

## 8 Capacity Tables

### 8.1 Cooling Capacity Tables

Table2-8.1:8HP cooling capacity

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		22/15		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC KW	PI KW	TC KW	PI KW	TC KW	PI KW	TC KW	PI KW	TC KW	PI KW	TC KW	PI KW	TC KW	PI KW
130%	-15	22.68	2.53	25.20	2.78	30.24	3.25	32.76	3.49	35.28	3.74	40.32	4.20	41.51	4.96
	-10	22.68	2.53	25.20	2.78	30.24	3.25	32.76	3.50	35.28	3.74	40.32	4.28	41.24	4.98
	-5	22.68	2.54	25.20	2.79	30.24	3.26	32.76	3.50	35.28	3.85	40.32	4.33	41.07	5.58
	-2	22.68	2.54	25.20	2.79	30.24	3.26	32.76	3.60	35.28	3.85	40.32	4.43	40.91	5.74
	0	22.68	2.55	25.20	2.79	30.24	3.35	32.76	3.63	35.28	3.87	40.32	4.55	40.73	5.84
	2	22.68	2.55	25.20	2.81	30.24	3.37	32.76	3.65	35.28	3.99	40.32	4.61	40.44	6.05
	4	22.68	2.56	25.20	2.81	30.24	3.43	32.76	3.71	35.28	4.04	40.32	4.77	40.31	6.22
	6	22.68	2.56	25.20	2.85	30.24	3.48	32.76	3.82	35.28	4.18	39.21	4.99	39.95	6.52
	8	22.68	2.58	25.20	2.88	30.24	3.56	32.76	3.96	35.28	4.38	38.74	5.25	39.45	6.80
	10	22.68	2.64	25.20	3.01	30.24	3.74	32.76	4.18	35.28	4.61	38.25	5.57	39.06	7.27
	12	22.68	2.78	25.20	3.16	30.24	3.99	32.76	4.48	35.28	4.98	37.78	6.02	38.49	7.88
	14	22.68	2.97	25.20	3.39	30.24	4.35	32.76	4.88	35.28	5.48	37.35	6.44	38.07	8.54
	17	22.68	3.45	25.20	4.00	30.24	5.09	32.76	5.55	35.28	6.04	36.58	7.25	37.36	9.59
	20	22.68	4.31	25.20	4.69	30.24	5.59	32.76	6.11	34.28	6.68	35.88	8.14	36.53	10.70
	22	22.68	4.57	25.20	4.98	30.24	5.97	32.76	6.53	33.82	7.13	35.44	8.78	36.07	11.53
	25	22.68	4.99	25.20	5.47	30.24	6.57	32.76	7.20	33.11	7.89	34.64	9.83	35.37	12.87
	27	22.68	5.29	25.20	5.81	30.24	7.01	31.88	7.69	32.63	8.44	34.13	10.58	34.66	13.84
	29	22.68	5.62	25.20	6.18	30.24	7.46	31.39	8.19	32.08	9.09	33.63	11.43	34.20	14.29
	31	22.68	5.97	25.20	6.58	30.24	7.96	30.87	8.75	31.58	9.78	33.11	12.29	33.59	14.74
	33	22.68	6.33	25.20	6.99	30.24	8.49	30.36	9.33	31.08	10.53	32.49	13.24	33.11	15.21
	35	22.68	6.73	25.20	7.44	29.17	9.05	29.85	10.06	30.55	11.37	32.09	14.25	32.55	15.61
	37	22.68	7.14	25.20	7.90	28.65	9.65	29.34	10.83	30.02	12.24	31.36	15.35	32.10	15.61
	39	22.68	7.59	25.20	8.42	28.13	10.28	28.82	11.67	29.45	13.17	31.02	15.58	31.31	15.63
	41	22.68	8.06	25.20	8.95	27.35	11.06	27.59	12.57	27.90	14.17	28.27	15.58	28.55	15.58
	43	22.68	8.57	25.20	9.54	25.17	11.91	25.58	13.54	25.78	15.32	25.82	14.98	26.01	14.28
46	21.06	9.41	21.22	10.48	21.65	13.33	21.71	13.10	22.10	12.75	22.24	12.05	22.29	11.49	
48	18.64	10.01	18.75	11.17	19.34	11.43	19.34	11.18	19.27	10.87	19.94	10.41	19.81	10.07	
50	16.19	10.66	16.33	10.41	16.48	9.96	16.74	9.63	16.99	9.47	17.31	8.96	17.06	8.79	
52	13.71	9.11	13.52	8.87	14.19	8.38	13.87	8.39	14.33	8.22	14.44	7.65	14.05	7.66	
55	9.05	7.09	9.41	6.75	9.39	6.44	9.73	6.43	10.09	6.41	9.95	5.97	10.35	5.93	
120%	-15	20.94	2.39	23.26	2.61	27.91	3.08	30.24	3.29	32.57	3.52	37.22	3.93	40.18	4.51
	-10	20.94	2.39	23.26	2.62	27.91	3.08	30.24	3.29	32.57	3.53	37.22	4.05	39.67	4.72
	-5	20.94	2.40	23.26	2.63	27.91	3.08	30.24	3.30	32.57	3.54	37.22	4.05	39.54	4.78
	-2	20.94	2.40	23.26	2.63	27.91	3.08	30.24	3.33	32.57	3.63	37.22	4.14	39.45	4.98
	0	20.94	2.41	23.26	2.63	27.91	3.09	30.24	3.34	32.57	3.64	37.22	4.26	39.40	5.20
	2	20.94	2.41	23.26	2.64	27.91	3.11	30.24	3.42	32.57	3.69	37.22	4.27	39.23	5.32
	4	20.94	2.41	23.26	2.65	27.91	3.13	30.24	3.50	32.57	3.76	37.22	4.35	39.15	5.42
	6	20.94	2.43	23.26	2.68	27.91	3.24	30.24	3.56	32.57	3.83	37.22	4.53	38.72	5.65
	8	20.94	2.44	23.26	2.73	27.91	3.25	30.24	3.62	32.57	3.99	37.22	4.72	38.13	5.98
	10	20.94	2.46	23.26	2.73	27.91	3.41	30.24	3.80	32.57	4.20	37.22	5.02	37.97	6.38
	12	20.94	2.55	23.26	2.91	27.91	3.64	30.24	4.05	32.57	4.50	37.22	5.41	37.55	6.87
	14	20.94	2.72	23.26	3.12	27.91	3.94	30.24	4.41	32.57	4.91	36.14	5.88	36.80	7.45
	17	20.94	3.16	23.26	3.60	27.91	4.73	30.24	5.13	32.57	5.56	35.43	6.52	36.29	8.37
	20	20.94	4.06	23.26	4.41	27.91	5.19	30.24	5.65	32.57	6.13	34.74	7.21	35.55	9.36
	22	20.94	4.31	23.26	4.68	27.91	5.54	30.24	6.04	32.57	6.56	34.29	7.74	35.09	10.09
	25	20.94	4.70	23.26	5.13	27.91	6.10	30.24	6.64	32.57	7.23	33.50	8.67	34.12	11.32
	27	20.94	4.99	23.26	5.44	27.91	6.49	30.24	7.09	31.59	7.72	33.03	9.35	33.67	12.14
	29	20.94	5.29	23.26	5.79	27.91	6.91	30.24	7.55	31.09	8.24	32.56	10.10	33.17	13.02
	31	20.94	5.60	23.26	6.15	27.91	7.37	30.24	8.05	30.63	8.81	32.07	10.89	32.68	14.01
	33	20.94	5.95	23.26	6.53	27.91	7.85	29.49	8.59	30.14	9.41	31.54	11.72	32.03	15.09
	35	20.94	6.31	23.26	6.94	27.91	8.37	28.95	9.16	29.62	10.15	30.98	12.58	31.87	15.56
	37	20.94	6.70	23.26	7.38	27.91	8.91	28.46	9.78	29.10	10.92	30.50	13.55	30.95	15.84
	39	20.94	7.11	23.26	7.84	27.27	9.50	27.93	10.46	28.60	11.75	30.01	14.61	30.38	15.83
	41	20.94	7.55	23.26	8.34	26.79	10.13	27.01	11.27	27.24	12.68	28.06	15.80	27.80	15.83
	43	20.94	8.03	23.26	8.88	24.66	10.80	24.86	12.12	25.06	13.66	25.51	15.32	25.56	14.87
46	20.94	8.79	20.85	9.75	21.21	11.99	21.29	13.59	21.66	12.93	21.80	12.10	22.05	11.86	
48	18.29	9.35	18.45	10.38	19.00	11.61	19.01	11.33	18.97	11.12	19.20	10.58	19.29	10.24	
50	15.79	9.95	15.92	10.54	16.28	10.03	16.55	9.79	16.33	9.65	16.86	9.15	16.63	8.98	
52	13.18	9.19	13.41	8.95	13.85	8.56	13.55	8.39	13.98	8.03	14.09	7.84	14.58	7.66	
55	9.53	7.25	9.23	7.09	9.20	6.92	9.54	6.43	9.88	6.42	9.75	5.98	10.13	5.94	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.1:8HP cooling capacity (continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		22/15		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC KW	PI KW	TC KW	PI KW	TC KW	PI KW	TC KW	PI KW	TC KW	PI KW	TC KW	PI KW	TC KW	PI KW
110%	-15	19.19	2.24	21.32	2.46	25.59	2.87	27.72	3.09	29.85	3.30	34.12	3.69	38.38	4.16
	-10	19.19	2.24	21.32	2.47	25.59	2.88	27.72	3.09	29.85	3.30	34.12	3.72	38.38	4.20
	-5	19.19	2.25	21.32	2.47	25.59	2.88	27.72	3.10	29.85	3.30	34.12	3.73	38.38	4.42
	-2	19.19	2.26	21.32	2.47	25.59	2.88	27.72	3.10	29.85	3.33	34.12	3.80	38.38	4.50
	0	19.19	2.26	21.32	2.48	25.59	2.94	27.72	3.12	29.85	3.34	34.12	3.84	38.38	4.52
	2	19.19	2.26	21.32	2.48	25.59	2.95	27.72	3.14	29.85	3.39	34.12	3.89	38.38	4.71
	4	19.19	2.27	21.32	2.50	25.59	2.96	27.72	3.20	29.85	3.48	34.12	3.98	38.38	4.87
	6	19.19	2.27	21.32	2.50	25.59	2.99	27.72	3.23	29.85	3.58	34.12	4.08	37.33	4.98
	8	19.19	2.27	21.32	2.51	25.59	3.01	27.72	3.24	29.85	3.61	34.12	4.25	36.95	5.24
	10	19.19	2.27	21.32	2.52	25.59	3.11	27.72	3.43	29.85	3.77	34.12	4.51	36.51	5.57
	12	19.19	2.28	21.32	2.61	25.59	3.27	27.72	3.64	29.85	4.01	34.12	4.89	36.04	6.03
	14	19.19	2.46	21.32	2.82	25.59	3.53	27.72	3.94	29.85	4.38	34.12	5.34	35.66	6.46
	17	19.19	2.83	21.32	3.22	25.59	4.19	27.72	4.74	29.85	5.10	34.12	5.90	35.02	7.24
	20	19.19	3.59	21.32	4.13	25.59	4.82	27.72	5.21	29.85	5.62	34.12	6.53	34.33	8.13
	22	19.19	4.05	21.32	4.39	25.59	5.13	27.72	5.55	29.85	6.00	33.10	6.98	33.88	8.77
	25	19.19	4.42	21.32	4.79	25.59	5.63	27.72	6.10	29.85	6.61	32.44	7.71	33.17	9.80
	27	19.19	4.68	21.32	5.09	25.59	5.99	27.72	6.50	29.85	7.05	31.92	8.24	32.72	10.57
	29	19.19	4.95	21.32	5.39	25.59	6.38	27.72	6.94	29.85	7.52	31.45	8.83	32.23	11.35
	31	19.19	5.26	21.32	5.72	25.59	6.79	27.72	7.38	29.85	8.03	30.99	9.52	31.69	12.21
	33	19.19	5.57	21.32	6.08	25.59	7.22	27.72	7.87	29.17	8.56	30.46	10.26	31.13	13.12
	35	19.19	5.90	21.32	6.45	25.59	7.69	27.72	8.39	28.69	9.14	30.00	11.04	30.83	14.15
	37	19.19	6.25	21.32	6.85	25.59	8.19	27.72	8.94	28.14	9.74	29.49	11.91	30.07	15.20
	39	19.19	6.63	21.32	7.27	25.59	8.72	27.04	9.52	27.66	10.42	28.97	12.83	29.76	16.41
	41	19.19	7.04	21.32	7.73	25.59	9.28	26.45	10.17	26.67	11.20	27.20	13.84	27.51	16.07
	43	19.19	7.47	21.32	8.22	24.16	9.89	24.35	10.83	24.54	12.07	24.94	14.95	25.19	15.23
46	19.19	8.17	20.45	9.01	20.82	10.89	20.97	12.09	21.05	13.52	21.33	12.48	21.57	12.24	
48	17.95	8.68	18.10	9.60	18.47	11.62	18.65	11.53	18.64	11.26	19.07	10.73	19.21	10.40	
50	15.56	9.24	15.68	10.21	16.06	10.19	16.32	9.96	16.14	9.62	16.42	9.32	16.91	9.17	
52	13.07	9.28	13.30	9.12	13.28	8.72	13.93	8.57	13.63	8.40	13.74	7.66	14.21	7.65	
55	9.33	7.25	9.04	6.92	9.01	6.75	9.34	6.44	9.67	6.42	9.54	5.99	9.91	5.95	
100%	-15	17.45	2.02	19.38	2.27	23.26	2.68	25.20	2.87	27.14	3.07	31.02	3.46	34.89	3.86
	-10	17.45	2.09	19.38	2.29	23.26	2.69	25.20	2.87	27.14	3.08	31.02	3.46	34.89	3.86
	-5	17.45	2.10	19.38	2.30	23.26	2.69	25.20	2.88	27.14	3.10	31.02	3.46	34.89	3.92
	-2	17.45	2.10	19.38	2.30	23.26	2.69	25.20	2.88	27.14	3.10	31.02	3.48	34.89	4.04
	0	17.45	2.11	19.38	2.30	23.26	2.70	25.20	2.89	27.14	3.10	31.02	3.54	34.89	4.10
	2	17.45	2.11	19.38	2.31	23.26	2.72	25.20	2.90	27.14	3.11	31.02	3.56	34.89	4.11
	4	17.45	2.11	19.38	2.31	23.26	2.73	25.20	2.91	27.14	3.21	31.02	3.63	34.89	4.31
	6	17.45	2.12	19.38	2.34	23.26	2.76	25.20	3.01	27.14	3.23	31.02	3.77	34.89	4.41
	8	17.45	2.13	19.38	2.34	23.26	2.76	25.20	3.02	27.14	3.34	31.02	3.80	34.89	4.63
	10	17.45	2.14	19.38	2.35	23.26	2.81	25.20	3.05	27.14	3.35	31.02	4.01	34.89	4.94
	12	17.45	2.14	19.38	2.35	23.26	2.94	25.20	3.23	27.14	3.55	31.02	4.25	34.89	5.29
	14	17.45	2.18	19.38	2.49	23.26	3.13	25.20	3.49	27.14	3.86	31.02	4.69	34.89	5.76
	17	17.45	2.40	19.38	2.89	23.26	3.69	25.20	4.15	27.14	4.65	31.02	5.33	34.89	6.37
	20	17.45	3.07	19.38	3.74	23.26	4.44	25.20	4.77	27.14	5.12	31.02	5.87	34.89	7.03
	22	17.45	3.74	19.38	4.08	23.26	4.72	25.20	5.09	27.14	5.46	31.02	6.29	34.89	7.52
	25	17.45	4.14	19.38	4.46	23.26	5.18	25.20	5.58	27.14	6.01	31.02	6.92	34.89	8.42
	27	17.45	4.38	19.38	4.73	23.26	5.50	25.20	5.94	27.14	6.41	31.02	7.40	34.89	9.05
	29	17.45	4.63	19.38	5.01	23.26	5.85	25.20	6.33	27.14	6.83	31.02	7.90	34.89	9.78
	31	17.45	4.90	19.38	5.31	23.26	6.22	25.20	6.73	27.14	7.26	31.02	8.43	34.89	10.52
	33	17.45	5.19	19.38	5.63	23.26	6.62	25.20	7.16	27.14	7.75	31.02	9.01	34.89	11.33
	35	17.45	5.49	19.38	5.97	23.26	7.04	25.20	7.63	27.14	8.26	31.02	9.61	34.89	12.18
	37	17.45	5.82	19.38	6.33	23.26	7.49	25.20	8.13	27.14	8.80	31.02	10.35	34.89	13.11
	39	17.45	6.16	19.38	6.73	23.26	7.97	25.20	8.66	27.14	9.39	31.02	11.12	34.89	14.13
	41	17.45	6.53	19.38	7.14	23.26	8.47	25.20	9.22	27.14	10.01	31.02	12.02	34.89	15.19
	43	17.45	6.93	19.38	7.57	23.26	9.02	25.20	9.81	27.14	10.68	31.02	12.95	33.94	15.78
46	17.45	7.57	19.38	8.29	23.26	9.91	24.31	10.80	27.14	11.85	29.10	12.84	29.33	12.50	
48	17.45	8.03	19.38	8.82	22.50	10.56	23.18	11.53	25.52	11.49	25.87	10.97	26.15	10.74	
50	17.45	8.53	19.38	9.38	21.82	10.35	21.95	10.11	22.12	9.88	22.31	9.30	22.95	9.34	
52	17.45	9.07	18.04	9.17	18.29	8.70	18.51	8.55	19.03	8.58	19.16	8.04	19.40	7.86	
55	12.31	7.08	12.45	6.92	13.00	6.75	12.72	6.44	13.15	6.43	14.07	6.40	13.24	5.97	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.1:8HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		22/15		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW
90%	-15	15.70	1.62	17.45	1.97	20.94	2.43	22.68	2.61	24.42	2.79	27.91	3.14	31.40	3.49
	-10	15.70	1.81	17.45	2.03	20.94	2.43	22.68	2.61	24.42	2.79	27.91	3.14	31.40	3.49
	-5	15.70	1.89	17.45	2.08	20.94	2.44	22.68	2.61	24.42	2.80	27.91	3.14	31.40	3.52
	-2	15.70	1.90	17.45	2.08	20.94	2.46	22.68	2.62	24.42	2.81	27.91	3.15	31.40	3.54
	0	15.70	1.90	17.45	2.09	20.94	2.47	22.68	2.65	24.42	2.83	27.91	3.17	31.40	3.54
	2	15.70	1.90	17.45	2.10	20.94	2.47	22.68	2.66	24.42	2.83	27.91	3.22	31.40	3.60
	4	15.70	1.91	17.45	2.11	20.94	2.49	22.68	2.67	24.42	2.88	27.91	3.25	31.40	3.74
	6	15.70	1.91	17.45	2.11	20.94	2.50	22.68	2.67	24.42	2.91	27.91	3.30	31.40	3.76
	8	15.70	1.91	17.45	2.11	20.94	2.50	22.68	2.68	24.42	2.93	27.91	3.38	31.40	3.89
	10	15.70	1.91	17.45	2.11	20.94	2.52	22.68	2.75	24.42	2.95	27.91	3.46	31.40	4.10
	12	15.70	1.92	17.45	2.12	20.94	2.53	22.68	2.79	24.42	3.06	27.91	3.67	31.40	4.40
	14	15.70	1.93	17.45	2.13	20.94	2.65	22.68	3.01	24.42	3.32	27.91	3.97	31.40	4.82
	17	15.70	1.99	17.45	2.25	20.94	3.08	22.68	3.45	24.42	3.99	27.91	4.67	31.40	5.47
	20	15.70	2.40	17.45	2.93	20.94	3.99	22.68	4.24	24.42	4.53	27.91	5.11	31.40	6.03
	22	15.70	3.23	17.45	3.63	20.94	4.24	22.68	4.51	24.42	4.83	27.91	5.46	31.40	6.45
	25	15.70	3.74	17.45	4.05	20.94	4.63	22.68	4.96	24.42	5.30	27.91	6.02	31.40	7.11
	27	15.70	4.04	17.45	4.30	20.94	4.92	22.68	5.28	24.42	5.64	27.91	6.42	31.40	7.60
	29	15.70	4.30	17.45	4.55	20.94	5.22	22.68	5.61	24.42	6.01	27.91	6.85	31.40	8.11
	31	15.70	4.55	17.45	4.82	20.94	5.56	22.68	5.96	24.42	6.39	27.91	7.31	31.40	8.67
	33	15.70	4.79	17.45	5.10	20.94	5.90	22.68	6.33	24.42	6.81	27.91	7.80	31.40	9.24
	35	15.70	5.03	17.45	5.40	20.94	6.27	22.68	6.74	24.42	7.25	27.91	8.32	31.40	9.93
	37	15.70	5.29	17.45	5.71	20.94	6.65	22.68	7.17	24.42	7.71	27.91	8.87	31.40	10.69
	39	15.70	5.59	17.45	6.06	20.94	7.08	22.68	7.62	24.42	8.22	27.91	9.46	31.40	11.50
	41	15.70	5.92	17.45	6.42	20.94	7.51	22.68	8.11	24.42	8.75	27.91	10.09	31.40	12.40
	43	15.70	6.27	17.45	6.81	20.94	7.99	22.68	8.64	24.42	9.31	27.91	10.77	31.40	13.39
46	15.70	6.84	17.45	7.45	20.94	8.77	22.68	9.49	24.42	10.25	27.91	11.95	29.10	12.86	
48	15.70	7.25	17.45	7.91	20.94	9.33	22.68	10.11	24.42	10.93	25.68	11.16	25.82	10.88	
50	15.70	7.69	17.45	8.40	20.94	9.94	21.83	10.29	22.01	10.06	22.29	9.55	22.47	9.30	
52	15.70	8.17	17.45	8.94	18.24	8.87	18.46	8.72	18.68	8.56	19.13	8.23	19.37	8.05	
55	12.44	7.24	12.59	7.08	13.14	6.93	12.92	6.58	12.97	6.44	13.87	6.41	13.03	6.00	
80%	-15	13.96	1.43	15.51	1.62	18.61	2.17	20.16	2.34	21.71	2.49	24.81	2.81	27.91	3.10
	-10	13.96	1.63	15.51	1.79	18.61	2.20	20.16	2.35	21.71	2.49	24.81	2.83	27.91	3.10
	-5	13.96	1.68	15.51	1.86	18.61	2.20	20.16	2.35	21.71	2.52	24.81	2.84	27.91	3.15
	-2	13.96	1.70	15.51	1.87	18.61	2.20	20.16	2.36	21.71	2.53	24.81	2.87	27.91	3.16
	0	13.96	1.71	15.51	1.88	18.61	2.22	20.16	2.36	21.71	2.53	24.81	2.89	27.91	3.16
	2	13.96	1.72	15.51	1.88	18.61	2.23	20.16	2.38	21.71	2.54	24.81	2.89	27.91	3.19
	4	13.96	1.72	15.51	1.90	18.61	2.23	20.16	2.41	21.71	2.54	24.81	2.90	27.91	3.22
	6	13.96	1.72	15.51	1.90	18.61	2.23	20.16	2.41	21.71	2.57	24.81	2.95	27.91	3.32
	8	13.96	1.73	15.51	1.90	18.61	2.24	20.16	2.43	21.71	2.61	24.81	3.00	27.91	3.38
	10	13.96	1.73	15.51	1.90	18.61	2.25	20.16	2.43	21.71	2.63	24.81	3.02	27.91	3.46
	12	13.96	1.74	15.51	1.90	18.61	2.27	20.16	2.45	21.71	2.67	24.81	3.19	27.91	3.69
	14	13.96	1.75	15.51	1.91	18.61	2.33	20.16	2.54	21.71	2.81	24.81	3.41	27.91	3.98
	17	13.96	1.78	15.51	1.94	18.61	2.60	20.16	2.96	21.71	3.32	24.81	4.11	27.91	4.69
	20	13.96	1.99	15.51	2.26	18.61	3.34	20.16	3.83	21.71	4.01	24.81	4.43	27.91	5.16
	22	13.96	2.38	15.51	2.91	18.61	3.74	20.16	4.02	21.71	4.26	24.81	4.73	27.91	5.52
	25	13.96	2.99	15.51	3.60	18.61	4.14	20.16	4.40	21.71	4.67	24.81	5.22	27.91	6.07
	27	13.96	3.45	15.51	3.91	18.61	4.40	20.16	4.67	21.71	4.95	24.81	5.56	27.91	6.48
	29	13.96	3.73	15.51	4.19	18.61	4.67	20.16	4.97	21.71	5.27	24.81	5.92	27.91	6.91
	31	13.96	4.00	15.51	4.45	18.61	4.95	20.16	5.26	21.71	5.61	24.81	6.31	27.91	7.37
	33	13.96	4.25	15.51	4.70	18.61	5.24	20.16	5.59	21.71	5.96	24.81	6.72	27.91	7.85
	35	13.96	4.62	15.51	4.95	18.61	5.56	20.16	5.93	21.71	6.34	24.81	7.16	27.91	8.37
	37	13.96	4.85	15.51	5.19	18.61	5.90	20.16	6.30	21.71	6.74	24.81	7.62	27.91	8.93
	39	13.96	5.10	15.51	5.45	18.61	6.26	20.16	6.71	21.71	7.16	24.81	8.13	27.91	9.53
	41	13.96	5.34	15.51	5.77	18.61	6.64	20.16	7.12	21.71	7.62	24.81	8.65	27.91	10.17
	43	13.96	5.73	15.51	6.10	18.61	7.05	20.16	7.57	21.71	8.11	24.81	9.23	27.91	10.84
46	13.96	6.17	15.51	6.66	18.61	7.73	20.16	8.30	21.71	8.90	24.81	10.16	27.91	12.09	
48	13.96	6.52	15.51	7.06	18.61	8.21	20.16	8.83	21.71	9.49	24.81	10.84	25.73	11.24	
50	13.96	6.92	15.51	7.49	18.61	8.73	20.16	9.41	21.71	10.10	22.16	9.81	22.32	9.55	
52	13.96	7.34	15.51	7.96	18.20	9.08	18.31	8.86	18.39	8.63	18.69	8.21	19.24	8.23	
55	12.35	7.30	12.53	7.16	12.61	6.75	13.02	6.75	13.11	6.58	13.20	6.29	14.05	6.41	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.1:8HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		22/15		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW
70%	-15	12.21	1.25	13.57	1.42	16.28	1.84	17.64	2.06	19.00	2.20	21.71	2.47	24.42	2.78
	-10	12.21	1.37	13.57	1.59	16.28	1.90	17.64	2.09	19.00	2.21	21.71	2.50	24.42	2.78
	-5	12.21	1.50	13.57	1.59	16.28	1.94	17.64	2.09	19.00	2.22	21.71	2.51	24.42	2.79
	-2	12.21	1.53	13.57	1.67	16.28	1.96	17.64	2.10	19.00	2.23	21.71	2.52	24.42	2.81
	0	12.21	1.53	13.57	1.68	16.28	1.96	17.64	2.11	19.00	2.24	21.71	2.53	24.42	2.84
	2	12.21	1.53	13.57	1.68	16.28	1.97	17.64	2.11	19.00	2.26	21.71	2.54	24.42	2.85
	4	12.21	1.53	13.57	1.69	16.28	1.97	17.64	2.12	19.00	2.26	21.71	2.57	24.42	2.85
	6	12.21	1.53	13.57	1.69	16.28	1.98	17.64	2.13	19.00	2.27	21.71	2.58	24.42	2.86
	8	12.21	1.53	13.57	1.70	16.28	1.98	17.64	2.14	19.00	2.29	21.71	2.59	24.42	2.92
	10	12.21	1.53	13.57	1.70	16.28	1.99	17.64	2.15	19.00	2.30	21.71	2.60	24.42	2.94
	12	12.21	1.54	13.57	1.71	16.28	1.99	17.64	2.16	19.00	2.32	21.71	2.69	24.42	3.10
	14	12.21	1.55	13.57	1.74	16.28	1.99	17.64	2.17	19.00	2.38	21.71	2.91	24.42	3.40
	17	12.21	1.56	13.57	1.74	16.28	2.00	17.64	2.37	19.00	2.81	21.71	3.46	24.42	3.95
	20	12.21	1.60	13.57	1.94	16.28	2.52	17.64	3.16	19.00	3.63	21.71	3.95	24.42	4.41
	22	12.21	1.69	13.57	2.06	16.28	3.15	17.64	3.40	19.00	3.65	21.71	4.09	24.42	4.70
	25	12.21	2.41	13.57	2.70	16.28	3.59	17.64	3.84	19.00	4.08	21.71	4.50	24.42	5.17
	27	12.21	2.83	13.57	3.16	16.28	3.91	17.64	4.13	19.00	4.34	21.71	4.80	24.42	5.50
	29	12.21	3.18	13.57	3.47	16.28	4.20	17.64	4.39	19.00	4.61	21.71	5.10	24.42	5.86
	31	12.21	3.48	13.57	3.75	16.28	4.46	17.64	4.65	19.00	4.90	21.71	5.43	24.42	6.25
	33	12.21	3.75	13.57	4.14	16.28	4.72	17.64	4.92	19.00	5.20	21.71	5.78	24.42	6.66
35	12.21	4.00	13.57	4.37	16.28	4.97	17.64	5.22	19.00	5.52	21.71	6.15	24.42	7.08	
37	12.21	4.23	13.57	4.61	16.28	5.23	17.64	5.53	19.00	5.87	21.71	6.54	24.42	7.54	
39	12.21	4.44	13.57	4.84	16.28	5.52	17.64	5.87	19.00	6.22	21.71	6.96	24.42	8.04	
41	12.21	4.67	13.57	5.09	16.28	5.85	17.64	6.23	19.00	6.62	21.71	7.41	24.42	8.56	
43	12.21	4.91	13.57	5.48	16.28	6.20	17.64	6.60	19.00	7.02	21.71	7.88	24.42	9.12	
46	12.21	5.52	13.57	6.01	16.28	6.78	17.64	7.23	19.00	7.70	21.71	8.66	24.42	10.04	
48	12.21	5.78	13.57	6.31	16.28	7.19	17.64	7.68	19.00	8.19	21.71	9.24	24.42	10.70	
50	12.21	6.30	13.57	6.65	16.28	7.64	17.64	8.17	19.00	8.70	21.71	9.83	22.17	9.89	
52	12.21	6.62	13.57	7.05	16.28	8.12	17.64	8.69	18.35	8.91	18.59	8.47	18.68	8.20	
55	12.21	7.36	12.37	7.22	12.64	6.92	12.72	6.76	13.13	6.76	13.29	6.44	13.34	6.29	
60%	-15	10.47	1.14	11.63	1.25	13.96	1.48	15.12	1.72	16.28	1.88	18.61	2.16	20.94	2.41
	-10	10.47	1.17	11.63	1.27	13.96	1.61	15.12	1.82	16.28	1.92	18.61	2.17	20.94	2.41
	-5	10.47	1.20	11.63	1.33	13.96	1.63	15.12	1.83	16.28	1.93	18.61	2.17	20.94	2.42
	-2	10.47	1.23	11.63	1.47	13.96	1.72	15.12	1.83	16.28	1.94	18.61	2.18	20.94	2.44
	0	10.47	1.34	11.63	1.47	13.96	1.72	15.12	1.83	16.28	1.97	18.61	2.22	20.94	2.47
	2	10.47	1.34	11.63	1.47	13.96	1.73	15.12	1.83	16.28	1.98	18.61	2.23	20.94	2.48
	4	10.47	1.34	11.63	1.47	13.96	1.73	15.12	1.84	16.28	1.99	18.61	2.24	20.94	2.49
	6	10.47	1.34	11.63	1.47	13.96	1.73	15.12	1.85	16.28	1.99	18.61	2.24	20.94	2.49
	8	10.47	1.35	11.63	1.48	13.96	1.74	15.12	1.85	16.28	1.99	18.61	2.25	20.94	2.50
	10	10.47	1.35	11.63	1.49	13.96	1.75	15.12	1.86	16.28	2.00	18.61	2.25	20.94	2.51
	12	10.47	1.36	11.63	1.49	13.96	1.75	15.12	1.87	16.28	2.01	18.61	2.28	20.94	2.54
	14	10.47	1.36	11.63	1.50	13.96	1.75	15.12	1.87	16.28	2.04	18.61	2.41	20.94	2.71
	17	10.47	1.36	11.63	1.52	13.96	1.76	15.12	1.88	16.28	2.10	18.61	2.72	20.94	3.19
	20	10.47	1.45	11.63	1.52	13.96	2.07	15.12	2.23	16.28	2.78	18.61	3.52	20.94	3.86
	22	10.47	1.54	11.63	1.62	13.96	2.39	15.12	2.92	16.28	3.15	18.61	3.55	20.94	3.98
	25	10.47	2.16	11.63	2.19	13.96	2.65	15.12	3.06	16.28	3.39	18.61	3.81	20.94	4.38
	27	10.47	2.50	11.63	2.57	13.96	3.04	15.12	3.45	16.28	3.75	18.61	4.11	20.94	4.66
	29	10.47	2.83	11.63	2.96	13.96	3.51	15.12	3.77	16.28	4.06	18.61	4.38	20.94	4.96
	31	10.47	3.14	11.63	3.29	13.96	3.80	15.12	4.21	16.28	4.35	18.61	4.64	20.94	5.28
	33	10.47	3.44	11.63	3.58	13.96	4.08	15.12	4.47	16.28	4.61	18.61	4.94	20.94	5.61
35	10.47	3.68	11.63	3.83	13.96	4.32	15.12	4.72	16.28	4.88	18.61	5.25	20.94	5.97	
37	10.47	3.92	11.63	4.07	13.96	4.57	15.12	4.98	16.28	5.13	18.61	5.58	20.94	6.35	
39	10.47	4.13	11.63	4.29	13.96	4.96	15.12	5.23	16.28	5.40	18.61	5.93	20.94	6.75	
41	10.47	4.34	11.63	4.51	13.96	5.19	15.12	5.49	16.28	5.70	18.61	6.30	20.94	7.18	
43	10.47	4.54	11.63	4.74	13.96	5.45	15.12	5.77	16.28	6.05	18.61	6.69	20.94	7.62	
46	10.47	4.87	11.63	5.10	13.96	6.00	15.12	6.26	16.28	6.62	18.61	7.34	20.94	8.36	
48	10.47	5.11	11.63	5.36	13.96	6.29	15.12	6.64	16.28	7.03	18.61	7.80	20.94	8.92	
50	10.47	5.82	11.63	6.08	13.96	6.64	15.12	7.04	16.28	7.47	18.61	8.30	20.94	9.50	
52	10.47	6.10	11.63	6.39	13.96	7.04	15.12	7.49	16.28	7.94	18.61	8.83	18.54	8.55	
55	10.47	6.56	11.63	6.97	12.55	7.08	12.65	6.92	12.73	6.76	13.24	6.58	13.31	6.44	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.1:8HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		22/15		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
KW		KW		KW		KW		KW		KW		KW		KW	
50%	-15	8.72	0.70	9.69	1.02	11.63	1.14	12.60	1.33	13.57	1.53	15.51	1.86	17.45	2.02
	-10	8.72	0.93	9.69	1.10	11.63	1.25	12.60	1.52	13.57	1.53	15.51	1.87	17.45	2.06
	-5	8.72	0.97	9.69	1.13	11.63	1.32	12.60	1.53	13.57	1.65	15.51	1.89	17.45	2.07
	-2	8.72	1.01	9.69	1.18	11.63	1.41	12.60	1.55	13.57	1.66	15.51	1.89	17.45	2.10
	0	8.72	1.10	9.69	1.26	11.63	1.47	12.60	1.57	13.57	1.67	15.51	1.89	17.45	2.10
	2	8.72	1.15	9.69	1.26	11.63	1.47	12.60	1.57	13.57	1.68	15.51	1.90	17.45	2.10
	4	8.72	1.15	9.69	1.26	11.63	1.47	12.60	1.57	13.57	1.69	15.51	1.90	17.45	2.11
	6	8.72	1.15	9.69	1.26	11.63	1.48	12.60	1.58	13.57	1.69	15.51	1.90	17.45	2.12
	8	8.72	1.15	9.69	1.27	11.63	1.48	12.60	1.59	13.57	1.69	15.51	1.91	17.45	2.14
	10	8.72	1.15	9.69	1.27	11.63	1.49	12.60	1.59	13.57	1.70	15.51	1.92	17.45	2.15
	12	8.72	1.16	9.69	1.28	11.63	1.50	12.60	1.61	13.57	1.72	15.51	1.92	17.45	2.16
	14	8.72	1.16	9.69	1.29	11.63	1.50	12.60	1.61	13.57	1.72	15.51	1.94	17.45	2.19
	17	8.72	1.18	9.69	1.31	11.63	1.53	12.60	1.62	13.57	1.73	15.51	2.01	17.45	2.45
	20	8.72	1.19	9.69	1.32	11.63	1.55	12.60	1.81	13.57	2.01	15.51	2.65	17.45	3.26
	22	8.72	1.46	9.69	1.47	11.63	1.72	12.60	2.04	13.57	2.21	15.51	2.81	17.45	3.33
	25	8.72	1.99	9.69	2.04	11.63	2.07	12.60	2.06	13.57	2.64	15.51	3.00	17.45	3.55
	27	8.72	2.27	9.69	2.35	11.63	2.43	12.60	2.50	13.57	2.69	15.51	3.23	17.45	3.89
	29	8.72	2.54	9.69	2.65	11.63	2.78	12.60	2.91	13.57	3.17	15.51	3.74	17.45	4.19
	31	8.72	2.79	9.69	2.93	11.63	3.13	12.60	3.27	13.57	3.49	15.51	4.05	17.45	4.47
	33	8.72	3.03	9.69	3.19	11.63	3.45	12.60	3.58	13.57	3.78	15.51	4.35	17.45	4.73
35	8.72	3.25	9.69	3.45	11.63	3.72	12.60	3.85	13.57	4.05	15.51	4.62	17.45	5.00	
37	8.72	3.48	9.69	3.70	11.63	3.97	12.60	4.10	13.57	4.42	15.51	4.89	17.45	5.28	
39	8.72	3.69	9.69	3.94	11.63	4.21	12.60	4.34	13.57	4.66	15.51	5.15	17.45	5.61	
41	8.72	3.91	9.69	4.16	11.63	4.43	12.60	4.58	13.57	4.91	15.51	5.42	17.45	5.96	
43	8.72	4.12	9.69	4.35	11.63	4.66	12.60	5.04	13.57	5.16	15.51	5.70	17.45	6.33	
46	8.72	4.46	9.69	4.66	11.63	5.01	12.60	5.39	13.57	5.82	15.51	6.16	17.45	6.93	
48	8.72	4.68	9.69	4.87	11.63	5.27	12.60	5.67	13.57	6.11	15.51	6.54	17.45	7.37	
50	8.72	5.11	9.69	5.59	11.63	5.99	12.60	6.20	13.57	6.41	15.51	6.95	17.45	7.83	
52	8.72	5.62	9.69	5.83	11.63	6.29	12.60	6.52	13.57	6.75	15.51	7.38	17.45	8.34	
55	8.72	5.99	9.69	6.24	11.63	6.80	12.60	7.19	12.63	7.01	12.85	6.67	13.09	6.58	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table2-8.2:10HP cooling capacity

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		22/15		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW
130%	-15	25.40	2.93	28.22	3.19	33.87	3.76	36.69	4.04	39.51	4.32	45.16	5.00	46.67	5.80
	-10	25.40	2.95	28.22	3.20	33.87	3.77	36.69	4.04	39.51	4.32	45.16	5.04	46.66	5.87
	-5	25.40	2.95	28.22	3.21	33.87	3.78	36.69	4.09	39.51	4.43	45.16	5.19	46.56	6.41
	-2	25.40	2.96	28.22	3.23	33.87	3.79	36.69	4.15	39.51	4.47	45.16	5.27	45.91	6.74
	0	25.40	2.96	28.22	3.23	33.87	3.87	36.69	4.17	39.51	4.59	45.16	5.36	45.84	6.90
	2	25.40	2.96	28.22	3.25	33.87	3.90	36.69	4.26	39.51	4.70	45.16	5.42	45.43	7.17
	4	25.40	2.96	28.22	3.26	33.87	4.03	36.69	4.35	39.51	4.77	45.16	5.53	44.99	7.45
	6	25.40	2.97	28.22	3.37	33.87	4.04	36.69	4.41	39.51	4.78	43.74	5.83	44.53	7.68
	8	25.40	3.09	28.22	3.52	33.87	4.17	36.69	4.50	39.51	4.98	43.26	6.10	44.05	8.16
	10	25.40	3.13	28.22	3.57	33.87	4.26	36.69	4.74	39.51	5.25	42.72	6.54	43.86	8.67
	12	25.40	3.17	28.22	3.58	33.87	4.53	36.69	5.08	39.51	5.67	42.20	7.13	43.34	9.39
	14	25.40	3.35	28.22	3.84	33.87	4.94	36.69	5.65	39.51	6.23	41.70	7.69	42.37	10.19
	17	25.40	3.96	28.22	4.60	33.87	5.84	36.69	6.38	39.51	6.96	40.93	8.66	41.51	11.45
	20	25.40	4.95	28.22	5.40	33.87	6.44	36.69	7.05	38.36	7.74	40.13	9.76	40.73	12.81
	22	25.40	5.25	28.22	5.74	33.87	6.87	36.69	7.52	37.83	8.34	39.44	10.50	40.71	13.83
	25	25.40	5.74	28.22	6.30	33.87	7.57	36.69	8.31	36.97	9.38	38.57	11.77	39.40	15.53
	27	25.40	6.10	28.22	6.70	33.87	8.07	35.62	8.93	36.39	10.09	37.84	12.67	38.81	16.12
	29	25.40	6.48	28.22	7.13	33.87	8.63	35.06	9.63	35.84	10.88	37.75	13.66	38.02	16.63
	31	25.40	6.87	28.22	7.58	33.87	9.20	34.47	10.38	35.28	11.71	36.70	14.69	37.94	17.16
	33	25.40	7.30	28.22	8.06	33.87	9.82	33.93	11.17	34.76	12.58	36.03	15.78	36.85	17.70
	35	25.40	7.74	28.22	8.57	32.60	10.58	33.31	12.01	34.07	13.53	35.85	17.07	36.24	18.26
	37	25.40	8.24	28.22	9.12	32.04	11.38	32.76	12.91	33.43	14.59	34.18	18.59	34.44	18.84
	39	25.40	8.76	28.22	9.72	30.70	12.26	30.99	13.90	31.34	15.69	31.84	19.26	31.97	19.41
	41	25.40	9.30	28.22	10.34	28.46	13.21	28.67	14.97	28.94	16.91	29.28	19.88	29.54	19.54
	43	25.40	9.90	25.66	11.03	26.35	14.19	26.35	16.17	26.62	18.33	26.97	17.34	27.14	16.93
46	21.81	10.88	22.07	12.17	22.46	15.93	22.52	15.23	22.56	14.74	23.05	14.03	23.49	13.66	
48	19.28	11.59	19.54	13.14	19.78	13.27	20.14	12.90	20.26	12.64	20.20	11.94	20.81	11.61	
50	16.57	12.35	16.90	11.91	17.28	11.46	17.30	11.12	17.05	10.96	17.30	10.46	17.87	9.87	
52	14.10	10.48	13.87	10.14	14.03	9.82	14.50	9.45	14.97	9.28	15.10	8.70	14.69	8.71	
55	9.44	8.23	9.83	7.72	9.80	7.34	10.17	7.33	9.63	7.32	10.40	6.74	10.81	6.70	
120%	-15	23.45	2.75	26.05	3.02	31.26	3.56	33.87	3.81	36.47	4.07	41.68	4.59	44.85	5.48
	-10	23.45	2.76	26.05	3.05	31.26	3.56	33.87	3.81	36.47	4.08	41.68	4.65	44.61	5.63
	-5	23.45	2.77	26.05	3.05	31.26	3.57	33.87	3.83	36.47	4.09	41.68	4.70	44.51	5.69
	-2	23.45	2.78	26.05	3.06	31.26	3.57	33.87	3.85	36.47	4.17	41.68	4.76	44.43	5.96
	0	23.45	2.79	26.05	3.06	31.26	3.60	33.87	3.92	36.47	4.22	41.68	4.91	44.33	6.03
	2	23.45	2.81	26.05	3.06	31.26	3.66	33.87	3.94	36.47	4.33	41.68	4.98	44.22	6.22
	4	23.45	2.82	26.05	3.06	31.26	3.67	33.87	4.08	36.47	4.42	41.68	5.03	43.97	6.40
	6	23.45	2.82	26.05	3.12	31.26	3.85	33.87	4.10	36.47	4.49	41.68	5.14	43.05	6.67
	8	23.45	2.86	26.05	3.14	31.26	3.86	33.87	4.26	36.47	4.54	41.68	5.38	42.99	7.11
	10	23.45	2.87	26.05	3.18	31.26	4.02	33.87	4.28	36.47	4.74	41.68	5.71	42.44	7.54
	12	23.45	2.87	26.05	3.23	31.26	4.10	33.87	4.57	36.47	5.08	41.68	6.19	41.52	8.16
	14	23.45	3.05	26.05	3.48	31.26	4.44	33.87	5.02	36.47	5.62	40.30	6.76	41.04	8.82
	17	23.45	3.54	26.05	4.12	31.26	5.43	33.87	5.88	36.47	6.38	39.62	7.59	40.50	9.93
	20	23.45	4.67	26.05	5.06	31.26	5.97	33.87	6.49	36.47	7.06	38.77	8.56	39.95	11.14
	22	23.45	4.95	26.05	5.37	31.26	6.36	33.87	6.93	36.47	7.54	38.26	9.23	38.93	12.01
	25	23.45	5.40	26.05	5.89	31.26	6.99	33.87	7.63	36.47	8.32	37.56	10.36	38.60	13.41
	27	23.45	5.73	26.05	6.25	31.26	7.46	33.87	8.13	35.27	8.95	36.98	11.14	37.47	14.44
	29	23.45	6.07	26.05	6.64	31.26	7.96	33.87	8.69	34.73	9.66	36.32	12.02	37.46	15.56
	31	23.45	6.45	26.05	7.07	31.26	8.48	33.87	9.29	34.22	10.40	35.93	12.95	36.46	16.84
	33	23.45	6.84	26.05	7.51	31.26	9.04	32.95	9.97	33.69	11.21	35.10	13.91	35.87	17.57
	35	23.45	7.26	26.05	7.98	31.26	9.64	32.33	10.70	33.09	12.05	34.43	14.95	35.16	18.13
	37	23.45	7.70	26.05	8.48	31.26	10.27	31.81	11.53	32.47	12.99	33.40	16.10	33.44	18.68
	39	23.45	8.18	26.05	9.04	30.07	11.01	30.33	12.42	30.61	13.95	30.97	17.39	31.62	19.31
	41	23.45	8.69	26.05	9.61	27.86	11.86	28.14	13.39	28.32	15.06	28.75	19.01	28.85	19.94
	43	23.45	9.23	25.16	10.23	25.58	12.77	25.82	14.44	25.96	16.24	26.38	17.77	26.39	17.17
46	21.42	10.13	21.61	11.24	21.88	14.30	22.10	15.52	22.15	15.05	22.62	14.07	22.87	13.85	
48	18.93	10.78	19.04	11.98	19.46	13.49	19.82	13.08	19.74	12.70	20.41	12.12	20.29	11.78	
50	16.37	11.48	16.71	12.08	16.64	11.44	16.88	11.30	17.39	10.95	17.70	10.23	17.44	10.07	
52	13.55	10.52	13.80	10.22	14.49	10.00	14.17	9.45	14.63	9.46	14.75	8.91	14.35	8.70	
55	9.27	8.24	9.64	7.90	9.61	7.35	9.97	7.34	10.33	7.32	10.19	6.75	10.60	6.71	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.2:10HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		22/15		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW
110%	-15	21.49	2.58	23.88	2.84	28.66	3.33	31.04	3.58	33.43	3.81	38.21	4.29	42.98	4.93
	-10	21.49	2.59	23.88	2.86	28.66	3.34	31.04	3.59	33.43	3.84	38.21	4.30	42.98	5.12
	-5	21.49	2.59	23.88	2.86	28.66	3.34	31.04	3.60	33.43	3.85	38.21	4.35	42.98	5.20
	-2	21.49	2.60	23.88	2.87	28.66	3.35	31.04	3.60	33.43	3.86	38.21	4.47	42.98	5.20
	0	21.49	2.61	23.88	2.87	28.66	3.35	31.04	3.60	33.43	3.93	38.21	4.49	42.98	5.20
	2	21.49	2.62	23.88	2.90	28.66	3.36	31.04	3.68	33.43	3.98	38.21	4.61	42.98	5.36
	4	21.49	2.62	23.88	2.90	28.66	3.36	31.04	3.69	33.43	4.06	38.21	4.67	42.98	5.53
	6	21.49	2.66	23.88	2.91	28.66	3.52	31.04	3.88	33.43	4.09	38.21	4.77	41.72	5.74
	8	21.49	2.66	23.88	2.92	28.66	3.59	31.04	3.91	33.43	4.25	38.21	4.81	41.34	6.08
	10	21.49	2.67	23.88	2.95	28.66	3.67	31.04	4.00	33.43	4.25	38.21	5.10	40.81	6.47
	12	21.49	2.72	23.88	2.99	28.66	3.70	31.04	4.08	33.43	4.53	38.21	5.47	40.53	6.99
	14	21.49	2.76	23.88	3.11	28.66	3.95	31.04	4.49	33.43	4.98	38.21	6.00	39.92	7.60
	17	21.49	3.16	23.88	3.66	28.66	4.80	31.04	5.40	33.43	5.82	38.21	6.73	39.27	8.56
	20	21.49	4.11	23.88	4.72	28.66	5.50	31.04	5.95	33.43	6.43	38.21	7.46	38.53	9.58
	22	21.49	4.64	23.88	5.01	28.66	5.86	31.04	6.34	33.43	6.87	37.00	8.02	37.76	10.33
	25	21.49	5.06	23.88	5.48	28.66	6.44	31.04	6.99	33.43	7.57	36.19	9.00	37.01	11.58
	27	21.49	5.35	23.88	5.82	28.66	6.85	31.04	7.45	33.43	8.08	35.72	9.72	36.67	12.44
	29	21.49	5.68	23.88	6.18	28.66	7.30	31.04	7.95	33.43	8.63	35.11	10.49	35.68	13.39
	31	21.49	6.02	23.88	6.56	28.66	7.79	31.04	8.47	33.43	9.21	34.58	11.27	35.57	14.43
	33	21.49	6.38	23.88	6.96	28.66	8.28	31.04	9.04	32.57	9.87	34.04	12.12	34.62	15.50
	35	21.49	6.77	23.88	7.40	28.66	8.82	31.04	9.64	32.04	10.63	33.53	13.07	34.49	16.68
	37	21.49	7.17	23.88	7.86	28.66	9.40	31.04	10.27	31.45	11.43	32.67	14.07	33.00	18.23
	39	21.49	7.62	23.88	8.35	28.66	10.02	29.69	11.00	29.94	12.29	30.60	15.19	30.88	19.16
	41	21.49	8.08	23.88	8.88	27.32	10.68	27.53	11.84	27.80	13.24	28.18	16.36	28.57	19.78
	43	21.49	8.58	23.88	9.44	25.08	11.38	25.32	12.78	25.46	14.26	25.91	17.70	26.10	17.60
46	21.00	9.39	21.17	10.37	21.59	12.69	21.67	14.30	21.87	15.39	22.35	14.36	22.23	14.01	
48	18.57	9.99	18.72	11.04	19.12	13.71	19.11	13.36	19.42	13.00	19.65	12.28	19.75	11.94	
50	16.15	10.62	16.29	11.76	16.66	11.60	16.46	11.27	16.72	11.13	17.24	10.41	16.99	10.25	
52	13.47	10.63	13.70	10.40	14.15	9.80	13.83	9.64	14.28	9.66	14.39	9.10	14.89	8.70	
55	9.09	8.06	9.45	7.89	9.43	7.72	9.77	7.34	10.12	7.33	9.99	6.76	10.38	6.72	
100%	-15	19.38	2.43	21.54	2.65	25.85	3.10	28.00	3.32	30.15	3.56	34.46	3.99	38.77	4.46
	-10	19.38	2.43	21.54	2.66	25.85	3.10	28.00	3.32	30.15	3.56	34.46	3.99	38.77	4.48
	-5	19.38	2.43	21.54	2.67	25.85	3.12	28.00	3.33	30.15	3.59	34.46	4.03	38.77	4.55
	-2	19.38	2.44	21.54	2.67	25.85	3.13	28.00	3.35	30.15	3.59	34.46	4.05	38.77	4.58
	0	19.38	2.44	21.54	2.68	25.85	3.13	28.00	3.36	30.15	3.61	34.46	4.13	38.77	4.75
	2	19.38	2.45	21.54	2.70	25.85	3.14	28.00	3.38	30.15	3.69	34.46	4.20	38.77	4.80
	4	19.38	2.46	21.54	2.72	25.85	3.15	28.00	3.48	30.15	3.71	34.46	4.29	38.77	4.95
	6	19.38	2.46	21.54	2.73	25.85	3.16	28.00	3.49	30.15	3.84	34.46	4.37	38.77	4.96
	8	19.38	2.47	21.54	2.74	25.85	3.28	28.00	3.50	30.15	3.84	34.46	4.43	38.77	5.18
	10	19.38	2.47	21.54	2.75	25.85	3.29	28.00	3.62	30.15	3.99	34.46	4.59	38.77	5.50
	12	19.38	2.49	21.54	2.75	25.85	3.31	28.00	3.68	30.15	4.04	34.46	4.90	38.77	5.94
	14	19.38	2.49	21.54	2.79	25.85	3.53	28.00	4.00	30.15	4.45	34.46	5.44	38.77	6.54
	17	19.38	2.77	21.54	3.24	25.85	4.23	28.00	4.77	30.15	5.34	34.46	6.05	38.77	7.24
	20	19.38	3.59	21.54	4.26	25.85	5.05	28.00	5.43	30.15	5.83	34.46	6.68	38.77	8.15
	22	19.38	4.34	21.54	4.66	25.85	5.38	28.00	5.78	30.15	6.22	34.46	7.14	38.77	8.79
	25	19.38	4.72	21.54	5.09	25.85	5.91	28.00	6.36	30.15	6.84	34.46	7.90	38.77	9.88
	27	19.38	5.00	21.54	5.40	25.85	6.28	28.00	6.77	30.15	7.31	34.46	8.45	38.77	10.64
	29	19.38	5.29	21.54	5.72	25.85	6.68	28.00	7.22	30.15	7.79	34.46	9.03	38.77	11.49
	31	19.38	5.60	21.54	6.07	25.85	7.10	28.00	7.69	30.15	8.31	34.46	9.70	38.77	12.31
	33	19.38	5.93	21.54	6.43	25.85	7.56	28.00	8.19	30.15	8.86	34.46	10.48	38.77	13.28
	35	19.38	6.28	21.54	6.83	25.85	8.04	28.00	9.06	30.15	9.44	34.46	11.29	38.77	14.26
	37	19.38	6.65	21.54	7.24	25.85	8.56	28.00	9.65	30.15	10.08	34.46	12.15	38.77	15.36
	39	19.38	7.05	21.54	7.70	25.85	9.12	28.00	10.28	30.15	10.76	34.46	13.08	38.77	16.60
	41	19.38	7.47	21.54	8.17	25.85	9.70	28.00	10.97	30.15	11.57	34.46	14.15	38.77	17.93
	43	19.38	7.93	21.54	8.68	25.85	10.32	27.80	11.69	30.15	12.44	34.46	15.23	37.30	18.10
46	19.38	8.67	21.54	9.51	25.85	11.38	26.00	13.01	30.15	13.97	31.97	14.76	32.18	14.27	
48	19.38	9.21	21.54	10.12	24.70	12.12	25.00	11.98	28.06	13.25	28.53	12.42	28.68	12.10	
50	19.38	9.79	21.54	10.77	24.08	11.78	22.07	10.39	24.34	11.20	24.66	10.60	25.06	10.43	
52	19.38	10.42	19.99	10.49	20.29	9.97	18.44	8.80	20.83	9.64	20.69	8.88	21.35	8.91	
55	13.86	8.23	14.04	8.07	14.04	7.54	13.02	6.93	14.66	7.33	14.50	6.77	15.04	6.74	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.2:10HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		22/15		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW
90%	-15	17.45	2.18	19.38	2.40	23.26	2.80	25.20	3.01	27.14	3.22	31.02	3.63	34.89	4.04
	-10	17.45	2.18	19.38	2.40	23.26	2.81	25.20	3.02	27.14	3.23	31.02	3.65	34.89	4.05
	-5	17.45	2.19	19.38	2.40	23.26	2.81	25.20	3.04	27.14	3.24	31.02	3.68	34.89	4.10
	-2	17.45	2.20	19.38	2.41	23.26	2.83	25.20	3.05	27.14	3.26	31.02	3.71	34.89	4.10
	0	17.45	2.20	19.38	2.41	23.26	2.83	25.20	3.06	27.14	3.27	31.02	3.73	34.89	4.18
	2	17.45	2.21	19.38	2.42	23.26	2.85	25.20	3.06	27.14	3.33	31.02	3.78	34.89	4.22
	4	17.45	2.22	19.38	2.43	23.26	2.86	25.20	3.06	27.14	3.34	31.02	3.85	34.89	4.24
	6	17.45	2.22	19.38	2.43	23.26	2.91	25.20	3.09	27.14	3.36	31.02	3.88	34.89	4.42
	8	17.45	2.22	19.38	2.44	23.26	2.92	25.20	3.21	27.14	3.45	31.02	3.90	34.89	4.42
	10	17.45	2.23	19.38	2.44	23.26	2.95	25.20	3.23	27.14	3.50	31.02	4.02	34.89	4.63
	12	17.45	2.23	19.38	2.48	23.26	2.97	25.20	3.26	27.14	3.56	31.02	4.28	34.89	4.96
	14	17.45	2.24	19.38	2.50	23.26	3.08	25.20	3.49	27.14	3.88	31.02	4.70	34.89	5.51
	17	17.45	2.40	19.38	2.68	23.26	3.66	25.20	4.10	27.14	4.60	31.02	5.38	34.89	6.16
	20	17.45	2.82	19.38	3.51	23.26	4.56	25.20	4.82	27.14	5.13	31.02	5.77	34.89	6.83
	22	17.45	3.82	19.38	4.23	23.26	4.81	25.20	5.13	27.14	5.46	31.02	6.18	34.89	7.29
	25	17.45	4.29	19.38	4.61	23.26	5.27	25.20	5.62	27.14	6.01	31.02	6.82	34.89	8.05
	27	17.45	4.57	19.38	4.89	23.26	5.59	25.20	5.99	27.14	6.40	31.02	7.29	34.89	8.62
	29	17.45	4.83	19.38	5.17	23.26	5.94	25.20	6.37	27.14	6.82	31.02	7.77	34.89	9.25
	31	17.45	5.10	19.38	5.48	23.26	6.31	25.20	6.77	27.14	7.26	31.02	8.30	34.89	9.98
	33	17.45	5.39	19.38	5.81	23.26	6.71	25.20	7.21	27.14	7.74	31.02	8.86	34.89	10.76
	35	17.45	5.71	19.38	6.15	23.26	7.13	25.20	7.68	27.14	8.25	31.02	9.46	34.89	11.58
	37	17.45	6.04	19.38	6.52	23.26	7.58	25.20	8.17	27.14	8.80	31.02	10.11	34.89	12.45
	39	17.45	6.38	19.38	6.91	23.26	8.06	25.20	8.70	27.14	9.37	31.02	10.79	34.89	13.42
	41	17.45	6.76	19.38	7.33	23.26	8.58	25.20	9.26	27.14	9.99	31.02	11.60	34.89	14.51
	43	17.45	7.17	19.38	7.77	23.26	9.12	25.20	9.86	27.14	10.62	31.02	12.51	34.89	15.62
46	17.45	7.81	19.38	8.51	23.26	10.02	25.20	10.85	27.14	11.72	31.02	14.02	32.03	14.75	
48	17.45	8.30	19.38	9.04	23.26	10.66	25.20	11.56	27.14	12.54	28.38	12.74	28.60	12.33	
50	17.45	8.80	19.38	9.61	23.26	11.37	24.20	11.73	24.31	11.43	24.66	10.87	24.90	10.62	
52	17.45	9.35	19.38	10.22	20.26	10.15	20.38	9.90	20.50	9.63	21.05	9.28	20.99	8.89	
55	13.71	8.22	13.90	8.06	14.22	7.72	14.35	7.54	14.82	7.53	15.50	7.31	14.86	6.75	
80%	-15	15.51	1.91	17.23	2.15	20.68	2.51	22.40	2.69	24.12	2.88	27.57	3.24	31.02	3.62
	-10	15.51	1.96	17.23	2.15	20.68	2.51	22.40	2.71	24.12	2.91	27.57	3.27	31.02	3.67
	-5	15.51	1.97	17.23	2.16	20.68	2.51	22.40	2.71	24.12	2.91	27.57	3.30	31.02	3.69
	-2	15.51	1.97	17.23	2.17	20.68	2.52	22.40	2.71	24.12	2.93	27.57	3.32	31.02	3.70
	0	15.51	1.97	17.23	2.17	20.68	2.52	22.40	2.73	24.12	2.99	27.57	3.35	31.02	3.70
	2	15.51	1.98	17.23	2.17	20.68	2.53	22.40	2.79	24.12	3.00	27.57	3.36	31.02	3.75
	4	15.51	1.98	17.23	2.18	20.68	2.55	22.40	2.80	24.12	3.00	27.57	3.39	31.02	3.80
	6	15.51	1.99	17.23	2.18	20.68	2.58	22.40	2.80	24.12	3.02	27.57	3.54	31.02	3.84
	8	15.51	2.00	17.23	2.20	20.68	2.60	22.40	2.81	24.12	3.03	27.57	3.58	31.02	4.01
	10	15.51	2.01	17.23	2.20	20.68	2.61	22.40	2.82	24.12	3.05	27.57	3.59	31.02	4.02
	12	15.51	2.05	17.23	2.21	20.68	2.61	22.40	2.82	24.12	3.05	27.57	3.70	31.02	4.27
	14	15.51	2.06	17.23	2.22	20.68	2.66	22.40	2.96	24.12	3.34	27.57	4.06	31.02	4.71
	17	15.51	2.09	17.23	2.38	20.68	3.05	22.40	3.51	24.12	3.91	27.57	4.88	31.02	5.38
	20	15.51	2.49	17.23	2.77	20.68	4.15	22.40	4.37	24.12	4.59	27.57	5.02	31.02	5.78
	22	15.51	2.89	17.23	3.73	20.68	4.28	22.40	4.53	24.12	4.79	27.57	5.32	31.02	6.19
	25	15.51	3.41	17.23	4.12	20.68	4.68	22.40	4.96	24.12	5.26	27.57	5.87	31.02	6.82
	27	15.51	3.75	17.23	4.41	20.68	4.97	22.40	5.28	24.12	5.60	27.57	6.26	31.02	7.30
	29	15.51	4.05	17.23	4.70	20.68	5.27	22.40	5.61	24.12	5.96	27.57	6.68	31.02	7.79
	31	15.51	4.47	17.23	4.96	20.68	5.60	22.40	5.96	24.12	6.34	27.57	7.13	31.02	8.31
	33	15.51	4.71	17.23	5.23	20.68	5.94	22.40	6.34	24.12	6.75	27.57	7.60	31.02	8.88
	35	15.51	4.98	17.23	5.53	20.68	6.31	22.40	6.74	24.12	7.17	27.57	8.11	31.02	9.47
	37	15.51	5.25	17.23	5.85	20.68	6.69	22.40	7.15	24.12	7.63	27.57	8.65	31.02	10.12
	39	15.51	5.65	17.23	6.19	20.68	7.11	22.40	7.61	24.12	8.13	27.57	9.22	31.02	10.80
	41	15.51	5.96	17.23	6.56	20.68	7.56	22.40	8.09	24.12	8.66	27.57	9.83	31.02	11.60
	43	15.51	6.31	17.23	6.95	20.68	8.03	22.40	8.61	24.12	9.22	27.57	10.49	31.02	12.55
46	15.51	6.89	17.23	7.58	20.68	8.79	22.40	9.44	24.12	10.14	27.57	11.56	31.02	14.05	
48	15.51	7.44	17.23	8.05	20.68	9.35	22.40	10.05	24.12	10.80	27.57	12.33	28.39	12.75	
50	15.51	7.88	17.23	8.53	20.68	9.95	22.40	10.71	24.12	11.52	24.51	11.10	24.77	10.87	
52	15.51	8.37	17.23	9.07	20.18	10.33	20.31	10.08	20.38	9.81	20.63	9.27	20.91	9.09	
55	13.68	8.32	13.85	8.14	14.01	7.72	14.47	7.72	14.26	7.35	14.89	7.14	14.63	6.77	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...



Table2-8.2:10HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		22/15		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70%	-15	13.57	1.66	15.08	1.86	18.09	2.21	19.60	2.37	21.11	2.55	24.12	2.87	27.14	3.19
	-10	13.57	1.73	15.08	1.90	18.09	2.22	19.60	2.39	21.11	2.56	24.12	2.89	27.14	3.22
	-5	13.57	1.74	15.08	1.90	18.09	2.23	19.60	2.40	21.11	2.56	24.12	2.91	27.14	3.22
	-2	13.57	1.74	15.08	1.91	18.09	2.23	19.60	2.42	21.11	2.57	24.12	2.93	27.14	3.23
	0	13.57	1.74	15.08	1.92	18.09	2.24	19.60	2.42	21.11	2.58	24.12	2.93	27.14	3.25
	2	13.57	1.75	15.08	1.92	18.09	2.25	19.60	2.44	21.11	2.58	24.12	2.93	27.14	3.29
	4	13.57	1.75	15.08	1.92	18.09	2.27	19.60	2.46	21.11	2.62	24.12	3.02	27.14	3.30
	6	13.57	1.76	15.08	1.93	18.09	2.28	19.60	2.46	21.11	2.62	24.12	3.07	27.14	3.40
	8	13.57	1.76	15.08	1.93	18.09	2.28	19.60	2.47	21.11	2.65	24.12	3.11	27.14	3.42
	10	13.57	1.79	15.08	1.95	18.09	2.29	19.60	2.51	21.11	2.67	24.12	3.13	27.14	3.49
	12	13.57	1.80	15.08	1.98	18.09	2.29	19.60	2.54	21.11	2.70	24.12	3.20	27.14	3.64
	14	13.57	1.82	15.08	2.00	18.09	2.36	19.60	2.54	21.11	2.80	24.12	3.39	27.14	3.91
	17	13.57	1.82	15.08	2.09	18.09	2.53	19.60	2.99	21.11	3.23	24.12	4.12	27.14	4.68
	20	13.57	2.00	15.08	2.45	18.09	3.35	19.60	3.95	21.11	4.13	24.12	4.51	27.14	4.96
	22	13.57	2.14	15.08	2.95	18.09	3.87	19.60	4.06	21.11	4.24	24.12	4.61	27.14	5.23
	25	13.57	2.64	15.08	3.04	18.09	4.08	19.60	4.36	21.11	4.59	24.12	5.03	27.14	5.77
	27	13.57	3.08	15.08	3.41	18.09	4.40	19.60	4.63	21.11	4.88	24.12	5.37	27.14	6.15
	29	13.57	3.43	15.08	3.88	18.09	4.69	19.60	4.92	21.11	5.19	24.12	5.72	27.14	6.57
	31	13.57	3.75	15.08	4.15	18.09	4.96	19.60	5.22	21.11	5.51	24.12	6.09	27.14	7.00
	33	13.57	4.03	15.08	4.44	18.09	5.24	19.60	5.54	21.11	5.86	24.12	6.49	27.14	7.46
	35	13.57	4.29	15.08	4.70	18.09	5.56	19.60	5.89	21.11	6.22	24.12	6.91	27.14	7.96
	37	13.57	4.55	15.08	4.97	18.09	5.89	19.60	6.25	21.11	6.61	24.12	7.37	27.14	8.49
	39	13.57	4.81	15.08	5.53	18.09	6.25	19.60	6.63	21.11	7.02	24.12	7.84	27.14	9.05
	41	13.57	5.06	15.08	5.79	18.09	6.62	19.60	7.04	21.11	7.47	24.12	8.36	27.14	9.65
	43	13.57	5.56	15.08	6.07	18.09	7.02	19.60	7.48	21.11	7.95	24.12	8.91	27.14	10.28
46	13.57	5.98	15.08	6.59	18.09	7.68	19.60	8.19	21.11	8.71	24.12	9.80	27.14	11.35	
48	13.57	6.29	15.08	6.99	18.09	8.16	19.60	8.71	21.11	9.28	24.12	10.45	27.14	12.12	
50	13.57	7.03	15.08	7.56	18.09	8.67	19.60	9.26	21.11	9.88	24.12	11.15	24.58	11.17	
52	13.57	7.44	15.08	8.01	18.09	9.21	19.60	9.87	20.35	10.08	20.56	9.55	20.70	9.27	
55	13.57	8.38	13.80	8.26	14.06	7.89	14.20	7.72	14.32	7.54	14.93	7.34	15.09	7.13	
60%	-15	11.63	1.42	12.92	1.60	15.51	1.94	16.80	2.08	18.09	2.24	20.68	2.48	23.26	2.78
	-10	11.63	1.51	12.92	1.65	15.51	1.95	16.80	2.08	18.09	2.25	20.68	2.51	23.26	2.78
	-5	11.63	1.52	12.92	1.67	15.51	1.97	16.80	2.09	18.09	2.26	20.68	2.51	23.26	2.79
	-2	11.63	1.52	12.92	1.68	15.51	1.97	16.80	2.10	18.09	2.26	20.68	2.52	23.26	2.80
	0	11.63	1.53	12.92	1.68	15.51	1.98	16.80	2.12	18.09	2.29	20.68	2.56	23.26	2.88
	2	11.63	1.53	12.92	1.68	15.51	1.98	16.80	2.12	18.09	2.29	20.68	2.56	23.26	2.88
	4	11.63	1.54	12.92	1.69	15.51	1.99	16.80	2.12	18.09	2.29	20.68	2.59	23.26	2.89
	6	11.63	1.54	12.92	1.69	15.51	1.99	16.80	2.13	18.09	2.30	20.68	2.59	23.26	2.93
	8	11.63	1.54	12.92	1.69	15.51	1.99	16.80	2.14	18.09	2.31	20.68	2.60	23.26	2.96
	10	11.63	1.54	12.92	1.71	15.51	2.00	16.80	2.14	18.09	2.32	20.68	2.60	23.26	2.98
	12	11.63	1.55	12.92	1.73	15.51	2.01	16.80	2.18	18.09	2.34	20.68	2.62	23.26	2.99
	14	11.63	1.55	12.92	1.75	15.51	2.03	16.80	2.20	18.09	2.37	20.68	2.81	23.26	3.21
	17	11.63	1.62	12.92	1.77	15.51	2.22	16.80	2.37	18.09	2.61	20.68	3.33	23.26	3.76
	20	11.63	1.68	12.92	2.03	15.51	2.48	16.80	3.02	18.09	3.55	20.68	4.00	23.26	4.39
	22	11.63	1.89	12.92	2.06	15.51	2.86	16.80	3.32	18.09	3.78	20.68	4.09	23.26	4.49
	25	11.63	2.14	12.92	2.24	15.51	3.37	16.80	3.59	18.09	3.82	20.68	4.29	23.26	4.85
	27	11.63	2.54	12.92	2.75	15.51	3.40	16.80	3.85	18.09	4.19	20.68	4.57	23.26	5.18
	29	11.63	2.95	12.92	3.16	15.51	3.75	16.80	4.18	18.09	4.51	20.68	4.87	23.26	5.52
	31	11.63	3.34	12.92	3.51	15.51	4.06	16.80	4.49	18.09	4.80	20.68	5.18	23.26	5.87
	33	11.63	3.66	12.92	3.82	15.51	4.36	16.80	4.94	18.09	5.09	20.68	5.52	23.26	6.25
	35	11.63	3.94	12.92	4.10	15.51	4.77	16.80	5.22	18.09	5.37	20.68	5.87	23.26	6.65
	37	11.63	4.20	12.92	4.37	15.51	5.04	16.80	5.48	18.09	5.69	20.68	6.24	23.26	7.09
	39	11.63	4.44	12.92	4.61	15.51	5.45	16.80	5.77	18.09	6.05	20.68	6.63	23.26	7.54
	41	11.63	4.68	12.92	4.86	15.51	5.73	16.80	6.10	18.09	6.42	20.68	7.06	23.26	8.04
	43	11.63	4.92	12.92	5.13	15.51	6.02	16.80	6.47	18.09	6.81	20.68	7.51	23.26	8.55
46	11.63	5.29	12.92	5.54	15.51	6.54	16.80	7.06	18.09	7.44	20.68	8.25	23.26	9.40	
48	11.63	5.55	12.92	5.84	15.51	6.93	16.80	7.48	18.09	7.92	20.68	8.78	23.26	10.01	
50	11.63	6.48	12.92	6.76	15.51	7.50	16.80	7.95	18.09	8.41	20.68	9.36	23.26	10.68	
52	11.63	6.79	12.92	7.10	15.51	7.96	16.80	8.45	18.09	8.95	20.68	9.97	20.59	9.64	
55	11.63	7.38	12.92	7.91	13.93	8.03	14.13	7.90	14.26	7.72	14.55	7.35	14.68	7.15	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.2:10HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		22/15		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC KW	PI KW	TC KW	PI KW	TC KW	PI KW	TC KW	PI KW	TC KW	PI KW	TC KW	PI KW	TC KW	PI KW
50%	-15	9.69	1.12	10.77	1.27	12.92	1.57	14.00	1.78	15.08	1.87	17.23	2.09	19.38	2.33
	-10	9.69	1.22	10.77	1.39	12.92	1.67	14.00	1.79	15.08	1.89	17.23	2.14	19.38	2.36
	-5	9.69	1.27	10.77	1.41	12.92	1.67	14.00	1.79	15.08	1.90	17.23	2.15	19.38	2.36
	-2	9.69	1.30	10.77	1.42	12.92	1.68	14.00	1.80	15.08	1.92	17.23	2.15	19.38	2.36
	0	9.69	1.30	10.77	1.42	12.92	1.68	14.00	1.81	15.08	1.92	17.23	2.16	19.38	2.41
	2	9.69	1.30	10.77	1.43	12.92	1.68	14.00	1.81	15.08	1.92	17.23	2.17	19.38	2.41
	4	9.69	1.31	10.77	1.43	12.92	1.69	14.00	1.81	15.08	1.92	17.23	2.18	19.38	2.42
	6	9.69	1.31	10.77	1.43	12.92	1.69	14.00	1.82	15.08	1.93	17.23	2.18	19.38	2.43
	8	9.69	1.31	10.77	1.43	12.92	1.69	14.00	1.82	15.08	1.95	17.23	2.18	19.38	2.44
	10	9.69	1.31	10.77	1.44	12.92	1.69	14.00	1.82	15.08	1.96	17.23	2.19	19.38	2.45
	12	9.69	1.32	10.77	1.44	12.92	1.70	14.00	1.82	15.08	1.98	17.23	2.21	19.38	2.46
	14	9.69	1.32	10.77	1.46	12.92	1.76	14.00	1.84	15.08	2.00	17.23	2.23	19.38	2.50
	17	9.69	1.35	10.77	1.49	12.92	1.88	14.00	2.00	15.08	2.06	17.23	2.58	19.38	2.91
	20	9.69	1.37	10.77	1.59	12.92	1.97	14.00	2.18	15.08	2.38	17.23	3.38	19.38	3.83
	22	9.69	1.61	10.77	1.77	12.92	2.11	14.00	2.27	15.08	2.70	17.23	3.55	19.38	3.92
	25	9.69	1.97	10.77	1.99	12.92	2.43	14.00	2.64	15.08	2.82	17.23	3.55	19.38	3.95
	27	9.69	2.32	10.77	2.36	12.92	2.54	14.00	3.06	15.08	3.28	17.23	3.58	19.38	4.29
	29	9.69	2.64	10.77	2.71	12.92	2.90	14.00	3.07	15.08	3.33	17.23	3.94	19.38	4.59
	31	9.69	2.95	10.77	3.06	12.92	3.30	14.00	3.46	15.08	3.68	17.23	4.45	19.38	4.89
	33	9.69	3.24	10.77	3.39	12.92	3.64	14.00	3.78	15.08	4.12	17.23	4.76	19.38	5.20
35	9.69	3.52	10.77	3.70	12.92	3.95	14.00	4.08	15.08	4.42	17.23	5.05	19.38	5.53	
37	9.69	3.80	10.77	3.97	12.92	4.23	14.00	4.36	15.08	4.70	17.23	5.35	19.38	5.88	
39	9.69	4.06	10.77	4.22	12.92	4.49	14.00	4.63	15.08	4.98	17.23	5.64	19.38	6.25	
41	9.69	4.32	10.77	4.45	12.92	4.75	14.00	5.14	15.08	5.26	17.23	5.94	19.38	6.64	
43	9.69	4.53	10.77	4.68	12.92	5.01	14.00	5.39	15.08	5.82	17.23	6.29	19.38	7.05	
46	9.69	4.83	10.77	5.03	12.92	5.42	14.00	5.82	15.08	6.26	17.23	6.89	19.38	7.73	
48	9.69	5.07	10.77	5.28	12.92	5.71	14.00	6.12	15.08	6.59	17.23	7.31	19.38	8.23	
50	9.69	5.55	10.77	6.03	12.92	6.62	14.00	6.85	15.08	7.11	17.23	7.78	19.38	8.76	
52	9.69	6.23	10.77	6.48	12.92	6.96	14.00	7.21	15.08	7.55	17.23	8.27	19.38	9.32	
55	9.69	6.66	10.77	6.94	12.92	7.68	14.00	8.10	14.07	7.91	14.32	7.54	14.46	7.35	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table2-8.3:12HP cooling capacity

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		22/15		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW
130%	-15	30.15	3.98	33.50	4.41	40.20	5.19	43.55	5.57	46.90	6.23	49.08	7.29	49.99	9.66
	-10	30.15	3.99	33.50	4.41	40.20	5.21	43.55	5.77	46.90	6.31	48.76	7.57	49.96	10.09
	-5	30.15	4.01	33.50	4.41	40.20	5.38	43.55	5.83	46.90	6.47	48.60	8.01	49.93	10.60
	-2	30.15	4.02	33.50	4.42	40.20	5.40	43.55	5.90	46.90	6.50	48.38	8.07	49.90	10.70
	0	30.15	4.03	33.50	4.50	40.20	5.42	43.55	6.06	46.90	6.70	48.44	8.52	49.88	11.10
	2	30.15	4.17	33.50	4.68	40.20	5.60	43.55	6.06	46.90	6.84	48.19	8.64	49.53	11.27
	4	30.15	4.23	33.50	4.70	40.20	5.70	43.55	6.22	45.85	7.05	48.06	8.78	49.37	11.60
	6	30.15	4.24	33.50	4.78	40.20	5.79	43.55	6.47	45.70	7.28	47.96	9.17	49.19	12.00
	8	30.15	4.26	33.50	4.85	40.20	6.06	43.55	6.73	45.55	7.63	47.78	9.61	48.73	12.62
	10	30.15	4.47	33.50	5.04	40.20	6.33	43.55	7.11	45.15	8.10	47.13	10.18	47.94	13.77
	12	30.15	4.68	33.50	5.29	40.20	6.67	43.55	7.56	44.57	8.58	46.64	10.98	47.15	14.99
	14	30.15	4.96	33.50	5.65	40.20	7.21	43.55	8.20	44.03	9.31	46.03	11.93	46.85	15.79
	17	30.15	5.70	33.50	6.53	40.20	8.10	42.21	9.21	43.16	10.50	45.08	13.43	45.79	16.69
	20	30.15	6.62	33.50	7.31	40.20	9.00	41.33	10.35	42.28	11.81	44.19	15.08	45.57	17.58
	22	30.15	7.05	33.50	7.81	40.20	9.76	40.74	11.17	41.66	12.74	43.60	16.26	44.22	18.17
	25	30.15	7.74	33.50	8.58	38.97	10.93	39.83	12.52	40.81	14.26	42.44	18.27	43.96	19.10
	27	30.15	8.24	33.50	9.16	38.38	11.76	39.20	13.45	40.14	15.32	41.68	19.81	42.54	19.73
	29	30.15	8.78	33.50	9.78	37.73	12.65	38.57	14.48	39.53	16.42	41.02	20.16	41.87	20.32
	31	30.15	9.35	33.50	10.43	37.12	13.65	37.97	15.54	38.89	17.67	40.35	20.80	41.03	20.97
	33	30.15	9.96	33.50	11.12	36.49	14.68	37.30	16.73	38.19	19.03	39.92	21.46	40.18	21.67
	35	30.15	10.60	33.50	11.94	35.86	15.76	36.67	18.00	37.57	20.65	39.13	22.15	40.83	22.36
	37	30.15	11.29	33.50	12.83	35.23	16.97	36.06	19.38	36.95	22.54	38.42	22.86	40.07	23.07
	39	30.15	12.05	33.50	13.83	34.51	18.25	35.28	20.96	36.09	23.13	37.56	23.59	37.90	23.81
	41	30.15	12.84	32.19	14.87	33.80	19.67	34.63	22.89	35.55	23.88	36.41	24.30	37.09	23.63
	43	30.15	13.80	31.52	15.99	33.18	21.21	33.93	23.36	34.28	22.49	34.22	20.95	34.54	20.44
	46	28.42	15.39	28.87	17.88	29.32	19.10	29.98	18.44	30.17	18.04	30.17	16.90	30.61	16.47
	48	25.48	16.61	25.87	17.37	26.10	16.24	26.21	15.67	26.39	15.20	27.18	14.59	26.84	14.19
	50	22.36	14.97	22.23	14.52	23.10	13.73	22.91	13.57	22.81	13.40	23.34	12.29	23.20	12.11
52	18.71	12.79	19.09	12.38	19.52	11.77	19.29	11.57	19.87	11.36	20.22	10.93	19.93	10.15	
55	13.89	9.25	13.54	9.48	13.58	8.87	14.06	8.86	14.55	8.20	14.53	7.53	15.07	7.48	
120%	-15	27.83	3.74	30.92	4.15	37.11	4.88	40.20	5.20	43.29	5.58	47.54	6.65	48.32	8.19
	-10	27.83	3.76	30.92	4.15	37.11	4.89	40.20	5.29	43.29	5.72	47.28	6.81	48.08	8.80
	-5	27.83	3.77	30.92	4.15	37.11	4.90	40.20	5.44	43.29	5.79	47.15	7.09	47.85	9.02
	-2	27.83	3.78	30.92	4.16	37.11	5.05	40.20	5.45	43.29	5.86	46.91	7.20	47.62	9.43
	0	27.83	3.79	30.92	4.19	37.11	5.09	40.20	5.47	43.29	6.07	46.70	7.25	47.38	9.43
	2	27.83	3.80	30.92	4.23	37.11	5.14	40.20	5.71	43.29	6.14	46.70	7.50	47.64	10.01
	4	27.83	3.86	30.92	4.38	37.11	5.32	40.20	5.76	43.29	6.24	46.56	7.84	47.65	10.22
	6	27.83	3.91	30.92	4.40	37.11	5.45	40.20	5.86	43.29	6.47	46.42	8.10	47.40	10.63
	8	27.83	3.93	30.92	4.41	37.11	5.47	40.20	6.01	43.29	6.74	46.23	8.48	47.35	11.06
	10	27.83	4.03	30.92	4.56	37.11	5.71	40.20	6.32	43.29	7.08	45.71	8.87	46.84	11.69
	12	27.83	4.25	30.92	4.83	37.11	6.04	40.20	6.78	43.29	7.54	45.15	9.49	46.27	12.74
	14	27.83	4.52	30.92	5.14	37.11	6.52	40.20	7.36	43.29	8.19	44.58	10.34	45.57	13.77
	17	27.83	5.15	30.92	5.96	37.11	7.43	40.20	8.14	41.87	9.22	43.85	11.65	44.65	15.51
	20	27.83	6.18	30.92	6.79	37.11	8.21	40.20	9.10	40.99	10.32	42.87	13.10	44.17	17.50
	22	27.83	6.58	30.92	7.24	37.11	8.78	40.20	9.83	40.44	11.20	42.28	14.16	43.58	18.05
	25	27.83	7.23	30.92	7.98	37.11	9.71	38.68	11.06	39.54	12.52	41.41	15.83	41.97	18.97
	27	27.83	7.69	30.92	8.48	37.11	10.43	38.08	11.91	38.91	13.49	40.73	17.03	41.34	19.58
	29	27.83	8.18	30.92	9.06	37.11	11.26	37.45	12.86	38.31	14.53	40.07	18.35	40.69	20.22
	31	27.83	8.70	30.92	9.66	36.04	12.14	36.85	13.82	37.74	15.65	39.57	19.91	40.20	20.88
	33	27.83	9.27	30.92	10.29	35.42	13.10	36.24	14.86	37.05	16.83	39.03	21.59	40.06	21.54
	35	27.83	9.86	30.92	10.96	34.81	14.05	35.64	15.98	36.50	18.09	38.34	22.01	38.44	22.21
	37	27.83	10.49	30.92	11.70	34.20	15.13	34.99	17.22	35.83	19.46	37.49	22.72	37.75	22.89
	39	27.83	11.17	30.92	12.47	33.55	16.28	34.37	18.53	35.15	21.05	36.57	23.45	37.06	23.67
	41	27.83	11.88	30.92	13.38	32.88	17.54	33.68	19.92	34.51	22.99	36.04	24.20	37.49	23.93
	43	27.83	12.68	30.92	14.42	32.28	18.92	33.02	21.57	33.57	23.01	34.67	21.26	33.82	20.91
	46	27.83	13.95	28.28	16.12	28.74	19.41	28.98	18.82	28.73	18.24	29.97	17.13	30.16	16.69
	48	25.05	14.99	25.16	17.40	25.75	16.47	25.70	16.03	25.79	15.45	26.07	14.80	26.15	13.91
	50	21.88	15.17	22.12	14.61	22.36	13.96	22.35	13.78	22.53	13.13	22.76	12.52	23.43	12.08
52	18.51	12.78	18.88	12.61	18.84	11.78	18.85	11.80	19.41	11.11	19.75	10.91	19.47	10.15	
55	13.61	9.46	13.27	9.26	14.23	8.87	13.77	8.87	14.25	8.21	14.23	8.16	14.76	7.49	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.3:12HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		22/15		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW
110%	-15	25.51	3.53	28.35	3.85	34.02	4.55	36.85	4.90	39.68	5.25	45.35	6.07	46.99	7.19
	-10	25.51	3.55	28.35	3.88	34.02	4.57	36.85	4.91	39.68	5.27	45.35	6.16	46.64	7.36
	-5	25.51	3.55	28.35	3.89	34.02	4.58	36.85	4.92	39.68	5.38	45.35	6.24	46.60	8.06
	-2	25.51	3.55	28.35	3.89	34.02	4.60	36.85	5.03	39.68	5.41	45.35	6.31	46.35	8.19
	0	25.51	3.56	28.35	3.90	34.02	4.67	36.85	5.09	39.68	5.51	45.35	6.37	46.35	8.24
	2	25.51	3.60	28.35	3.90	34.02	4.75	36.85	5.14	39.68	5.61	45.35	6.47	46.12	8.38
	4	25.51	3.62	28.35	4.02	34.02	4.76	36.85	5.25	39.68	5.76	45.35	6.66	46.00	8.89
	6	25.51	3.68	28.35	4.08	34.02	4.86	36.85	5.41	39.68	5.78	45.35	6.90	45.89	9.16
	8	25.51	3.72	28.35	4.17	34.02	4.91	36.85	5.43	39.68	5.95	45.35	7.20	45.70	9.42
	10	25.51	3.80	28.35	4.18	34.02	5.16	36.85	5.69	39.68	6.24	44.22	7.65	45.29	9.97
	12	25.51	3.84	28.35	4.34	34.02	5.40	36.85	6.00	39.68	6.68	43.69	8.18	44.78	10.75
	14	25.51	4.07	28.35	4.62	34.02	5.82	36.85	6.50	39.68	7.27	43.13	8.86	44.14	11.68
	17	25.51	4.62	28.35	5.31	34.02	6.79	36.85	7.40	39.68	8.07	42.35	10.01	43.29	13.14
	20	25.51	5.75	28.35	6.29	34.02	7.50	36.85	8.19	39.68	8.97	41.50	11.24	42.53	14.78
	22	25.51	6.12	28.35	6.69	34.02	7.99	36.85	8.76	39.68	9.70	40.91	12.16	41.93	15.88
	25	25.51	6.70	28.35	7.36	34.02	8.83	36.85	9.67	38.29	10.88	40.04	13.68	41.07	17.85
	27	25.51	7.14	28.35	7.83	34.02	9.43	36.85	10.44	37.73	11.79	39.51	14.74	39.91	19.31
	29	25.51	7.59	28.35	8.34	34.02	10.08	36.85	11.24	37.13	12.67	38.90	15.86	39.60	20.06
	31	25.51	8.07	28.35	8.88	34.02	10.76	35.75	12.09	36.53	13.64	38.30	17.02	38.82	20.72
	33	25.51	8.58	28.35	9.46	34.02	11.52	35.15	13.08	35.92	14.72	37.67	18.33	38.29	21.38
	35	25.51	9.12	28.35	10.07	34.02	12.44	34.53	14.07	35.31	15.84	37.03	19.77	37.64	22.07
	37	25.51	9.70	28.35	10.74	33.18	13.39	33.91	15.12	34.76	17.04	36.26	21.48	37.41	22.77
	39	25.51	10.30	28.35	11.43	32.56	14.39	33.31	16.27	34.09	18.36	35.89	23.44	36.20	23.51
	41	25.51	10.97	28.35	12.19	31.91	15.50	32.64	17.56	33.42	19.77	34.78	24.03	35.76	24.22
	43	25.51	11.69	28.35	13.01	31.27	16.72	32.04	18.93	32.73	21.33	33.20	21.84	33.41	21.04
46	25.51	12.85	27.68	14.38	28.16	18.75	28.37	19.14	28.63	18.55	29.14	17.61	29.33	16.90	
48	24.61	13.68	24.80	15.49	25.22	16.75	24.99	16.25	25.26	15.67	25.96	14.75	25.71	14.60	
50	21.41	14.61	21.59	14.81	21.98	14.05	21.98	13.77	21.95	13.34	22.71	12.75	22.81	12.56	
52	18.09	12.99	18.20	12.59	18.38	11.98	18.92	11.56	18.93	11.34	19.26	10.66	18.99	10.18	
55	13.07	9.66	13.00	9.47	13.92	8.87	13.48	8.87	13.93	8.21	13.90	8.16	14.41	7.51	
100%	-15	23.19	3.29	25.77	3.59	30.92	4.25	33.50	4.56	36.08	4.88	41.23	5.44	46.38	6.40
	-10	23.19	3.29	25.77	3.59	30.92	4.26	33.50	4.56	36.08	4.88	41.23	5.52	46.38	6.48
	-5	23.19	3.30	25.77	3.61	30.92	4.26	33.50	4.56	36.08	4.91	41.23	5.58	46.38	6.63
	-2	23.19	3.30	25.77	3.62	30.92	4.27	33.50	4.57	36.08	4.93	41.23	5.71	46.38	6.81
	0	23.19	3.31	25.77	3.63	30.92	4.27	33.50	4.62	36.08	5.07	41.23	5.80	46.38	6.97
	2	23.19	3.34	25.77	3.66	30.92	4.36	33.50	4.74	36.08	5.14	41.23	5.92	46.38	7.10
	4	23.19	3.36	25.77	3.68	30.92	4.41	33.50	4.85	36.08	5.15	41.23	6.00	46.38	7.30
	6	23.19	3.41	25.77	3.74	30.92	4.46	33.50	4.90	36.08	5.37	41.23	6.08	46.38	7.77
	8	23.19	3.43	25.77	3.90	30.92	4.57	33.50	5.05	36.08	5.39	41.23	6.30	46.38	7.99
	10	23.19	3.43	25.77	3.90	30.92	4.58	33.50	5.07	36.08	5.56	41.23	6.57	46.38	8.45
	12	23.19	3.46	25.77	4.00	30.92	4.81	33.50	5.36	36.08	5.92	41.23	7.00	46.38	9.01
	14	23.19	3.64	25.77	4.11	30.92	5.17	33.50	5.75	36.08	6.37	41.23	7.62	46.38	9.76
	17	23.19	4.12	25.77	4.69	30.92	5.96	33.50	6.68	36.08	7.22	41.23	8.49	46.38	11.02
	20	23.19	5.07	25.77	5.78	30.92	6.80	33.50	7.39	36.08	8.01	41.23	9.54	46.38	12.39
	22	23.19	5.66	25.77	6.16	30.92	7.26	33.50	7.88	36.08	8.55	41.23	10.33	46.38	13.42
	25	23.19	6.20	25.77	6.76	30.92	8.00	33.50	8.70	36.08	9.47	41.23	11.59	46.38	14.97
	27	23.19	6.59	25.77	7.18	30.92	8.53	33.50	9.30	36.08	10.14	41.23	12.57	46.38	16.13
	29	23.19	7.00	25.77	7.64	30.92	9.11	33.50	9.95	36.08	10.92	41.23	13.51	46.38	17.32
	31	23.19	7.44	25.77	8.14	30.92	9.72	33.50	10.63	36.08	11.79	41.23	14.53	46.38	18.66
	33	23.19	7.90	25.77	8.66	30.92	10.37	33.50	11.34	36.08	12.71	41.23	15.68	46.38	20.28
	35	23.19	8.39	25.77	9.22	30.92	11.06	33.50	11.55	36.08	13.69	41.23	16.90	46.38	22.02
	37	23.19	8.91	25.77	9.80	30.92	11.81	33.50	13.17	36.08	14.74	41.23	18.19	44.83	22.58
	39	23.19	9.48	25.77	10.45	30.92	12.61	33.50	14.19	36.08	15.89	41.23	19.58	44.03	23.31
	41	23.19	10.08	25.77	11.11	30.92	13.54	33.50	15.26	36.08	17.08	41.23	21.16	43.28	24.07
	43	23.19	10.71	25.77	11.85	30.92	14.62	32.80	16.42	36.08	18.44	40.31	22.54	40.74	21.72
46	23.19	11.75	25.77	13.01	30.92	16.37	31.20	18.45	34.32	18.99	34.84	17.79	35.10	17.38	
48	23.19	12.52	25.77	13.87	30.14	17.11	30.31	16.52	30.59	16.02	30.96	14.98	31.53	14.79	
50	23.19	13.33	25.77	14.81	26.20	14.24	26.31	13.85	26.56	13.56	27.12	12.96	27.57	12.78	
52	21.59	13.05	21.90	12.79	22.25	12.21	22.58	12.01	22.54	11.58	22.81	10.91	23.55	10.94	
55	15.21	9.65	15.11	9.27	15.50	8.87	16.03	8.87	15.44	8.22	16.56	8.17	15.85	7.52	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.3:12HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		22/15		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW
90%	-15	20.87	2.98	23.19	3.28	27.83	3.83	30.15	4.12	32.47	4.38	37.11	4.93	41.75	5.51
	-10	20.87	2.99	23.19	3.28	27.83	3.84	30.15	4.13	32.47	4.40	37.11	5.02	41.75	5.59
	-5	20.87	2.99	23.19	3.28	27.83	3.84	30.15	4.14	32.47	4.45	37.11	5.03	41.75	5.74
	-2	20.87	3.01	23.19	3.28	27.83	3.86	30.15	4.17	32.47	4.47	37.11	5.14	41.75	5.83
	0	20.87	3.03	23.19	3.28	27.83	3.86	30.15	4.19	32.47	4.50	37.11	5.23	41.75	5.85
	2	20.87	3.05	23.19	3.30	27.83	3.86	30.15	4.24	32.47	4.57	37.11	5.29	41.75	5.98
	4	20.87	3.05	23.19	3.32	27.83	3.96	30.15	4.33	32.47	4.75	37.11	5.37	41.75	6.07
	6	20.87	3.06	23.19	3.36	27.83	4.05	30.15	4.39	32.47	4.76	37.11	5.53	41.75	6.15
	8	20.87	3.07	23.19	3.38	27.83	4.06	30.15	4.40	32.47	4.88	37.11	5.56	41.75	6.38
	10	20.87	3.08	23.19	3.38	27.83	4.13	30.15	4.51	32.47	4.95	37.11	5.86	41.75	6.69
	12	20.87	3.12	23.19	3.39	27.83	4.24	30.15	4.68	32.47	5.18	37.11	6.12	41.75	7.11
	14	20.87	3.12	23.19	3.54	27.83	4.49	30.15	5.00	32.47	5.55	37.11	6.61	41.75	7.75
	17	20.87	3.49	23.19	4.05	27.83	5.26	30.15	5.76	32.47	6.42	37.11	7.17	41.75	8.71
	20	20.87	4.30	23.19	5.08	27.83	5.99	30.15	6.44	32.47	6.92	37.11	7.96	41.75	9.81
	22	20.87	5.13	23.19	5.52	27.83	6.39	30.15	6.88	32.47	7.40	37.11	8.50	41.75	10.63
	25	20.87	5.61	23.19	6.05	27.83	7.04	30.15	7.59	32.47	8.19	37.11	9.45	41.75	11.95
	27	20.87	5.95	23.19	6.42	27.83	7.50	30.15	8.10	32.47	8.75	37.11	10.11	41.75	12.86
	29	20.87	6.30	23.19	6.84	27.83	8.00	30.15	8.65	32.47	9.35	37.11	10.90	41.75	13.86
	31	20.87	6.70	23.19	7.27	27.83	8.54	30.15	9.24	32.47	9.99	37.11	11.78	41.75	14.92
	33	20.87	7.10	23.19	7.72	27.83	9.09	30.15	9.85	32.47	10.65	37.11	12.70	41.75	16.09
	35	20.87	7.54	23.19	8.21	27.83	9.69	30.15	10.51	32.47	11.39	37.11	13.74	41.75	17.31
	37	20.87	8.00	23.19	8.72	27.83	10.31	30.15	11.21	32.47	12.15	37.11	14.76	41.75	18.63
	39	20.87	8.49	23.19	9.28	27.83	11.00	30.15	11.98	32.47	13.07	37.11	15.96	41.75	20.11
	41	20.87	9.02	23.19	9.86	27.83	11.73	30.15	12.77	32.47	14.07	37.11	17.15	41.75	21.82
	43	20.87	9.58	23.19	10.49	27.83	12.50	30.15	13.65	32.47	15.20	37.11	18.56	40.40	22.45
46	20.87	10.49	23.19	11.52	27.83	13.80	30.15	15.32	32.47	17.06	34.64	18.24	34.92	17.67	
48	20.87	11.16	23.19	12.27	27.83	14.77	30.15	16.52	30.46	16.42	30.85	15.32	31.25	15.01	
50	20.87	11.89	23.19	13.08	26.21	14.50	26.34	14.15	26.46	13.75	26.99	13.18	27.45	12.99	
52	20.87	12.66	21.75	12.90	22.12	12.30	22.27	12.00	22.58	11.80	22.86	11.15	23.20	10.92	
55	15.09	9.64	15.62	9.67	15.70	9.08	15.51	8.67	16.41	8.87	16.40	8.19	16.99	8.16	
80%	-15	18.55	2.59	20.62	2.91	24.74	3.43	26.80	3.69	28.86	3.93	32.98	4.46	37.11	4.98
	-10	18.55	2.65	20.62	2.92	24.74	3.44	26.80	3.69	28.86	3.94	32.98	4.48	37.11	4.99
	-5	18.55	2.67	20.62	2.92	24.74	3.44	26.80	3.70	28.86	3.95	32.98	4.49	37.11	5.01
	-2	18.55	2.67	20.62	2.92	24.74	3.45	26.80	3.73	28.86	3.96	32.98	4.50	37.11	5.12
	0	18.55	2.68	20.62	2.93	24.74	3.47	26.80	3.78	28.86	4.01	32.98	4.60	37.11	5.21
	2	18.55	2.69	20.62	2.95	24.74	3.49	26.80	3.79	28.86	4.06	32.98	4.69	37.11	5.25
	4	18.55	2.70	20.62	2.96	24.74	3.52	26.80	3.81	28.86	4.17	32.98	4.79	37.11	5.37
	6	18.55	2.70	20.62	2.98	24.74	3.60	26.80	3.89	28.86	4.19	32.98	4.91	37.11	5.44
	8	18.55	2.70	20.62	2.99	24.74	3.69	26.80	3.90	28.86	4.27	32.98	4.92	37.11	5.52
	10	18.55	2.72	20.62	3.01	24.74	3.70	26.80	3.94	28.86	4.31	32.98	5.10	37.11	5.75
	12	18.55	2.75	20.62	3.04	24.74	3.75	26.80	4.15	28.86	4.55	32.98	5.43	37.11	6.11
	14	18.55	2.78	20.62	3.10	24.74	3.95	26.80	4.42	28.86	4.79	32.98	5.82	37.11	6.62
	17	18.55	2.96	20.62	3.46	24.74	4.51	26.80	5.06	28.86	5.50	32.98	6.41	37.11	7.17
	20	18.55	3.47	20.62	4.31	24.74	5.38	26.80	5.69	28.86	5.99	32.98	6.74	37.11	7.95
	22	18.55	4.39	20.62	4.94	24.74	5.61	26.80	5.99	28.86	6.38	32.98	7.22	37.11	8.52
	25	18.55	4.87	20.62	5.40	24.74	6.17	26.80	6.60	28.86	7.04	32.98	8.00	37.11	9.45
	27	18.55	5.38	20.62	5.74	24.74	6.58	26.80	7.04	28.86	7.52	32.98	8.55	37.11	10.11
	29	18.55	5.68	20.62	6.09	24.74	6.99	26.80	7.50	28.86	8.02	32.98	9.15	37.11	10.90
	31	18.55	6.02	20.62	6.47	24.74	7.45	26.80	8.00	28.86	8.58	32.98	9.79	37.11	11.76
	33	18.55	6.37	20.62	6.87	24.74	7.93	26.80	8.54	28.86	9.14	32.98	10.46	37.11	12.68
	35	18.55	6.75	20.62	7.28	24.74	8.45	26.80	9.09	28.86	9.76	32.98	11.19	37.11	13.70
	37	18.55	7.15	20.62	7.73	24.74	8.99	26.80	9.69	28.86	10.41	32.98	11.94	37.11	14.76
	39	18.55	7.59	20.62	8.20	24.74	9.58	26.80	10.32	28.86	11.12	32.98	12.77	37.11	15.92
	41	18.55	8.04	20.62	8.72	24.74	10.21	26.80	11.02	28.86	11.86	32.98	13.81	37.11	17.16
	43	18.55	8.53	20.62	9.27	24.74	10.87	26.80	11.74	28.86	12.65	32.98	14.86	37.11	18.52
46	18.55	9.32	20.62	10.16	24.74	11.96	26.80	12.93	28.86	13.97	32.98	16.69	34.71	18.31	
48	18.55	9.90	20.62	10.81	24.74	12.74	26.80	13.79	28.86	15.01	30.71	15.80	30.92	15.19	
50	18.55	10.53	20.62	11.50	24.74	13.59	26.80	14.73	26.38	14.05	26.76	13.37	26.89	12.95	
52	18.55	11.20	20.62	12.24	21.98	12.46	22.19	12.21	22.18	11.77	22.81	11.37	23.15	11.16	
55	15.05	9.74	15.14	9.45	15.84	9.29	15.67	8.88	15.47	8.45	16.18	8.20	16.76	8.17	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.3:12HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		22/15		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW
70%	-15	16.23	2.24	18.04	2.58	21.65	3.02	23.45	3.25	25.25	3.47	28.86	3.93	32.47	4.40
	-10	16.23	2.35	18.04	2.59	21.65	3.05	23.45	3.28	25.25	3.47	28.86	3.94	32.47	4.43
	-5	16.23	2.35	18.04	2.59	21.65	3.08	23.45	3.32	25.25	3.54	28.86	3.95	32.47	4.43
	-2	16.23	2.36	18.04	2.60	21.65	3.10	23.45	3.32	25.25	3.55	28.86	3.96	32.47	4.46
	0	16.23	2.36	18.04	2.61	21.65	3.10	23.45	3.35	25.25	3.56	28.86	3.98	32.47	4.54
	2	16.23	2.37	18.04	2.62	21.65	3.11	23.45	3.35	25.25	3.57	28.86	4.08	32.47	4.65
	4	16.23	2.37	18.04	2.65	21.65	3.11	23.45	3.36	25.25	3.58	28.86	4.10	32.47	4.67
	6	16.23	2.39	18.04	2.66	21.65	3.15	23.45	3.42	25.25	3.67	28.86	4.25	32.47	4.76
	8	16.23	2.39	18.04	2.66	21.65	3.17	23.45	3.43	25.25	3.78	28.86	4.36	32.47	4.90
	10	16.23	2.40	18.04	2.67	21.65	3.21	23.45	3.52	25.25	3.84	28.86	4.38	32.47	5.01
	12	16.23	2.42	18.04	2.69	21.65	3.22	23.45	3.57	25.25	3.90	28.86	4.64	32.47	5.22
	14	16.23	2.42	18.04	2.70	21.65	3.42	23.45	3.77	25.25	4.08	28.86	4.95	32.47	5.58
	17	16.23	2.52	18.04	2.95	21.65	3.84	23.45	4.28	25.25	4.77	28.86	5.73	32.47	6.33
	20	16.23	3.02	18.04	3.51	21.65	4.83	23.45	5.09	25.25	5.36	28.86	5.88	32.47	6.60
	22	16.23	3.46	18.04	4.44	21.65	4.97	23.45	5.23	25.25	5.50	28.86	6.08	32.47	7.07
	25	16.23	3.80	18.04	4.59	21.65	5.39	23.45	5.71	25.25	6.04	28.86	6.72	32.47	7.82
	27	16.23	4.36	18.04	4.92	21.65	5.73	23.45	6.09	25.25	6.44	28.86	7.21	32.47	8.38
	29	16.23	4.69	18.04	5.27	21.65	6.10	23.45	6.48	25.25	6.88	28.86	7.70	32.47	8.94
	31	16.23	5.04	18.04	5.59	21.65	6.49	23.45	6.91	25.25	7.33	28.86	8.22	32.47	9.57
	33	16.23	5.36	18.04	5.92	21.65	6.91	23.45	7.35	25.25	7.81	28.86	8.77	32.47	10.23
	35	16.23	5.67	18.04	6.47	21.65	7.34	23.45	7.82	25.25	8.34	28.86	9.38	32.47	10.94
	37	16.23	5.99	18.04	6.83	21.65	7.80	23.45	8.33	25.25	8.88	28.86	10.02	32.47	11.69
	39	16.23	6.48	18.04	7.25	21.65	8.30	23.45	8.86	25.25	9.47	28.86	10.70	32.47	12.51
	41	16.23	6.86	18.04	7.68	21.65	8.83	23.45	9.45	25.25	10.08	28.86	11.42	32.47	13.42
	43	16.23	7.28	18.04	8.15	21.65	9.39	23.45	10.05	25.25	10.75	28.86	12.20	32.47	14.48
46	16.23	8.11	18.04	8.90	21.65	10.31	23.45	11.06	25.25	11.84	28.86	13.48	32.47	16.21	
48	16.23	8.61	18.04	9.45	21.65	10.97	23.45	11.78	25.25	12.64	28.86	14.41	30.73	15.94	
50	16.23	9.29	18.04	10.05	21.65	11.69	23.45	12.57	25.25	13.46	26.62	13.69	26.81	13.37	
52	16.23	9.86	18.04	10.69	21.65	12.46	22.07	12.44	22.15	12.10	22.64	11.58	22.62	11.13	
55	14.94	9.80	15.04	9.55	15.26	9.08	15.75	9.08	15.57	8.67	16.26	8.44	16.46	8.19	
60%	-15	13.92	1.89	15.46	2.12	18.55	2.63	20.10	2.80	21.65	3.06	24.74	3.43	27.83	3.77
	-10	13.92	2.04	15.46	2.24	18.55	2.66	20.10	2.81	21.65	3.06	24.74	3.44	27.83	3.83
	-5	13.92	2.05	15.46	2.26	18.55	2.68	20.10	2.85	21.65	3.06	24.74	3.45	27.83	3.84
	-2	13.92	2.05	15.46	2.26	18.55	2.70	20.10	2.85	21.65	3.07	24.74	3.47	27.83	3.89
	0	13.92	2.05	15.46	2.26	18.55	2.72	20.10	2.88	21.65	3.12	24.74	3.47	27.83	3.89
	2	13.92	2.06	15.46	2.26	18.55	2.72	20.10	2.89	21.65	3.13	24.74	3.51	27.83	3.93
	4	13.92	2.07	15.46	2.27	18.55	2.73	20.10	2.90	21.65	3.13	24.74	3.58	27.83	4.05
	6	13.92	2.07	15.46	2.27	18.55	2.73	20.10	2.90	21.65	3.15	24.74	3.73	27.83	4.05
	8	13.92	2.12	15.46	2.29	18.55	2.74	20.10	2.93	21.65	3.17	24.74	3.75	27.83	4.09
	10	13.92	2.12	15.46	2.29	18.55	2.75	20.10	2.93	21.65	3.19	24.74	3.78	27.83	4.18
	12	13.92	2.15	15.46	2.35	18.55	2.75	20.10	2.94	21.65	3.19	24.74	3.92	27.83	4.40
	14	13.92	2.15	15.46	2.37	18.55	2.78	20.10	3.11	21.65	3.41	24.74	4.09	27.83	4.71
	17	13.92	2.20	15.46	2.38	18.55	3.09	20.10	3.48	21.65	3.88	24.74	4.78	27.83	5.44
	20	13.92	2.51	15.46	2.85	18.55	3.86	20.10	4.36	21.65	4.73	24.74	5.18	27.83	5.71
	22	13.92	2.55	15.46	3.27	18.55	4.38	20.10	4.64	21.65	4.86	24.74	5.28	27.83	5.81
	25	13.92	2.92	15.46	3.28	18.55	4.40	20.10	4.88	21.65	5.14	24.74	5.62	27.83	6.45
	27	13.92	3.44	15.46	3.75	18.55	4.79	20.10	5.23	21.65	5.49	24.74	6.01	27.83	6.89
	29	13.92	3.90	15.46	4.17	18.55	5.15	20.10	5.57	21.65	5.84	24.74	6.42	27.83	7.37
	31	13.92	4.30	15.46	4.65	18.55	5.64	20.10	5.92	21.65	6.23	24.74	6.86	27.83	7.87
	33	13.92	4.64	15.46	4.98	18.55	5.98	20.10	6.30	21.65	6.64	24.74	7.32	27.83	8.41
	35	13.92	4.97	15.46	5.30	18.55	6.34	20.10	6.69	21.65	7.07	24.74	7.82	27.83	8.98
	37	13.92	5.28	15.46	5.61	18.55	6.73	20.10	7.12	21.65	7.52	24.74	8.34	27.83	9.57
	39	13.92	5.59	15.46	6.08	18.55	7.14	20.10	7.57	21.65	8.01	24.74	8.89	27.83	10.22
	41	13.92	5.89	15.46	6.39	18.55	7.59	20.10	8.05	21.65	8.52	24.74	9.48	27.83	10.90
	43	13.92	6.22	15.46	6.74	18.55	8.06	20.10	8.55	21.65	9.07	24.74	10.13	27.83	11.64
46	13.92	6.73	15.46	7.34	18.55	8.82	20.10	9.39	21.65	9.97	24.74	11.14	27.83	12.86	
48	13.92	7.12	15.46	7.82	18.55	9.38	20.10	9.99	21.65	10.61	24.74	11.91	27.83	13.73	
50	13.92	8.15	15.46	8.73	18.55	9.98	20.10	10.63	21.65	11.31	24.74	12.70	26.62	13.84	
52	13.92	8.62	15.46	9.26	18.55	10.61	20.10	11.32	21.65	12.07	22.34	11.83	22.43	11.47	
55	13.92	9.31	15.07	9.77	15.24	9.27	15.41	9.08	15.54	8.88	16.23	8.66	16.06	8.22	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.3:12HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		22/15		23.3/16		25.8/18		27/19		28.2/20		30.7/22		32/24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW
50%	-15	11.60	1.64	12.88	1.80	15.46	2.22	16.75	2.39	18.04	2.57	20.62	2.87	23.19	3.19
	-10	11.60	1.65	12.88	1.89	15.46	2.26	16.75	2.43	18.04	2.58	20.62	2.91	23.19	3.21
	-5	11.60	1.74	12.88	1.91	15.46	2.26	16.75	2.44	18.04	2.60	20.62	2.91	23.19	3.24
	-2	11.60	1.74	12.88	1.92	15.46	2.26	16.75	2.45	18.04	2.60	20.62	2.92	23.19	3.26
	0	11.60	1.75	12.88	1.92	15.46	2.26	16.75	2.46	18.04	2.61	20.62	2.96	23.19	3.29
	2	11.60	1.75	12.88	1.93	15.46	2.27	16.75	2.47	18.04	2.64	20.62	2.96	23.19	3.34
	4	11.60	1.75	12.88	1.94	15.46	2.28	16.75	2.47	18.04	2.64	20.62	2.98	23.19	3.35
	6	11.60	1.76	12.88	1.94	15.46	2.29	16.75	2.49	18.04	2.65	20.62	2.98	23.19	3.36
	8	11.60	1.76	12.88	1.94	15.46	2.29	16.75	2.49	18.04	2.66	20.62	3.02	23.19	3.39
	10	11.60	1.77	12.88	1.94	15.46	2.34	16.75	2.50	18.04	2.67	20.62	3.06	23.19	3.45
	12	11.60	1.77	12.88	2.03	15.46	2.34	16.75	2.55	18.04	2.70	20.62	3.09	23.19	3.47
	14	11.60	1.80	12.88	2.03	15.46	2.36	16.75	2.56	18.04	2.77	20.62	3.28	23.19	3.76
	17	11.60	1.88	12.88	2.09	15.46	2.52	16.75	2.80	18.04	3.11	20.62	3.68	23.19	4.31
	20	11.60	1.94	12.88	2.29	15.46	2.85	16.75	3.40	18.04	3.87	20.62	4.51	23.19	4.93
	22	11.60	2.21	12.88	2.32	15.46	3.06	16.75	3.41	18.04	4.05	20.62	4.58	23.19	5.04
	25	11.60	2.33	12.88	2.40	15.46	3.41	16.75	3.87	18.04	4.22	20.62	4.74	23.19	5.25
	27	11.60	2.80	12.88	2.88	15.46	3.81	16.75	4.06	18.04	4.22	20.62	4.94	23.19	5.61
	29	11.60	3.26	12.88	3.43	15.46	3.89	16.75	4.30	18.04	4.80	20.62	5.32	23.19	5.99
	31	11.60	3.70	12.88	3.90	15.46	4.30	16.75	4.70	18.04	5.17	20.62	5.67	23.19	6.41
	33	11.60	4.12	12.88	4.30	15.46	4.78	16.75	5.07	18.04	5.52	20.62	6.06	23.19	6.82
35	11.60	4.48	12.88	4.65	15.46	5.11	16.75	5.41	18.04	5.87	20.62	6.46	23.19	7.29	
37	11.60	4.79	12.88	4.97	15.46	5.44	16.75	5.90	18.04	6.21	20.62	6.88	23.19	7.77	
39	11.60	5.09	12.88	5.27	15.46	5.77	16.75	6.22	18.04	6.75	20.62	7.32	23.19	8.28	
41	11.60	5.37	12.88	5.58	15.46	6.22	16.75	6.58	18.04	7.14	20.62	7.81	23.19	8.84	
43	11.60	5.65	12.88	5.88	15.46	6.57	16.75	6.94	18.04	7.59	20.62	8.31	23.19	9.42	
46	11.60	6.09	12.88	6.36	15.46	7.12	16.75	7.90	18.04	8.32	20.62	9.14	23.19	10.37	
48	11.60	6.39	12.88	6.70	15.46	7.53	16.75	8.40	18.04	8.84	20.62	9.73	23.19	11.04	
50	11.60	7.26	12.88	7.74	15.46	8.43	16.75	8.92	18.04	9.40	20.62	10.38	23.19	11.79	
52	11.60	7.78	12.88	8.11	15.46	8.96	16.75	9.47	18.04	10.01	20.62	11.09	22.32	12.01	
55	11.60	8.04	12.88	8.58	15.46	9.71	15.32	9.33	15.38	9.08	15.71	8.67	15.88	8.45	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table2-8.4:14HP cooling capacity

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		22		23.3		25.8		27		28.2		30.7		32	
		15	16	18	19	20	22	24							
		KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	
130%	-15	36.00	3.45	40.00	3.90	48.00	5.49	52.00	7.20	56.00	7.51	58.13	7.55	59.47	7.57
	-10	36.00	3.55	40.00	4.02	48.00	6.53	52.00	7.60	56.00	7.81	57.78	7.87	59.38	7.91
	-5	36.00	3.67	40.00	4.76	48.00	6.54	52.00	7.75	56.00	8.12	57.80	8.20	58.80	8.25
	-2	36.00	4.04	40.00	4.78	48.00	6.62	52.00	7.80	56.00	8.43	57.58	8.53	58.72	8.59
	0	36.00	4.08	40.00	4.80	48.00	6.63	52.00	7.82	54.73	8.74	57.46	8.99	58.50	9.15
	2	36.00	4.09	40.00	4.87	48.00	6.89	52.00	8.04	54.39	9.19	57.10	9.23	58.54	9.18
	4	36.00	4.15	40.00	4.88	48.00	6.99	52.00	8.20	54.31	9.27	57.04	9.34	58.48	9.37
	6	36.00	4.17	40.00	4.94	48.00	7.10	52.00	8.62	54.04	9.51	56.27	9.75	57.57	9.86
	8	36.00	4.28	40.00	5.03	48.00	7.34	52.00	9.09	53.39	9.95	55.71	10.18	56.67	10.34
	10	36.00	4.34	40.00	5.29	48.00	7.98	52.00	10.02	52.67	10.39	54.96	10.64	56.65	10.71
	12	36.00	4.57	40.00	5.53	48.00	8.77	50.88	10.72	52.00	10.83	54.46	11.05	55.18	11.25
	14	36.00	4.91	40.00	6.02	48.00	9.60	50.20	11.15	51.29	11.26	53.62	11.52	54.43	11.70
	17	36.00	5.55	40.00	6.88	48.00	11.01	49.15	11.79	50.26	11.92	52.69	12.16	53.65	12.33
	20	36.00	6.32	40.00	7.88	48.00	12.55	48.09	12.44	49.10	12.59	51.41	12.86	52.50	13.02
	22	36.00	6.83	40.00	8.61	46.32	12.76	47.40	12.88	48.37	13.03	50.56	13.33	51.39	13.53
	25	36.00	7.67	40.00	9.79	45.24	13.42	46.29	13.57	47.33	13.71	49.19	14.07	50.29	14.24
	27	36.00	8.33	40.00	10.67	44.51	13.88	45.55	14.03	46.69	14.17	48.62	14.52	50.27	14.67
	29	36.00	9.09	40.00	11.67	43.80	14.35	44.90	14.50	45.80	14.67	47.57	15.06	48.88	15.22
	31	36.00	9.92	40.00	12.77	43.05	14.84	44.03	15.00	45.13	15.16	46.89	15.56	48.64	15.70
	33	36.00	10.85	40.00	14.03	42.28	15.34	43.18	15.54	44.39	15.68	46.22	16.06	47.76	16.24
	35	36.00	11.88	40.00	15.44	41.58	15.87	42.39	16.07	43.31	16.25	45.77	16.58	46.90	16.81
	37	36.00	13.03	38.75	16.06	40.79	16.42	41.75	16.60	42.62	16.80	44.53	17.19	45.20	17.46
	39	36.00	14.39	37.99	16.61	39.92	16.99	40.73	17.21	41.42	16.84	42.65	15.74	42.33	15.27
	41	36.00	15.89	36.59	16.31	37.77	15.70	38.02	15.07	38.89	14.64	39.03	13.58	39.38	13.01
	43	33.77	15.05	34.19	14.57	34.90	13.44	35.15	13.07	35.55	12.66	36.20	11.67	36.37	11.10
46	29.42	11.62	29.62	11.05	30.41	10.65	30.37	10.12	30.50	9.74	30.95	9.13	31.81	9.22	
48	26.29	9.77	26.48	9.58	26.93	8.98	26.99	8.58	27.23	8.34	28.05	8.00	28.10	7.58	
50	22.68	8.16	23.20	8.07	23.68	7.57	23.59	7.18	24.29	7.23	23.92	6.50	24.68	6.54	
52	19.42	6.87	19.26	6.53	19.66	6.21	20.29	6.24	19.97	5.86	20.33	5.48	21.04	5.49	
55	13.42	4.35	13.95	4.36	13.99	4.03	14.50	4.02	13.92	3.66	15.02	3.62	14.16	3.27	
120%	-15	33.23	3.22	36.92	3.68	44.31	4.51	48.00	5.76	51.69	5.94	56.20	6.75	57.71	7.20
	-10	33.23	3.26	36.92	3.78	44.31	5.45	48.00	6.30	51.69	6.33	56.20	7.19	57.60	7.56
	-5	33.23	3.32	36.92	3.79	44.31	5.55	48.00	6.47	51.69	6.71	55.82	7.62	57.55	7.92
	-2	33.23	3.42	36.92	4.14	44.31	5.62	48.00	6.73	51.69	7.10	55.73	8.05	56.80	8.29
	0	33.23	3.61	36.92	4.27	44.31	5.66	48.00	6.75	51.69	7.49	55.52	8.49	57.21	8.65
	2	33.23	3.62	36.92	4.31	44.31	5.71	48.00	6.79	51.69	7.99	55.47	8.92	56.96	9.14
	4	33.23	3.70	36.92	4.34	44.31	6.04	48.00	6.98	51.69	8.19	55.31	9.28	56.78	9.35
	6	33.23	3.71	36.92	4.36	44.31	6.07	48.00	7.18	51.69	8.48	54.83	9.65	55.87	9.79
	8	33.23	3.82	36.92	4.47	44.31	6.25	48.00	7.49	51.69	9.18	54.17	10.10	55.20	10.24
	10	33.23	3.83	36.92	4.60	44.31	6.63	48.00	8.15	51.69	10.11	53.47	10.54	54.87	10.64
	12	33.23	3.99	36.92	4.85	44.31	7.21	48.00	9.00	50.50	10.76	52.76	10.99	54.16	11.09
	14	33.23	4.25	36.92	5.19	44.31	7.95	48.00	9.85	49.86	11.19	52.03	11.44	53.14	11.58
	17	33.23	4.84	36.92	5.92	44.31	9.09	48.00	11.28	48.84	11.84	50.95	12.11	51.85	12.28
	20	33.23	5.51	36.92	6.71	44.31	10.39	46.75	12.37	47.80	12.49	49.88	12.79	50.70	12.97
	22	33.23	5.97	36.92	7.28	44.31	11.37	46.07	12.81	47.07	12.94	49.15	13.25	50.29	13.40
	25	33.23	6.74	36.92	8.28	44.31	12.97	45.00	13.49	46.02	13.63	48.12	13.93	49.56	14.08
	27	33.23	7.30	36.92	9.00	43.30	13.81	44.30	13.96	45.29	14.09	47.51	14.41	48.33	14.60
	29	33.23	7.85	36.92	9.84	42.61	14.27	43.56	14.43	44.66	14.57	46.42	14.93	47.55	15.11
	31	33.23	8.47	36.92	10.76	41.89	14.76	42.84	14.92	43.80	15.08	45.73	15.43	47.27	15.59
	33	33.23	9.19	36.92	11.75	41.15	15.26	42.18	15.43	42.97	15.62	44.71	16.01	45.76	16.20
	35	33.23	10.04	36.92	12.91	40.38	15.80	41.26	15.98	42.19	16.15	44.46	16.49	45.12	16.73
	37	33.23	11.01	36.92	14.19	39.62	16.35	40.64	16.51	41.58	16.69	43.44	17.09	44.83	17.28
	39	33.23	12.08	36.92	15.67	38.80	16.93	39.78	17.09	40.77	17.07	41.34	16.05	41.96	15.11
	41	33.23	13.34	35.66	16.19	37.01	15.89	37.54	15.31	37.90	14.75	38.30	13.87	38.66	13.31
	43	33.23	14.79	33.49	14.68	34.17	13.57	34.58	13.17	34.65	12.61	35.29	11.62	35.83	11.39
46	28.86	11.75	29.26	11.35	29.87	10.76	30.04	10.40	30.19	10.02	30.70	9.42	31.03	9.19	
48	25.88	9.89	25.93	9.55	26.31	8.95	26.59	8.72	26.62	8.32	27.39	7.98	27.44	7.56	
50	22.40	8.29	22.46	7.91	23.16	7.56	23.06	7.17	23.74	7.22	24.30	6.90	24.25	6.52	
52	19.02	6.86	19.14	6.65	19.25	6.20	19.87	6.23	19.61	5.85	19.85	5.48	20.59	5.49	
55	13.18	4.35	13.70	4.36	13.74	4.03	14.24	4.02	13.68	3.66	14.74	3.63	13.91	3.28	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...



Table2-8.4:14HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		22		23.3		25.8		27		28.2		30.7		32	
		15	16	18	19	20	22	24							
110%	-15	30.46	2.90	33.85	3.33	40.62	4.08	44.00	4.53	47.38	5.65	54.15	8.22	55.51	8.95
	-10	30.46	2.92	33.85	3.45	40.62	4.18	44.00	5.49	47.38	6.17	54.15	8.24	55.53	8.85
	-5	30.46	3.03	33.85	3.49	40.62	4.87	44.00	5.58	47.38	6.36	54.15	8.35	55.54	8.82
	-2	30.46	3.13	33.85	3.52	40.62	4.90	44.00	5.64	47.38	6.59	54.15	8.53	55.28	8.90
	0	30.46	3.19	33.85	3.65	40.62	4.94	44.00	5.65	47.38	6.62	54.15	8.98	54.94	9.13
	2	30.46	3.23	33.85	3.78	40.62	4.97	44.00	5.72	47.38	6.66	54.15	9.11	54.89	9.18
	4	30.46	3.28	33.85	3.79	40.62	4.98	44.00	5.83	47.38	6.87	54.15	9.29	54.78	9.30
	6	30.46	3.30	33.85	3.85	40.62	5.13	44.00	6.01	47.38	7.04	54.15	9.73	54.33	9.67
	8	30.46	3.36	33.85	3.95	40.62	5.28	44.00	6.27	47.38	7.38	52.46	10.02	53.55	10.14
	10	30.46	3.38	33.85	3.96	40.62	5.56	44.00	6.61	47.38	8.04	51.82	10.46	52.79	10.61
	12	30.46	3.45	33.85	4.16	40.62	5.86	44.00	7.23	47.38	8.87	51.16	10.90	52.41	11.01
	14	30.46	3.65	33.85	4.44	40.62	6.45	44.00	7.94	47.38	9.71	50.52	11.34	51.56	11.48
	17	30.46	4.16	33.85	5.06	40.62	7.42	44.00	9.12	47.38	11.13	49.49	12.01	50.77	12.12
	20	30.46	4.74	33.85	5.76	40.62	8.50	44.00	10.44	46.36	12.41	48.46	12.67	49.47	12.84
	22	30.46	5.16	33.85	6.26	40.62	9.30	44.00	11.38	45.70	12.86	47.68	13.15	49.01	13.27
	25	30.46	5.85	33.85	7.05	40.62	10.60	44.00	13.04	44.66	13.53	46.70	13.83	47.55	14.03
	27	30.46	6.32	33.85	7.61	40.62	11.57	43.00	13.86	43.98	14.00	46.11	14.30	46.90	14.49
	29	30.46	6.84	33.85	8.20	40.62	12.64	42.32	14.33	43.25	14.49	45.16	14.83	45.95	15.03
	31	30.46	7.38	33.85	8.90	40.62	13.88	41.60	14.82	42.56	14.97	44.63	15.31	45.27	15.53
	33	30.46	7.95	33.85	9.74	40.62	15.23	40.89	15.33	41.90	15.49	43.66	15.87	44.39	16.09
	35	30.46	8.59	33.85	10.65	39.26	15.70	40.15	15.87	41.07	16.03	42.84	16.42	43.89	16.59
	37	30.46	9.27	33.85	11.69	38.52	16.25	39.43	16.41	40.40	16.57	42.16	16.98	42.88	17.21
	39	30.46	10.08	33.85	12.84	37.80	16.80	38.75	16.98	39.64	17.16	40.65	16.08	41.49	15.91
	41	30.46	11.04	33.85	14.20	36.32	16.27	36.71	15.60	36.94	15.15	37.97	13.90	38.01	13.77
	43	30.46	12.22	32.84	14.96	33.52	13.85	34.12	13.43	34.20	12.88	34.66	11.92	35.05	11.51
	46	28.32	11.91	28.72	11.46	29.39	10.68	29.47	10.51	29.63	10.14	29.92	9.38	30.24	9.15
	48	25.23	9.96	25.47	9.68	25.88	9.08	26.37	9.00	26.42	8.60	26.72	7.95	27.49	8.02
	50	21.90	8.28	22.16	8.04	22.85	7.70	22.81	7.29	23.18	7.20	23.73	6.89	23.56	6.52
52	18.86	6.98	18.99	6.77	19.69	6.58	19.43	6.22	19.18	5.84	19.41	5.48	20.07	5.49	
55	12.95	4.35	13.45	4.36	13.49	4.03	13.97	4.02	13.43	3.67	14.46	3.63	15.02	3.61	
100%	-15	27.69	3.48	30.77	3.80	36.92	4.47	40.00	4.78	43.08	5.36	49.23	6.21	55.38	9.14
	-10	27.69	3.48	30.77	3.80	36.92	4.51	40.00	4.97	43.08	5.60	49.23	7.17	55.38	9.25
	-5	27.69	3.48	30.77	3.80	36.92	4.67	40.00	5.12	43.08	5.91	49.23	7.33	55.38	9.48
	-2	27.69	3.49	30.77	3.82	36.92	4.75	40.00	5.18	43.08	6.02	49.23	7.44	55.38	9.91
	0	27.69	3.49	30.77	4.03	36.92	4.89	40.00	5.32	43.08	6.07	49.23	7.61	55.38	9.93
	2	27.69	3.52	30.77	4.06	36.92	4.92	40.00	5.51	43.08	6.21	49.23	7.80	55.38	10.43
	4	27.69	3.62	30.77	4.08	36.92	5.12	40.00	5.61	43.08	6.40	49.23	8.08	55.38	10.66
	6	27.69	3.77	30.77	4.22	36.92	5.21	40.00	5.83	43.08	6.61	49.23	8.38	55.38	11.07
	8	27.69	3.82	30.77	4.32	36.92	5.41	40.00	6.07	43.08	6.88	49.23	8.78	55.38	11.54
	10	27.69	3.97	30.77	4.48	36.92	5.59	40.00	6.32	43.08	7.28	49.23	9.14	55.38	12.36
	12	27.69	4.14	30.77	4.69	36.92	5.94	40.00	6.74	43.08	7.68	49.23	9.79	55.38	13.41
	14	27.69	4.36	30.77	4.98	36.92	6.36	40.00	7.26	43.08	8.30	49.23	10.64	55.38	14.50
	17	27.69	4.97	30.77	5.71	36.92	7.19	40.00	8.17	43.08	9.33	49.23	11.97	55.38	16.37
	20	27.69	5.84	30.77	6.47	36.92	7.96	40.00	9.13	43.08	10.46	49.23	13.38	55.38	18.39
	22	27.69	6.21	30.77	6.89	36.92	8.60	40.00	9.85	43.08	11.24	49.23	14.43	55.38	19.85
	25	27.69	6.82	30.77	7.58	36.92	9.59	40.00	11.01	43.08	12.53	49.23	16.17	55.38	22.05
	27	27.69	7.25	30.77	8.08	36.92	10.33	40.00	11.85	43.08	13.48	49.23	17.51	53.22	22.89
	29	27.69	7.71	30.77	8.60	36.92	11.11	40.00	12.71	43.08	14.46	49.23	18.90	52.42	23.63
	31	27.69	8.21	30.77	9.16	36.92	11.96	40.00	13.65	43.08	15.53	49.23	20.57	51.67	24.37
	33	27.69	8.73	30.77	9.76	36.92	12.82	40.00	14.66	43.08	16.68	49.23	22.40	50.86	25.16
	35	27.69	9.30	30.77	10.41	36.92	13.81	40.00	15.75	43.08	18.09	49.23	24.43	50.03	25.99
	37	27.69	9.89	30.77	11.20	36.92	14.81	40.00	16.94	43.08	19.69	47.35	26.52	49.77	26.78
	39	27.69	10.53	30.77	12.02	36.92	15.95	40.00	18.30	42.08	21.45	45.35	26.52	47.73	25.73
	41	27.69	11.22	30.77	12.94	36.92	17.15	38.10	19.91	40.35	23.51	43.93	22.99	44.51	22.04
	43	27.69	11.98	30.77	13.92	36.92	18.50	37.00	21.79	37.91	21.20	40.47	19.51	40.89	18.93
	46	27.69	13.35	30.77	15.54	33.96	17.71	34.28	17.21	34.47	16.61	34.86	15.64	35.47	15.51
	48	27.69	14.38	29.75	15.99	30.20	14.94	30.41	14.56	30.71	14.17	31.30	13.35	31.58	12.98
	50	25.70	13.75	25.96	13.29	26.31	12.58	26.74	12.43	26.85	12.07	27.05	11.33	27.85	11.38
52	21.65	11.54	21.74	11.19	22.45	10.87	22.80	10.69	22.38	10.09	23.02	9.71	23.77	9.72	
55	15.30	8.59	15.54	8.42	15.60	7.89	16.13	7.89	15.53	7.31	16.67	7.26	15.95	6.68	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.4:14HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		22		23.3		25.8		27		28.2		30.7		32	
		15	16	18	19	20	22	24							
		KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	
90%	-15	24.92	3.12	27.69	3.43	33.23	4.06	36.00	4.34	38.77	4.66	44.31	5.47	49.85	6.37
	-10	24.92	3.13	27.69	3.45	33.23	4.06	36.00	4.35	38.77	4.85	44.31	5.64	49.85	7.16
	-5	24.92	3.14	27.69	3.47	33.23	4.07	36.00	4.49	38.77	4.87	44.31	5.65	49.85	7.73
	-2	24.92	3.15	27.69	3.47	33.23	4.14	36.00	4.55	38.77	5.01	44.31	5.82	49.85	7.85
	0	24.92	3.16	27.69	3.48	33.23	4.28	36.00	4.65	38.77	5.01	44.31	6.09	49.85	7.90
	2	24.92	3.18	27.69	3.49	33.23	4.32	36.00	4.67	38.77	5.06	44.31	6.21	49.85	8.06
	4	24.92	3.19	27.69	3.61	33.23	4.39	36.00	4.70	38.77	5.22	44.31	6.39	49.85	8.50
	6	24.92	3.21	27.69	3.63	33.23	4.43	36.00	4.92	38.77	5.38	44.31	6.61	49.85	8.76
	8	24.92	3.28	27.69	3.69	33.23	4.53	36.00	5.01	38.77	5.55	44.31	6.90	49.85	8.95
	10	24.92	3.39	27.69	3.82	33.23	4.77	36.00	5.27	38.77	5.80	44.31	7.25	49.85	9.49
	12	24.92	3.55	27.69	4.01	33.23	5.00	36.00	5.56	38.77	6.16	44.31	7.71	49.85	10.21
	14	24.92	3.73	27.69	4.23	33.23	5.37	36.00	5.99	38.77	6.63	44.31	8.35	49.85	11.03
	17	24.92	4.20	27.69	4.85	33.23	6.21	36.00	6.80	38.77	7.48	44.31	9.37	49.85	12.40
	20	24.92	5.23	27.69	5.71	33.23	6.84	36.00	7.50	38.77	8.37	44.31	10.56	49.85	13.89
	22	24.92	5.55	27.69	6.08	33.23	7.31	36.00	8.02	38.77	9.03	44.31	11.40	49.85	14.99
	25	24.92	6.07	27.69	6.67	33.23	8.06	36.00	8.94	38.77	10.09	44.31	12.70	49.85	16.84
	27	24.92	6.45	27.69	7.10	33.23	8.61	36.00	9.61	38.77	10.91	44.31	13.67	49.85	18.21
	29	24.92	6.85	27.69	7.55	33.23	9.18	36.00	10.36	38.77	11.71	44.31	14.67	49.85	19.74
	31	24.92	7.28	27.69	8.04	33.23	9.83	36.00	11.17	38.77	12.59	44.31	15.75	49.85	21.37
	33	24.92	7.73	27.69	8.56	33.23	10.55	36.00	11.99	38.77	13.53	44.31	17.00	49.85	23.19
	35	24.92	8.22	27.69	9.11	33.23	11.35	36.00	12.90	38.77	14.56	44.31	18.38	49.85	25.04
	37	24.92	8.74	27.69	9.70	33.23	12.22	36.00	13.85	38.77	15.62	44.31	20.05	48.57	26.51
	39	24.92	9.29	27.69	10.33	33.23	13.13	36.00	14.90	38.77	16.82	44.31	21.93	47.41	26.51
	41	24.92	9.89	27.69	11.01	33.23	14.15	36.00	16.05	38.77	18.14	44.31	24.04	44.00	22.94
	43	24.92	10.51	27.69	11.71	33.23	15.23	36.00	17.27	38.77	19.71	40.29	20.26	40.64	19.53
46	24.92	11.55	27.69	13.04	33.23	17.05	34.11	17.64	34.33	17.08	34.71	16.04	35.12	15.67	
48	24.92	12.30	27.69	14.05	30.11	15.33	30.34	14.85	30.70	14.46	31.06	13.55	31.05	12.92	
50	24.92	13.13	25.85	13.55	26.21	12.75	26.33	12.40	26.76	12.24	27.32	11.73	27.43	11.35	
52	21.66	11.72	21.78	11.37	22.50	11.05	22.14	10.48	22.80	10.51	23.09	9.93	23.45	9.73	
55	15.49	8.76	15.41	8.42	15.47	7.89	16.00	7.89	16.53	7.89	16.52	7.27	15.81	6.70	
80%	-15	22.15	2.83	24.62	3.08	29.54	3.63	32.00	3.90	34.46	4.16	39.38	4.67	44.31	5.45
	-10	22.15	2.83	24.62	3.09	29.54	3.64	32.00	3.91	34.46	4.16	39.38	4.78	44.31	5.68
	-5	22.15	2.83	24.62	3.09	29.54	3.64	32.00	3.91	34.46	4.20	39.38	4.91	44.31	5.72
	-2	22.15	2.84	24.62	3.10	29.54	3.65	32.00	3.92	34.46	4.24	39.38	4.92	44.31	5.85
	0	22.15	2.85	24.62	3.11	29.54	3.66	32.00	4.02	34.46	4.27	39.38	4.96	44.31	6.27
	2	22.15	2.86	24.62	3.11	29.54	3.68	32.00	4.07	34.46	4.36	39.38	5.13	44.31	6.29
	4	22.15	2.87	24.62	3.13	29.54	3.81	32.00	4.08	34.46	4.42	39.38	5.14	44.31	6.46
	6	22.15	2.88	24.62	3.18	29.54	3.83	32.00	4.22	34.46	4.60	39.38	5.27	44.31	6.68
	8	22.15	2.89	24.62	3.22	29.54	3.84	32.00	4.24	34.46	4.64	39.38	5.38	44.31	6.97
	10	22.15	2.92	24.62	3.27	29.54	3.97	32.00	4.38	34.46	4.80	39.38	5.68	44.31	7.33
	12	22.15	2.96	24.62	3.35	29.54	4.15	32.00	4.59	34.46	5.10	39.38	6.03	44.31	7.79
	14	22.15	3.15	24.62	3.56	29.54	4.43	32.00	4.93	34.46	5.45	39.38	6.56	44.31	8.41
	17	22.15	3.53	24.62	4.01	29.54	5.10	32.00	5.72	34.46	6.28	39.38	7.31	44.31	9.45
	20	22.15	4.29	24.62	5.05	29.54	5.91	32.00	6.40	34.46	6.94	39.38	8.18	44.31	10.62
	22	22.15	4.94	24.62	5.35	29.54	6.30	32.00	6.84	34.46	7.40	39.38	8.87	44.31	11.44
	25	22.15	5.39	24.62	5.87	29.54	6.92	32.00	7.53	34.46	8.18	39.38	9.91	44.31	12.76
	27	22.15	5.72	24.62	6.23	29.54	7.39	32.00	8.04	34.46	8.74	39.38	10.69	44.31	13.73
	29	22.15	6.07	24.62	6.63	29.54	7.87	32.00	8.58	34.46	9.33	39.38	11.55	44.31	14.79
	31	22.15	6.43	24.62	7.04	29.54	8.39	32.00	9.14	34.46	10.05	39.38	12.44	44.31	15.87
	33	22.15	6.82	24.62	7.48	29.54	8.94	32.00	9.76	34.46	10.83	39.38	13.36	44.31	17.13
	35	22.15	7.25	24.62	7.94	29.54	9.53	32.00	10.42	34.46	11.64	39.38	14.35	44.31	18.59
	37	22.15	7.70	24.62	8.45	29.54	10.16	32.00	11.21	34.46	12.55	39.38	15.47	44.31	20.25
	39	22.15	8.17	24.62	8.99	29.54	10.83	32.00	12.08	34.46	13.51	39.38	16.61	44.31	22.06
	41	22.15	8.67	24.62	9.57	29.54	11.54	32.00	12.95	34.46	14.51	39.38	17.95	44.31	24.20
	43	22.15	9.22	24.62	10.17	29.54	12.42	32.00	13.94	34.46	15.62	39.38	19.43	40.30	20.40
46	22.15	10.11	24.62	11.18	29.54	13.89	32.00	15.61	34.46	17.54	34.64	16.51	34.79	16.05	
48	22.15	10.75	24.62	11.90	29.54	14.98	30.22	15.29	30.53	14.86	30.91	13.97	30.96	13.31	
50	22.15	11.45	24.62	12.70	26.14	13.01	26.28	12.67	26.55	12.42	26.80	11.69	26.91	11.32	
52	21.59	11.87	21.72	11.54	22.14	11.03	22.46	10.87	22.77	10.70	23.08	10.12	22.67	9.48	
55	15.02	8.58	15.56	8.60	15.64	8.08	15.81	7.89	16.34	7.89	16.32	7.29	16.91	7.26	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.4:14HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		22		23.3		25.8		27		28.2		30.7		32	
		15	16	18	19	20	22	24							
		KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	
70%	-15	19.38	2.49	21.54	2.72	25.85	3.19	28.00	3.45	30.15	3.66	34.46	4.14	38.77	4.63
	-10	19.38	2.49	21.54	2.73	25.85	3.21	28.00	3.45	30.15	3.67	34.46	4.15	38.77	4.64
	-5	19.38	2.50	21.54	2.73	25.85	3.21	28.00	3.45	30.15	3.68	34.46	4.17	38.77	4.77
	-2	19.38	2.50	21.54	2.75	25.85	3.21	28.00	3.47	30.15	3.69	34.46	4.18	38.77	4.79
	0	19.38	2.50	21.54	2.75	25.85	3.22	28.00	3.48	30.15	3.72	34.46	4.24	38.77	4.81
	2	19.38	2.50	21.54	2.75	25.85	3.22	28.00	3.49	30.15	3.76	34.46	4.33	38.77	4.97
	4	19.38	2.51	21.54	2.75	25.85	3.23	28.00	3.57	30.15	3.82	34.46	4.35	38.77	5.11
	6	19.38	2.53	21.54	2.77	25.85	3.31	28.00	3.58	30.15	3.83	34.46	4.49	38.77	5.13
	8	19.38	2.53	21.54	2.78	25.85	3.40	28.00	3.63	30.15	3.97	34.46	4.55	38.77	5.35
	10	19.38	2.53	21.54	2.80	25.85	3.41	28.00	3.72	30.15	3.98	34.46	4.64	38.77	5.56
	12	19.38	2.54	21.54	2.83	25.85	3.48	28.00	3.80	30.15	4.12	34.46	4.95	38.77	5.92
	14	19.38	2.55	21.54	2.90	25.85	3.64	28.00	4.04	30.15	4.39	34.46	5.31	38.77	6.39
	17	19.38	2.87	21.54	3.27	25.85	4.12	28.00	4.60	30.15	5.15	34.46	6.02	38.77	7.18
	20	19.38	3.48	21.54	4.06	25.85	5.09	28.00	5.45	30.15	5.84	34.46	6.67	38.77	8.00
	22	19.38	4.39	21.54	4.71	25.85	5.41	28.00	5.82	30.15	6.22	34.46	7.13	38.77	8.64
	25	19.38	4.78	21.54	5.14	25.85	5.94	28.00	6.40	30.15	6.87	34.46	7.88	38.77	9.70
	27	19.38	5.06	21.54	5.45	25.85	6.32	28.00	6.82	30.15	7.33	34.46	8.43	38.77	10.44
	29	19.38	5.36	21.54	5.79	25.85	6.73	28.00	7.26	30.15	7.82	34.46	9.00	38.77	11.27
	31	19.38	5.67	21.54	6.14	25.85	7.17	28.00	7.73	30.15	8.33	34.46	9.62	38.77	12.11
	33	19.38	6.01	21.54	6.51	25.85	7.62	28.00	8.24	30.15	8.89	34.46	10.33	38.77	13.04
	35	19.38	6.37	21.54	6.91	25.85	8.11	28.00	8.78	30.15	9.48	34.46	11.15	38.77	14.02
	37	19.38	6.74	21.54	7.33	25.85	8.63	28.00	9.35	30.15	10.12	34.46	12.02	38.77	15.10
	39	19.38	7.15	21.54	7.78	25.85	9.19	28.00	9.97	30.15	10.78	34.46	12.93	38.77	16.23
	41	19.38	7.59	21.54	8.27	25.85	9.79	28.00	10.62	30.15	11.51	34.46	13.92	38.77	17.49
	43	19.38	8.04	21.54	8.79	25.85	10.42	28.00	11.32	30.15	12.36	34.46	15.03	38.77	18.88
46	19.38	8.80	21.54	9.63	25.85	11.47	28.00	12.48	30.15	13.83	34.46	16.83	34.60	16.59	
48	19.38	9.35	21.54	10.25	25.85	12.22	28.00	13.44	30.15	14.92	30.65	14.38	30.94	13.83	
50	19.38	9.94	21.54	10.91	25.85	13.05	26.23	13.00	26.47	12.77	26.76	12.07	26.90	11.69	
52	19.38	10.56	21.54	11.62	21.97	11.20	22.14	10.94	22.29	10.67	22.58	10.10	22.91	9.91	
55	15.11	8.74	15.34	8.58	15.73	8.26	15.90	8.08	15.72	7.71	16.07	7.30	16.63	7.28	
60%	-15	16.62	2.00	18.46	2.26	22.15	2.77	24.00	2.97	25.85	3.16	29.54	3.58	33.23	3.99
	-10	16.62	2.15	18.46	2.39	22.15	2.77	24.00	2.98	25.85	3.18	29.54	3.60	33.23	4.00
	-5	16.62	2.16	18.46	2.39	22.15	2.79	24.00	3.00	25.85	3.22	29.54	3.60	33.23	4.03
	-2	16.62	2.17	18.46	2.39	22.15	2.81	24.00	3.00	25.85	3.22	29.54	3.60	33.23	4.05
	0	16.62	2.18	18.46	2.40	22.15	2.83	24.00	3.02	25.85	3.25	29.54	3.61	33.23	4.07
	2	16.62	2.18	18.46	2.40	22.15	2.83	24.00	3.04	25.85	3.28	29.54	3.66	33.23	4.14
	4	16.62	2.18	18.46	2.40	22.15	2.83	24.00	3.07	25.85	3.30	29.54	3.71	33.23	4.22
	6	16.62	2.19	18.46	2.41	22.15	2.84	24.00	3.08	25.85	3.32	29.54	3.79	33.23	4.30
	8	16.62	2.19	18.46	2.42	22.15	2.87	24.00	3.10	25.85	3.34	29.54	3.85	33.23	4.40
	10	16.62	2.20	18.46	2.42	22.15	2.87	24.00	3.12	25.85	3.41	29.54	3.98	33.23	4.42
	12	16.62	2.23	18.46	2.44	22.15	2.89	24.00	3.13	25.85	3.45	29.54	4.05	33.23	4.70
	14	16.62	2.25	18.46	2.46	22.15	2.96	24.00	3.31	25.85	3.65	29.54	4.35	33.23	5.04
	17	16.62	2.29	18.46	2.58	22.15	3.35	24.00	3.75	25.85	4.16	29.54	4.98	33.23	5.84
	20	16.62	2.69	18.46	3.03	22.15	4.18	24.00	4.71	25.85	4.96	29.54	5.46	33.23	6.40
	22	16.62	3.06	18.46	3.86	22.15	4.63	24.00	4.91	25.85	5.21	29.54	5.83	33.23	6.83
	25	16.62	3.74	18.46	4.32	22.15	5.07	24.00	5.40	25.85	5.74	29.54	6.44	33.23	7.55
	27	16.62	4.06	18.46	4.61	22.15	5.39	24.00	5.75	25.85	6.11	29.54	6.88	33.23	8.05
	29	16.62	4.36	18.46	4.89	22.15	5.73	24.00	6.11	25.85	6.52	29.54	7.34	33.23	8.61
	31	16.62	4.64	18.46	5.33	22.15	6.08	24.00	6.51	25.85	6.94	29.54	7.85	33.23	9.20
	33	16.62	5.06	18.46	5.65	22.15	6.47	24.00	6.92	25.85	7.38	29.54	8.36	33.23	9.83
	35	16.62	5.32	18.46	5.98	22.15	6.87	24.00	7.36	25.85	7.87	29.54	8.92	33.23	10.48
	37	16.62	5.63	18.46	6.33	22.15	7.31	24.00	7.83	25.85	8.37	29.54	9.52	33.23	11.31
	39	16.62	5.97	18.46	6.71	22.15	7.76	24.00	8.33	25.85	8.93	29.54	10.17	33.23	12.17
	41	16.62	6.33	18.46	7.11	22.15	8.25	24.00	8.87	25.85	9.49	29.54	10.85	33.23	13.13
	43	16.62	6.85	18.46	7.55	22.15	8.76	24.00	9.43	25.85	10.13	29.54	11.58	33.23	14.14
46	16.62	7.62	18.46	8.25	22.15	9.62	24.00	10.37	25.85	11.15	29.54	12.81	33.23	15.84	
48	16.62	7.95	18.46	8.76	22.15	10.24	24.00	11.04	25.85	11.89	29.54	13.84	30.61	14.57	
50	16.62	8.56	18.46	9.31	22.15	10.91	24.00	11.77	25.85	12.69	26.56	12.45	26.77	12.16	
52	16.62	9.09	18.46	9.89	22.15	11.62	22.00	11.22	22.11	10.94	22.61	10.49	22.60	10.11	
55	14.94	8.82	15.03	8.57	15.42	8.25	15.57	8.08	15.73	7.90	16.07	7.51	16.26	7.30	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.4:14HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		22		23.3		25.8		27		28.2		30.7		32	
		15	16	18	19	20	22	24							
		KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW
50%	-15	13.85	1.68	15.38	1.89	18.46	2.34	20.00	2.52	21.54	2.68	24.62	3.01	27.69	3.34
	-10	13.85	1.83	15.38	2.01	18.46	2.34	20.00	2.52	21.54	2.70	24.62	3.03	27.69	3.38
	-5	13.85	1.84	15.38	2.02	18.46	2.36	20.00	2.55	21.54	2.70	24.62	3.05	27.69	3.40
	-2	13.85	1.84	15.38	2.02	18.46	2.39	20.00	2.55	21.54	2.72	24.62	3.06	27.69	3.41
	0	13.85	1.84	15.38	2.02	18.46	2.39	20.00	2.56	21.54	2.74	24.62	3.07	27.69	3.42
	2	13.85	1.84	15.38	2.02	18.46	2.40	20.00	2.57	21.54	2.76	24.62	3.12	27.69	3.45
	4	13.85	1.85	15.38	2.03	18.46	2.40	20.00	2.58	21.54	2.78	24.62	3.15	27.69	3.52
	6	13.85	1.85	15.38	2.04	18.46	2.40	20.00	2.59	21.54	2.78	24.62	3.18	27.69	3.52
	8	13.85	1.85	15.38	2.05	18.46	2.41	20.00	2.61	21.54	2.78	24.62	3.24	27.69	3.59
	10	13.85	1.86	15.38	2.05	18.46	2.41	20.00	2.62	21.54	2.80	24.62	3.25	27.69	3.61
	12	13.85	1.86	15.38	2.07	18.46	2.42	20.00	2.63	21.54	2.86	24.62	3.30	27.69	3.77
	14	13.85	1.89	15.38	2.08	18.46	2.43	20.00	2.68	21.54	2.96	24.62	3.46	27.69	4.03
	17	13.85	1.89	15.38	2.10	18.46	2.67	20.00	2.97	21.54	3.31	24.62	4.05	27.69	4.62
	20	13.85	2.01	15.38	2.52	18.46	3.27	20.00	3.69	21.54	4.16	24.62	4.69	27.69	5.17
	22	13.85	2.21	15.38	2.61	18.46	4.01	20.00	4.21	21.54	4.41	24.62	4.79	27.69	5.44
	25	13.85	2.76	15.38	3.08	18.46	4.10	20.00	4.53	21.54	4.77	24.62	5.23	27.69	6.00
	27	13.85	3.20	15.38	3.48	18.46	4.42	20.00	4.82	21.54	5.06	24.62	5.57	27.69	6.41
	29	13.85	3.58	15.38	3.82	18.46	4.72	20.00	5.12	21.54	5.38	24.62	5.95	27.69	6.84
	31	13.85	3.91	15.38	4.13	18.46	5.00	20.00	5.43	21.54	5.73	24.62	6.34	27.69	7.29
	33	13.85	4.21	15.38	4.51	18.46	5.45	20.00	5.76	21.54	6.10	24.62	6.76	27.69	7.77
35	13.85	4.48	15.38	4.79	18.46	5.78	20.00	6.12	21.54	6.48	24.62	7.20	27.69	8.30	
37	13.85	4.75	15.38	5.06	18.46	6.13	20.00	6.50	21.54	6.89	24.62	7.67	27.69	8.84	
39	13.85	5.01	15.38	5.35	18.46	6.50	20.00	6.90	21.54	7.32	24.62	8.18	27.69	9.43	
41	13.85	5.29	15.38	5.75	18.46	6.89	20.00	7.33	21.54	7.78	24.62	8.70	27.69	10.04	
43	13.85	5.58	15.38	6.06	18.46	7.32	20.00	7.79	21.54	8.27	24.62	9.27	27.69	10.72	
46	13.85	6.04	15.38	6.64	18.46	8.00	20.00	8.53	21.54	9.08	24.62	10.21	27.69	11.83	
48	13.85	6.39	15.38	7.06	18.46	8.50	20.00	9.08	21.54	9.66	24.62	10.88	27.69	12.62	
50	13.85	7.32	15.38	7.87	18.46	9.03	20.00	9.65	21.54	10.29	24.62	11.62	26.49	12.68	
52	13.85	7.75	15.38	8.35	18.46	9.60	20.00	10.29	21.54	10.97	22.25	10.79	22.51	10.59	
55	13.85	8.37	15.02	8.81	15.27	8.42	15.42	8.25	15.60	8.07	15.92	7.71	16.10	7.51	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table2-8.5:16HP cooling capacity

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		22		23.3		25.8		27		28.2		30.7		32	
		15	16	18	19	20	22	24							
130%	-15	40.50	4.30	45.00	4.79	54.00	5.93	58.50	6.58	63.00	7.26	72.00	9.47	74.12	11.20
	-10	40.50	4.33	45.00	4.89	54.00	6.06	58.50	6.79	63.00	7.48	72.00	10.98	73.65	11.37
	-5	40.50	4.41	45.00	5.03	54.00	6.15	58.50	7.64	63.00	8.78	72.00	11.45	73.35	11.42
	-2	40.50	4.44	45.00	5.05	54.00	6.93	58.50	7.94	63.00	8.94	72.00	11.56	73.05	11.72
	0	40.50	4.54	45.00	5.20	54.00	6.94	58.50	8.07	63.00	9.11	72.00	11.88	72.74	11.84
	2	40.50	4.77	45.00	5.32	54.00	7.08	58.50	8.10	63.00	9.31	72.00	12.17	72.21	12.11
	4	40.50	4.80	45.00	5.36	54.00	7.09	58.50	8.34	63.00	9.37	72.00	12.29	71.98	12.42
	6	40.50	4.81	45.00	5.41	54.00	7.25	58.50	8.38	63.00	9.75	70.02	12.84	71.34	13.00
	8	40.50	4.86	45.00	5.54	54.00	7.54	58.50	8.77	63.00	10.35	69.17	13.47	70.44	13.62
	10	40.50	4.90	45.00	5.59	54.00	7.94	58.50	9.44	63.00	11.36	68.30	14.08	69.74	14.23
	12	40.50	4.99	45.00	5.91	54.00	8.60	58.50	10.36	63.00	12.47	67.47	14.68	68.73	14.84
	14	40.50	5.32	45.00	6.44	54.00	9.41	58.50	11.29	63.00	13.61	66.69	15.26	67.98	15.42
	17	40.50	6.07	45.00	7.35	54.00	10.70	58.50	12.83	63.00	15.43	65.32	16.16	66.72	16.35
	20	40.50	6.83	45.00	8.38	54.00	12.07	58.50	14.49	61.21	16.73	64.07	17.07	65.23	17.25
	22	40.50	7.43	45.00	9.09	54.00	13.06	58.50	15.78	60.39	17.32	63.29	17.66	64.41	17.89
	25	40.50	8.46	45.00	10.27	54.00	14.78	58.50	17.88	59.13	18.23	61.85	18.58	63.17	18.82
	27	40.50	9.20	45.00	11.11	54.00	16.04	56.92	18.67	58.26	18.85	60.94	19.22	61.89	19.48
	29	40.50	9.95	45.00	12.03	54.00	17.42	56.06	19.31	57.29	19.51	60.06	19.90	61.07	20.14
	31	40.50	10.77	45.00	12.97	54.00	18.97	55.12	19.97	56.40	20.17	59.12	20.58	59.99	20.84
	33	40.50	11.63	45.00	13.99	54.00	20.69	54.21	20.64	55.50	20.80	58.02	21.31	59.13	21.54
	35	40.50	12.59	45.00	15.12	52.09	21.13	53.31	21.34	54.55	21.51	57.30	22.00	58.13	22.28
	37	40.50	13.57	45.00	16.32	51.16	21.85	52.39	22.08	53.61	22.29	56.00	22.78	57.32	23.05
	39	40.50	14.69	45.00	17.72	50.23	22.60	51.46	22.81	52.59	23.02	55.39	23.19	55.91	22.62
	41	40.50	15.82	45.00	19.39	48.85	22.75	49.28	21.86	49.83	20.87	50.47	19.58	50.98	18.64
	43	40.50	17.18	45.00	21.38	44.95	19.34	45.68	18.77	46.04	18.15	46.11	17.00	46.44	16.39
	46	37.60	16.91	37.89	16.28	38.65	15.45	38.76	14.81	39.47	14.67	39.71	13.37	39.81	12.67
	48	33.28	14.21	33.48	13.71	34.54	13.15	34.54	12.49	34.41	11.87	35.60	11.57	35.37	10.95
	50	28.92	11.90	29.15	11.53	29.43	10.80	29.89	10.65	30.34	10.47	30.91	9.91	30.46	9.24
52	24.49	10.14	24.14	9.54	25.34	9.40	24.77	8.79	25.59	8.78	25.78	8.14	25.09	7.41	
55	16.16	7.26	16.80	7.27	16.76	6.65	17.38	6.63	18.01	6.61	17.77	5.97	18.47	5.93	
120%	-15	37.38	4.05	41.54	4.47	49.85	5.56	54.00	6.12	58.15	6.66	66.46	7.77	71.75	11.02
	-10	37.38	4.07	41.54	4.49	49.85	5.62	54.00	6.18	58.15	6.75	66.46	9.59	70.84	11.64
	-5	37.38	4.10	41.54	4.58	49.85	5.80	54.00	6.36	58.15	7.81	66.46	9.89	70.60	11.59
	-2	37.38	4.21	41.54	4.68	49.85	5.98	54.00	7.15	58.15	8.03	66.46	10.13	70.44	11.64
	0	37.38	4.24	41.54	4.76	49.85	6.24	54.00	7.19	58.15	8.10	66.46	10.35	70.36	11.71
	2	37.38	4.30	41.54	4.93	49.85	6.27	54.00	7.21	58.15	8.16	66.46	10.51	70.06	11.96
	4	37.38	4.39	41.54	4.99	49.85	6.44	54.00	7.32	58.15	8.18	66.46	10.61	69.92	12.26
	6	37.38	4.44	41.54	5.00	49.85	6.52	54.00	7.38	58.15	8.52	66.46	11.15	69.14	12.89
	8	37.38	4.48	41.54	5.00	49.85	6.64	54.00	7.65	58.15	8.83	66.46	12.27	68.09	13.54
	10	37.38	4.50	41.54	5.05	49.85	6.89	54.00	8.06	58.15	9.58	66.46	13.45	67.80	14.06
	12	37.38	4.56	41.54	5.23	49.85	7.41	54.00	8.83	58.15	10.46	66.46	14.66	67.05	14.66
	14	37.38	4.78	41.54	5.63	49.85	8.11	54.00	9.68	58.15	11.45	64.53	15.15	65.71	15.31
	17	37.38	5.52	41.54	6.40	49.85	9.26	54.00	10.97	58.15	13.01	63.27	16.04	64.80	16.18
	20	37.38	6.19	41.54	7.31	49.85	10.50	54.00	12.37	58.15	14.74	62.04	16.93	63.48	17.08
	22	37.38	6.69	41.54	7.96	49.85	11.33	54.00	13.40	58.15	16.03	61.23	17.53	62.65	17.71
	25	37.38	7.50	41.54	9.03	49.85	12.75	54.00	15.17	58.15	18.11	59.82	18.48	60.93	18.67
	27	37.38	8.09	41.54	9.79	49.85	13.78	54.00	16.45	56.42	18.73	58.98	19.12	60.13	19.35
	29	37.38	8.81	41.54	10.59	49.85	14.85	54.00	17.85	55.53	19.36	58.15	19.73	59.24	20.01
	31	37.38	9.53	41.54	11.47	49.85	16.20	54.00	19.55	54.70	20.03	57.26	20.44	58.37	20.65
	33	37.38	10.32	41.54	12.35	49.85	17.58	52.65	20.46	53.82	20.71	56.32	21.10	57.19	21.39
	35	37.38	11.19	41.54	13.35	49.85	19.17	51.70	21.20	52.90	21.41	55.32	21.83	56.91	22.10
	37	37.38	12.10	41.54	14.45	49.85	21.03	50.83	21.93	51.96	22.16	54.47	22.61	55.27	22.89
	39	37.38	13.05	41.54	15.62	48.70	22.47	49.88	22.68	51.07	22.91	53.58	23.38	54.25	22.77
	41	37.38	14.14	41.54	16.87	47.83	23.25	48.23	22.43	48.65	21.51	50.10	20.30	49.64	19.40
	43	37.38	15.29	41.54	18.28	44.03	19.73	44.40	18.99	44.75	18.61	45.55	17.68	45.64	16.82
	46	37.38	17.22	37.23	16.58	37.87	15.64	38.02	15.02	38.68	14.87	38.93	13.57	39.37	13.17
	48	32.66	14.40	32.95	13.91	33.93	13.36	33.95	12.70	33.87	12.06	34.28	11.32	34.44	10.93
	50	28.20	11.87	28.43	11.52	29.08	11.00	29.55	10.84	29.17	10.24	30.10	9.87	29.69	9.23
52	23.54	9.92	23.95	9.77	24.73	9.41	24.19	8.78	24.96	8.80	25.17	8.14	26.03	8.15	
55	17.02	7.85	16.47	7.27	16.43	6.65	17.03	6.64	17.64	6.62	17.41	5.98	18.09	5.94	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.5:16HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		22		23.3		25.8		27		28.2		30.7		32	
		15	16	18	19	20	22	24							
110%	-15	34.27	3.80	38.08	4.17	45.69	5.01	49.50	5.62	53.31	6.09	60.92	7.13	68.54	9.15
	-10	34.27	3.80	38.08	4.19	45.69	5.09	49.50	5.68	53.31	6.21	60.92	7.19	68.54	11.32
	-5	34.27	3.82	38.08	4.21	45.69	5.25	49.50	5.84	53.31	6.41	60.92	8.67	68.54	11.35
	-2	34.27	3.85	38.08	4.30	45.69	5.50	49.50	6.00	53.31	7.08	60.92	8.69	68.54	11.58
	0	34.27	3.89	38.08	4.43	45.69	5.56	49.50	6.31	53.31	7.14	60.92	8.82	68.54	11.65
	2	34.27	4.02	38.08	4.48	45.69	5.56	49.50	6.32	53.31	7.15	60.92	8.99	68.54	12.00
	4	34.27	4.05	38.08	4.55	45.69	5.59	49.50	6.41	53.31	7.28	60.92	9.21	68.54	12.52
	6	34.27	4.10	38.08	4.56	45.69	5.68	49.50	6.41	53.31	7.35	60.92	9.38	66.65	12.78
	8	34.27	4.15	38.08	4.62	45.69	5.75	49.50	6.68	53.31	7.55	60.92	9.97	65.97	13.38
	10	34.27	4.16	38.08	4.64	45.69	5.93	49.50	6.97	53.31	8.01	60.92	10.96	65.19	13.98
	12	34.27	4.18	38.08	4.71	45.69	6.31	49.50	7.44	53.31	8.79	60.92	11.97	64.35	14.58
	14	34.27	4.28	38.08	4.99	45.69	6.87	49.50	8.16	53.31	9.59	60.92	13.12	63.68	15.16
	17	34.27	4.98	38.08	5.70	45.69	7.87	49.50	9.30	53.31	10.89	60.92	14.88	62.53	16.05
	20	34.27	5.60	38.08	6.42	45.69	8.97	49.50	10.57	53.31	12.31	60.92	16.89	61.30	16.95
	22	34.27	6.04	38.08	6.92	45.69	9.73	49.50	11.44	53.31	13.35	59.10	17.39	60.50	17.54
	25	34.27	6.77	38.08	7.79	45.69	10.99	49.50	12.85	53.31	15.09	57.94	18.28	59.24	18.48
	27	34.27	7.29	38.08	8.48	45.69	11.89	49.50	13.86	53.31	16.39	57.00	18.96	58.42	19.14
	29	34.27	7.85	38.08	9.23	45.69	12.87	49.50	15.01	53.31	17.84	56.16	19.61	57.55	19.80
	31	34.27	8.45	38.08	10.02	45.69	13.88	49.50	16.32	53.31	19.39	55.34	20.28	56.59	20.46
	33	34.27	9.07	38.08	10.83	45.69	14.96	49.50	17.72	52.10	20.51	54.40	20.98	55.58	21.21
	35	34.27	9.82	38.08	11.72	45.69	16.12	49.50	19.37	51.22	21.21	53.57	21.65	55.05	21.89
	37	34.27	10.63	38.08	12.66	45.69	17.58	49.50	21.19	50.25	21.99	52.65	22.40	53.70	22.66
	39	34.27	11.53	38.08	13.69	45.69	19.26	48.29	22.53	49.39	22.75	51.73	23.17	53.15	23.46
	41	34.27	12.45	38.08	14.79	45.69	21.11	47.23	23.02	47.63	22.12	48.58	20.32	49.12	19.49
	43	34.27	13.47	38.08	16.01	43.15	20.26	43.48	19.44	43.83	18.75	44.53	17.84	44.99	17.49
	46	34.27	15.18	36.51	16.87	37.17	15.82	37.46	15.45	37.59	14.82	38.09	13.77	38.52	13.37
	48	32.05	14.62	32.32	14.10	32.99	13.33	33.30	12.91	33.28	12.24	34.06	11.74	34.30	11.36
	50	27.78	12.06	28.01	11.71	28.68	11.19	29.14	11.04	28.82	10.43	29.32	9.87	30.20	9.90
52	23.34	10.11	23.76	9.95	23.72	9.17	24.87	9.44	24.34	8.79	24.54	8.14	25.37	8.15	
55	16.67	7.85	16.14	7.27	16.09	6.65	16.67	6.64	17.27	6.62	17.04	5.99	17.70	5.95	
100%	-15	31.15	3.52	34.62	3.88	41.54	4.59	45.00	5.01	48.46	5.49	55.38	6.53	62.31	7.49
	-10	31.15	3.53	34.62	3.88	41.54	4.62	45.00	5.09	48.46	5.59	55.38	6.72	62.31	8.74
	-5	31.15	3.53	34.62	3.92	41.54	4.70	45.00	5.23	48.46	5.82	55.38	7.03	62.31	9.44
	-2	31.15	3.53	34.62	3.92	41.54	4.87	45.00	5.37	48.46	5.87	55.38	7.36	62.31	9.81
	0	31.15	3.57	34.62	3.95	41.54	4.93	45.00	5.44	48.46	6.09	55.38	7.52	62.31	9.95
	2	31.15	3.63	34.62	4.08	41.54	4.95	45.00	5.45	48.46	6.11	55.38	7.54	62.31	9.99
	4	31.15	3.72	34.62	4.14	41.54	4.98	45.00	5.48	48.46	6.28	55.38	7.76	62.31	10.22
	6	31.15	3.73	34.62	4.15	41.54	5.05	45.00	5.56	48.46	6.36	55.38	8.01	62.31	10.73
	8	31.15	3.73	34.62	4.19	41.54	5.07	45.00	5.66	48.46	6.47	55.38	8.28	62.31	11.58
	10	31.15	3.79	34.62	4.23	41.54	5.10	45.00	5.83	48.46	6.74	55.38	8.86	62.31	12.67
	12	31.15	3.80	34.62	4.26	41.54	5.32	45.00	6.22	48.46	7.25	55.38	9.71	62.31	13.83
	14	31.15	3.86	34.62	4.39	41.54	5.79	45.00	6.79	48.46	7.95	55.38	10.62	62.31	15.11
	17	31.15	4.31	34.62	5.07	41.54	6.61	45.00	7.78	48.46	9.05	55.38	12.00	60.15	15.90
	20	31.15	5.00	34.62	5.70	41.54	7.51	45.00	8.83	48.46	10.28	55.38	13.67	59.02	16.79
	22	31.15	5.41	34.62	6.17	41.54	8.21	45.00	9.63	48.46	11.18	55.38	14.81	58.30	17.36
	25	31.15	6.06	34.62	6.90	41.54	9.29	45.00	10.85	48.46	12.55	55.38	16.74	57.04	18.30
	27	31.15	6.52	34.62	7.44	41.54	10.10	45.00	11.76	48.46	13.56	55.38	18.23	56.21	18.97
	29	31.15	7.02	34.62	8.02	41.54	10.93	45.00	12.70	48.46	14.63	54.18	19.41	55.34	19.62
	31	31.15	7.56	34.62	8.63	41.54	11.83	45.00	13.72	48.46	15.87	53.31	20.09	54.61	20.26
	33	31.15	8.13	34.62	9.33	41.54	12.76	45.00	14.78	48.46	17.29	52.48	20.78	53.79	20.98
	35	31.15	8.72	34.62	10.11	41.54	13.80	45.00	15.98	48.46	18.86	51.69	21.49	52.91	21.71
	37	31.15	9.37	34.62	10.94	41.54	14.92	45.00	17.38	48.46	20.63	50.84	22.20	52.03	22.46
	39	31.15	10.07	34.62	11.86	41.54	16.13	45.00	18.94	48.46	22.60	49.90	23.02	51.01	23.22
	41	31.15	10.85	34.62	12.81	41.54	17.45	45.00	20.82	46.60	22.88	47.38	21.16	47.86	20.51
	43	31.15	11.74	34.62	13.87	41.54	19.10	42.55	20.06	42.88	19.30	43.51	18.21	43.83	17.63
	46	31.15	13.24	34.62	15.62	36.36	16.09	36.65	15.60	36.94	15.24	37.46	14.21	37.88	13.82
	48	31.15	14.33	31.74	14.42	32.28	13.52	32.58	13.12	32.87	12.69	33.39	11.92	33.62	11.55
	50	27.32	12.22	27.57	11.88	28.20	11.38	28.65	11.23	28.37	10.63	28.87	10.07	29.36	9.90
52	23.08	10.31	23.49	10.16	23.47	9.39	23.38	8.98	23.69	8.78	23.88	8.13	24.68	8.14	
55	15.93	7.65	15.79	7.26	16.96	7.27	16.30	6.65	16.88	6.63	16.66	6.00	17.29	5.96	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.5:16HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		22		23.3		25.8		27		28.2		30.7		32	
		15	16	18	19	20	22	24							
		KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	
90%	-15	28.04	3.19	31.15	3.50	37.38	4.13	40.50	4.47	43.62	4.80	49.85	5.65	56.08	6.59
	-10	28.04	3.19	31.15	3.52	37.38	4.14	40.50	4.49	43.62	4.81	49.85	5.73	56.08	6.69
	-5	28.04	3.20	31.15	3.52	37.38	4.18	40.50	4.51	43.62	4.93	49.85	5.95	56.08	7.49
	-2	28.04	3.20	31.15	3.53	37.38	4.21	40.50	4.62	43.62	5.05	49.85	6.03	56.08	7.80
	0	28.04	3.21	31.15	3.57	37.38	4.29	40.50	4.74	43.62	5.12	49.85	6.05	56.08	7.88
	2	28.04	3.23	31.15	3.64	37.38	4.38	40.50	4.74	43.62	5.12	49.85	6.25	56.08	7.94
	4	28.04	3.23	31.15	3.65	37.38	4.40	40.50	4.75	43.62	5.12	49.85	6.26	56.08	7.98
	6	28.04	3.29	31.15	3.69	37.38	4.45	40.50	4.80	43.62	5.14	49.85	6.28	56.08	8.22
	8	28.04	3.33	31.15	3.71	37.38	4.45	40.50	4.90	43.62	5.28	49.85	6.42	56.08	8.61
	10	28.04	3.34	31.15	3.74	37.38	4.53	40.50	4.98	43.62	5.36	49.85	6.77	56.08	9.29
	12	28.04	3.37	31.15	3.74	37.38	4.64	40.50	5.00	43.62	5.60	49.85	7.34	56.08	10.17
	14	28.04	3.38	31.15	3.76	37.38	4.73	40.50	5.37	43.62	6.13	49.85	8.06	56.08	11.09
	17	28.04	3.57	31.15	4.20	37.38	5.47	40.50	6.12	43.62	7.03	49.85	9.22	56.08	12.61
	20	28.04	4.32	31.15	4.87	37.38	6.15	40.50	6.91	43.62	8.02	49.85	10.47	56.08	14.30
	22	28.04	4.67	31.15	5.27	37.38	6.65	40.50	7.56	43.62	8.72	49.85	11.34	56.08	15.53
	25	28.04	5.24	31.15	5.91	37.38	7.47	40.50	8.60	43.62	9.92	49.85	12.80	56.08	17.56
	27	28.04	5.64	31.15	6.38	37.38	8.05	40.50	9.35	43.62	10.72	49.85	13.83	54.89	18.74
	29	28.04	6.07	31.15	6.86	37.38	8.77	40.50	10.15	43.62	11.62	49.85	14.95	54.15	19.39
	31	28.04	6.54	31.15	7.39	37.38	9.51	40.50	11.00	43.62	12.56	49.85	16.24	53.27	20.07
	33	28.04	7.03	31.15	7.96	37.38	10.34	40.50	11.88	43.62	13.62	49.85	17.71	52.52	20.76
	35	28.04	7.56	31.15	8.55	37.38	11.20	40.50	12.87	43.62	14.67	49.85	19.32	51.70	21.47
	37	28.04	8.12	31.15	9.19	37.38	12.13	40.50	13.91	43.62	15.85	49.85	21.15	50.74	22.23
	39	28.04	8.71	31.15	9.86	37.38	13.09	40.50	15.01	43.62	17.14	49.85	23.26	50.01	23.00
	41	28.04	9.35	31.15	10.59	37.38	14.19	40.50	16.27	43.62	18.75	47.07	21.98	47.51	21.19
	43	28.04	10.03	31.15	11.46	37.38	15.35	40.50	17.66	42.68	20.05	43.37	18.52	43.65	17.96
46	28.04	11.14	31.15	12.91	36.20	16.54	36.47	16.01	36.81	15.51	37.35	14.64	37.73	14.24	
48	28.04	11.96	31.15	13.99	32.11	13.70	32.41	13.30	32.60	12.90	33.51	12.30	33.75	11.95	
50	27.29	12.48	27.44	12.06	27.78	11.35	28.25	11.19	28.68	11.03	28.45	10.03	29.29	10.09	
52	22.77	10.29	23.20	10.13	23.95	9.79	23.49	9.19	23.81	8.99	24.89	8.82	24.36	8.14	
55	16.16	7.84	15.67	7.26	16.82	7.27	16.18	6.65	16.74	6.64	16.52	6.02	17.15	5.98	
80%	-15	24.92	2.85	27.69	3.14	33.23	3.69	36.00	3.98	38.77	4.26	44.31	4.81	49.85	5.72
	-10	24.92	2.86	27.69	3.14	33.23	3.70	36.00	3.98	38.77	4.27	44.31	4.90	49.85	5.73
	-5	24.92	2.87	27.69	3.15	33.23	3.70	36.00	4.03	38.77	4.34	44.31	4.94	49.85	5.96
	-2	24.92	2.87	27.69	3.15	33.23	3.73	36.00	4.06	38.77	4.36	44.31	4.97	49.85	6.10
	0	24.92	2.88	27.69	3.19	33.23	3.78	36.00	4.08	38.77	4.40	44.31	4.97	49.85	6.35
	2	24.92	2.90	27.69	3.19	33.23	3.79	36.00	4.14	38.77	4.42	44.31	5.02	49.85	6.35
	4	24.92	2.93	27.69	3.22	33.23	3.80	36.00	4.15	38.77	4.44	44.31	5.15	49.85	6.37
	6	24.92	2.94	27.69	3.22	33.23	3.82	36.00	4.15	38.77	4.49	44.31	5.19	49.85	6.40
	8	24.92	2.95	27.69	3.23	33.23	3.87	36.00	4.23	38.77	4.54	44.31	5.34	49.85	6.54
	10	24.92	2.98	27.69	3.24	33.23	3.96	36.00	4.30	38.77	4.72	44.31	5.43	49.85	6.88
	12	24.92	2.98	27.69	3.29	33.23	3.99	36.00	4.32	38.77	4.75	44.31	5.47	49.85	7.44
	14	24.92	2.99	27.69	3.29	33.23	3.99	36.00	4.35	38.77	4.81	44.31	5.98	49.85	8.17
	17	24.92	3.00	27.69	3.37	33.23	4.43	36.00	5.03	38.77	5.55	44.31	6.85	49.85	9.35
	20	24.92	3.70	27.69	4.14	33.23	5.11	36.00	5.67	38.77	6.28	44.31	7.85	49.85	10.58
	22	24.92	4.00	27.69	4.47	33.23	5.54	36.00	6.15	38.77	6.80	44.31	8.58	49.85	11.52
	25	24.92	4.49	27.69	5.02	33.23	6.23	36.00	6.89	38.77	7.63	44.31	9.77	49.85	12.94
	27	24.92	4.84	27.69	5.43	33.23	6.71	36.00	7.46	38.77	8.29	44.31	10.60	49.85	13.96
	29	24.92	5.22	27.69	5.84	33.23	7.24	36.00	8.04	38.77	9.05	44.31	11.47	49.85	15.09
	31	24.92	5.62	27.69	6.28	33.23	7.80	36.00	8.66	38.77	9.83	44.31	12.45	49.85	16.42
	33	24.92	6.04	27.69	6.77	33.23	8.40	36.00	9.38	38.77	10.67	44.31	13.44	49.85	17.89
	35	24.92	6.50	27.69	7.27	33.23	9.04	36.00	10.18	38.77	11.53	44.31	14.52	49.85	19.53
	37	24.92	6.96	27.69	7.82	33.23	9.71	36.00	11.03	38.77	12.51	44.31	15.72	49.85	21.44
	39	24.92	7.48	27.69	8.40	33.23	10.48	36.00	11.94	38.77	13.50	44.31	17.05	48.58	22.71
	41	24.92	8.03	27.69	9.01	33.23	11.37	36.00	12.95	38.77	14.67	44.31	18.57	47.08	22.22
	43	24.92	8.61	27.69	9.67	33.23	12.29	36.00	14.01	38.77	15.85	43.05	19.40	43.45	18.66
46	24.92	9.57	27.69	10.76	33.23	13.89	36.00	15.79	36.59	16.05	37.19	15.01	37.44	14.64	
48	24.92	10.26	27.69	11.54	32.00	14.17	32.20	13.69	32.44	13.19	33.08	12.50	33.04	11.88	
50	24.92	11.01	27.69	12.37	27.74	11.63	28.03	11.37	28.12	11.00	29.03	10.67	28.75	10.05	
52	22.79	10.49	22.99	10.21	23.57	9.77	23.51	9.37	24.19	9.42	24.46	8.81	23.95	8.13	
55	15.65	7.64	16.23	7.66	16.64	7.27	17.20	7.27	16.56	6.64	17.74	6.61	16.95	6.00	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.5:16HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		22		23.3		25.8		27		28.2		30.7		32	
		15	16	18	19	20	22	24							
		KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	
70%	-15	21.81	2.51	24.23	2.75	29.08	3.24	31.50	3.48	33.92	3.72	38.77	4.20	43.62	4.74
	-10	21.81	2.51	24.23	2.75	29.08	3.25	31.50	3.49	33.92	3.74	38.77	4.21	43.62	4.80
	-5	21.81	2.51	24.23	2.77	29.08	3.27	31.50	3.49	33.92	3.74	38.77	4.23	43.62	4.83
	-2	21.81	2.51	24.23	2.77	29.08	3.28	31.50	3.49	33.92	3.74	38.77	4.24	43.62	4.89
	0	21.81	2.52	24.23	2.78	29.08	3.28	31.50	3.52	33.92	3.78	38.77	4.24	43.62	4.90
	2	21.81	2.53	24.23	2.78	29.08	3.28	31.50	3.53	33.92	3.79	38.77	4.32	43.62	5.03
	4	21.81	2.53	24.23	2.81	29.08	3.28	31.50	3.53	33.92	3.82	38.77	4.34	43.62	5.05
	6	21.81	2.56	24.23	2.82	29.08	3.29	31.50	3.54	33.92	3.83	38.77	4.41	43.62	5.06
	8	21.81	2.56	24.23	2.83	29.08	3.39	31.50	3.74	33.92	3.88	38.77	4.50	43.62	5.15
	10	21.81	2.57	24.23	2.84	29.08	3.41	31.50	3.75	33.92	4.02	38.77	4.57	43.62	5.34
	12	21.81	2.57	24.23	2.84	29.08	3.43	31.50	3.75	33.92	4.10	38.77	4.58	43.62	5.37
	14	21.81	2.60	24.23	2.87	29.08	3.46	31.50	3.76	33.92	4.11	38.77	4.68	43.62	5.84
	17	21.81	2.60	24.23	2.88	29.08	3.49	31.50	3.94	33.92	4.47	38.77	5.31	43.62	6.71
	20	21.81	2.81	24.23	3.35	29.08	4.21	31.50	4.62	33.92	5.06	38.77	6.01	43.62	7.68
	22	21.81	3.39	24.23	3.76	29.08	4.55	31.50	5.02	33.92	5.49	38.77	6.52	43.62	8.40
	25	21.81	3.82	24.23	4.22	29.08	5.14	31.50	5.65	33.92	6.18	38.77	7.34	43.62	9.56
	27	21.81	4.12	24.23	4.57	29.08	5.54	31.50	6.11	33.92	6.68	38.77	7.93	43.62	10.37
	29	21.81	4.45	24.23	4.93	29.08	5.99	31.50	6.57	33.92	7.20	38.77	8.60	43.62	11.23
	31	21.81	4.78	24.23	5.30	29.08	6.45	31.50	7.10	33.92	7.77	38.77	9.34	43.62	12.18
	33	21.81	5.15	24.23	5.70	29.08	6.94	31.50	7.65	33.92	8.37	38.77	10.19	43.62	13.17
	35	21.81	5.52	24.23	6.13	29.08	7.49	31.50	8.22	33.92	9.01	38.77	11.06	43.62	14.25
	37	21.81	5.93	24.23	6.59	29.08	8.03	31.50	8.86	33.92	9.70	38.77	11.96	43.62	15.39
	39	21.81	6.38	24.23	7.09	29.08	8.64	31.50	9.52	33.92	10.46	38.77	12.99	43.62	16.60
	41	21.81	6.83	24.23	7.61	29.08	9.28	31.50	10.22	33.92	11.33	38.77	14.07	43.62	18.01
	43	21.81	7.34	24.23	8.16	29.08	9.98	31.50	10.99	33.92	12.31	38.77	15.22	43.62	19.77
46	21.81	8.15	24.23	9.06	29.08	11.11	31.50	12.36	33.92	13.87	36.86	15.66	37.08	15.11	
48	21.81	8.73	24.23	9.72	29.08	11.91	31.50	13.41	32.27	13.80	32.76	12.91	33.07	12.49	
50	21.81	9.37	24.23	10.43	27.67	11.96	27.82	11.63	28.08	11.38	28.30	10.63	28.76	10.45	
52	21.81	10.04	22.88	10.40	23.23	9.85	23.39	9.56	23.67	9.39	24.33	9.01	23.87	8.35	
55	15.77	7.83	16.34	7.84	16.38	7.28	16.54	7.08	16.31	6.65	17.46	6.62	16.69	6.02	
60%	-15	18.69	2.15	20.77	2.35	24.92	2.77	27.00	2.96	29.08	3.16	33.23	3.60	37.38	4.05
	-10	18.69	2.16	20.77	2.38	24.92	2.78	27.00	3.00	29.08	3.20	33.23	3.61	37.38	4.05
	-5	18.69	2.17	20.77	2.40	24.92	2.80	27.00	3.02	29.08	3.22	33.23	3.64	37.38	4.07
	-2	18.69	2.19	20.77	2.40	24.92	2.81	27.00	3.04	29.08	3.25	33.23	3.69	37.38	4.09
	0	18.69	2.19	20.77	2.41	24.92	2.83	27.00	3.05	29.08	3.27	33.23	3.69	37.38	4.10
	2	18.69	2.20	20.77	2.41	24.92	2.84	27.00	3.06	29.08	3.27	33.23	3.70	37.38	4.11
	4	18.69	2.21	20.77	2.41	24.92	2.86	27.00	3.08	29.08	3.31	33.23	3.72	37.38	4.19
	6	18.69	2.21	20.77	2.43	24.92	2.86	27.00	3.13	29.08	3.34	33.23	3.76	37.38	4.25
	8	18.69	2.22	20.77	2.44	24.92	2.89	27.00	3.13	29.08	3.36	33.23	3.90	37.38	4.33
	10	18.69	2.22	20.77	2.47	24.92	2.92	27.00	3.13	29.08	3.39	33.23	4.00	37.38	4.40
	12	18.69	2.22	20.77	2.48	24.92	2.93	27.00	3.17	29.08	3.40	33.23	4.00	37.38	4.40
	14	18.69	2.23	20.77	2.48	24.92	2.93	27.00	3.19	29.08	3.43	33.23	4.01	37.38	4.54
	17	18.69	2.24	20.77	2.49	24.92	2.95	27.00	3.21	29.08	3.45	33.23	4.33	37.38	5.06
	20	18.69	2.35	20.77	2.57	24.92	3.47	27.00	3.72	29.08	4.03	33.23	4.68	37.38	5.73
	22	18.69	2.74	20.77	3.12	24.92	3.70	27.00	4.03	29.08	4.37	33.23	5.09	37.38	6.20
	25	18.69	3.12	20.77	3.51	24.92	4.19	27.00	4.55	29.08	4.94	33.23	5.74	37.38	6.98
	27	18.69	3.38	20.77	3.80	24.92	4.53	27.00	4.92	29.08	5.35	33.23	6.21	37.38	7.55
	29	18.69	3.64	20.77	4.10	24.92	4.88	27.00	5.32	29.08	5.76	33.23	6.73	37.38	8.14
	31	18.69	4.04	20.77	4.42	24.92	5.27	27.00	5.74	29.08	6.23	33.23	7.27	37.38	8.78
	33	18.69	4.33	20.77	4.76	24.92	5.69	27.00	6.18	29.08	6.72	33.23	7.84	37.38	9.55
	35	18.69	4.66	20.77	5.12	24.92	6.12	27.00	6.67	29.08	7.23	33.23	8.45	37.38	10.39
	37	18.69	5.00	20.77	5.50	24.92	6.59	27.00	7.18	29.08	7.78	33.23	9.10	37.38	11.25
	39	18.69	5.37	20.77	5.91	24.92	7.07	27.00	7.71	29.08	8.39	33.23	9.78	37.38	12.20
	41	18.69	5.76	20.77	6.34	24.92	7.59	27.00	8.29	29.08	9.00	33.23	10.53	37.38	13.23
	43	18.69	6.18	20.77	6.81	24.92	8.16	27.00	8.91	29.08	9.67	33.23	11.33	37.38	14.34
46	18.69	6.85	20.77	7.56	24.92	9.07	27.00	9.90	29.08	10.78	33.23	12.83	37.38	16.21	
48	18.69	7.35	20.77	8.10	24.92	9.74	27.00	10.64	29.08	11.58	32.44	13.53	32.69	13.11	
50	18.69	7.88	20.77	8.68	24.92	10.47	27.00	11.43	27.85	11.73	28.21	11.10	28.51	10.83	
52	18.69	8.45	20.77	9.32	23.15	10.15	23.23	9.84	23.37	9.57	23.65	8.98	23.96	8.79	
55	15.63	7.90	16.01	7.83	16.41	7.47	16.57	7.28	16.35	6.87	17.08	6.64	17.67	6.62	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...



Table2-8.5:16HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		22		23.3		25.8		27		28.2		30.7		32	
		15	16	18	19	20	22	24							
		KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	
50%	-15	15.58	1.80	17.31	2.00	20.77	2.30	22.50	2.47	24.23	2.69	27.69	3.02	31.15	3.39
	-10	15.58	1.81	17.31	2.00	20.77	2.36	22.50	2.53	24.23	2.69	27.69	3.05	31.15	3.42
	-5	15.58	1.85	17.31	2.04	20.77	2.39	22.50	2.55	24.23	2.72	27.69	3.07	31.15	3.43
	-2	15.58	1.86	17.31	2.05	20.77	2.40	22.50	2.59	24.23	2.73	27.69	3.09	31.15	3.45
	0	15.58	1.86	17.31	2.05	20.77	2.42	22.50	2.61	24.23	2.76	27.69	3.10	31.15	3.47
	2	15.58	1.86	17.31	2.06	20.77	2.43	22.50	2.61	24.23	2.77	27.69	3.12	31.15	3.49
	4	15.58	1.87	17.31	2.06	20.77	2.43	22.50	2.62	24.23	2.78	27.69	3.14	31.15	3.52
	6	15.58	1.87	17.31	2.07	20.77	2.45	22.50	2.64	24.23	2.80	27.69	3.21	31.15	3.52
	8	15.58	1.87	17.31	2.07	20.77	2.45	22.50	2.64	24.23	2.81	27.69	3.22	31.15	3.55
	10	15.58	1.88	17.31	2.08	20.77	2.45	22.50	2.64	24.23	2.81	27.69	3.27	31.15	3.65
	12	15.58	1.89	17.31	2.08	20.77	2.45	22.50	2.65	24.23	2.83	27.69	3.27	31.15	3.70
	14	15.58	1.90	17.31	2.08	20.77	2.46	22.50	2.66	24.23	2.85	27.69	3.27	31.15	3.76
	17	15.58	1.90	17.31	2.09	20.77	2.48	22.50	2.67	24.23	2.87	27.69	3.28	31.15	3.84
	20	15.58	1.98	17.31	2.18	20.77	2.54	22.50	2.91	24.23	3.35	27.69	3.73	31.15	4.31
	22	15.58	1.98	17.31	2.19	20.77	2.99	22.50	3.18	24.23	3.41	27.69	3.89	31.15	4.67
	25	15.58	2.48	17.31	2.70	20.77	3.35	22.50	3.60	24.23	3.87	27.69	4.41	31.15	5.27
	27	15.58	2.75	17.31	2.96	20.77	3.63	22.50	3.91	24.23	4.20	27.69	4.80	31.15	5.71
	29	15.58	3.00	17.31	3.23	20.77	3.92	22.50	4.23	24.23	4.55	27.69	5.19	31.15	6.19
	31	15.58	3.26	17.31	3.50	20.77	4.24	22.50	4.56	24.23	4.90	27.69	5.61	31.15	6.68
	33	15.58	3.52	17.31	3.78	20.77	4.57	22.50	4.94	24.23	5.29	27.69	6.05	31.15	7.21
35	15.58	3.79	17.31	4.06	20.77	4.93	22.50	5.31	24.23	5.71	27.69	6.54	31.15	7.76	
37	15.58	4.07	17.31	4.36	20.77	5.30	22.50	5.71	24.23	6.15	27.69	7.05	31.15	8.36	
39	15.58	4.36	17.31	4.67	20.77	5.70	22.50	6.14	24.23	6.62	27.69	7.59	31.15	8.98	
41	15.58	4.66	17.31	5.00	20.77	6.12	22.50	6.60	24.23	7.12	27.69	8.16	31.15	9.67	
43	15.58	4.98	17.31	5.63	20.77	6.57	22.50	7.11	24.23	7.65	27.69	8.78	31.15	10.40	
46	15.58	5.50	17.31	6.21	20.77	7.31	22.50	7.91	24.23	8.53	27.69	9.80	31.15	11.60	
48	15.58	5.89	17.31	6.66	20.77	7.85	22.50	8.49	24.23	9.16	27.69	10.52	31.15	12.50	
50	15.58	6.52	17.31	7.13	20.77	8.43	22.50	9.11	24.23	9.83	27.69	11.31	28.12	11.31	
52	15.58	6.99	17.31	7.65	20.77	9.05	22.50	9.78	23.26	10.01	23.59	9.48	23.77	9.18	
55	15.58	8.09	15.69	7.89	15.93	7.46	16.10	7.27	16.24	7.08	16.55	6.66	16.72	6.43	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table2-8.6:18HP cooling capacity

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)														
		22		23.3		25.8		27		28.2		30.7		32		
		15	16	18	19	20	22	24								
130%	-15	45.72	4.71	50.80	5.39	60.96	6.63	66.04	7.32	71.12	8.49	81.28	12.63	84.01	13.85	
	-10	45.72	4.77	50.80	5.52	60.96	6.73	66.04	8.44	71.12	10.35	81.28	13.07	83.99	13.70	
	-5	45.72	4.91	50.80	5.58	60.96	7.87	66.04	9.02	71.12	10.35	81.28	13.56	83.81	13.87	
	-2	45.72	5.09	50.80	5.81	60.96	8.07	66.04	9.21	71.12	10.57	81.28	13.71	82.63	14.46	
	0	45.72	5.11	50.80	6.10	60.96	8.12	66.04	9.35	71.12	10.61	81.28	14.07	82.51	14.70	
	2	45.72	5.29	50.80	6.12	60.96	8.29	66.04	9.36	71.12	10.99	81.28	14.56	81.78	15.24	
	4	45.72	5.35	50.80	6.30	60.96	8.32	66.04	9.68	71.12	11.43	81.28	15.96	80.98	15.90	
	6	45.72	5.41	50.80	6.38	60.96	8.60	66.04	10.14	71.12	12.01	78.74	16.37	80.16	16.58	
	8	45.72	5.43	50.80	6.48	60.96	8.99	66.04	10.85	71.12	13.18	77.86	17.05	79.29	17.29	
	10	45.72	5.56	50.80	6.74	60.96	9.79	66.04	11.89	71.12	14.41	76.90	17.74	78.95	17.90	
	12	45.72	5.88	50.80	7.32	60.96	10.69	66.04	12.98	71.12	15.69	75.96	18.42	78.01	18.59	
	14	45.72	6.45	50.80	7.90	60.96	11.61	66.04	14.14	71.12	17.02	75.06	19.10	76.26	19.34	
	17	45.72	7.35	50.80	9.01	60.96	13.14	66.04	15.94	71.12	19.31	73.67	20.13	74.72	20.40	
	20	45.72	8.32	50.80	10.19	60.96	14.86	66.04	18.04	69.05	20.73	72.24	21.18	73.32	21.50	
	22	45.72	9.05	50.80	11.02	60.96	16.10	66.04	19.56	68.10	21.40	70.99	21.90	73.29	22.11	
	25	45.72	10.17	50.80	12.33	60.96	18.21	66.04	22.19	66.55	22.53	69.42	23.02	70.92	23.35	
	27	45.72	11.00	50.80	13.33	60.96	19.78	64.12	23.04	65.51	23.29	68.10	23.87	69.87	24.14	
	29	45.72	11.89	50.80	14.34	60.96	21.51	63.12	23.81	64.52	24.06	67.95	24.56	68.44	24.97	
	31	45.72	12.80	50.80	15.45	60.96	23.41	62.04	24.61	63.50	24.88	66.07	25.50	68.29	25.74	
	33	45.72	13.80	50.80	16.74	60.96	25.66	61.07	25.44	62.57	25.69	64.85	26.38	66.32	26.64	
	35	45.72	14.88	50.80	18.14	58.68	26.02	59.96	26.31	61.32	26.54	64.53	27.19	65.23	27.55	
	37	45.72	16.04	50.80	19.84	57.67	26.90	58.97	27.21	60.17	27.35	61.52	25.38	61.99	24.15	
	39	45.72	17.27	50.80	21.67	55.25	25.67	55.79	24.79	56.41	23.99	57.32	21.93	57.54	21.62	
	41	45.72	18.82	50.80	23.75	51.23	22.23	51.61	21.53	52.10	20.41	52.70	19.40	53.17	18.78	
	43	45.72	20.62	46.19	20.51	47.42	19.21	47.43	18.62	47.91	18.27	48.54	17.04	48.85	16.41	
	46	39.25	16.78	39.72	16.30	40.42	15.42	40.53	14.77	40.61	14.11	41.49	13.28	42.28	13.11	
	48	34.71	14.28	35.18	13.89	35.60	12.80	36.25	12.64	36.47	12.26	36.36	11.26	37.47	11.34	
	50	29.82	11.83	30.42	11.69	31.11	11.16	31.14	10.77	30.69	10.15	31.15	9.51	32.17	9.54	
	52	25.38	10.28	24.96	9.67	25.26	9.07	26.10	9.09	26.95	9.12	27.18	8.43	26.44	7.69	
	55	17.00	7.50	17.69	7.51	17.64	6.88	18.30	6.86	17.33	6.27	18.72	6.19	19.47	6.14	
	120%	-15	42.20	4.42	46.89	4.96	56.27	6.21	60.96	6.75	65.65	7.42	75.03	11.15	80.72	13.75
		-10	42.20	4.44	46.89	5.05	56.27	6.45	60.96	6.88	65.65	8.58	75.03	11.54	80.30	13.98
-5		42.20	4.49	46.89	5.09	56.27	6.65	60.96	8.10	65.65	9.14	75.03	11.75	80.12	14.14	
-2		42.20	4.59	46.89	5.25	56.27	7.29	60.96	8.17	65.65	9.19	75.03	11.81	79.97	14.31	
0		42.20	4.78	46.89	5.53	56.27	7.31	60.96	8.29	65.65	9.35	75.03	12.11	79.80	14.53	
2		42.20	4.83	46.89	5.57	56.27	7.32	60.96	8.37	65.65	9.53	75.03	12.54	79.60	15.01	
4		42.20	4.87	46.89	5.60	56.27	7.34	60.96	8.51	65.65	9.89	75.03	13.04	79.14	15.64	
6		42.20	4.95	46.89	5.65	56.27	7.61	60.96	8.80	65.65	10.16	75.03	14.32	77.49	16.46	
8		42.20	4.96	46.89	5.74	56.27	7.87	60.96	9.24	65.65	11.00	75.03	15.65	77.37	17.03	
10		42.20	5.04	46.89	5.93	56.27	8.38	60.96	10.02	65.65	12.06	75.03	17.03	76.40	17.75	
12		42.20	5.26	46.89	6.28	56.27	9.17	60.96	10.95	65.65	13.13	75.03	18.56	74.73	18.50	
14		42.20	5.65	46.89	6.90	56.27	9.99	60.96	11.91	65.65	14.33	72.55	18.95	73.87	19.17	
17		42.20	6.47	46.89	7.83	56.27	11.32	60.96	13.50	65.65	16.19	71.31	19.94	72.90	20.17	
20		42.20	7.29	46.89	8.87	56.27	12.74	60.96	15.30	65.65	18.30	69.78	21.03	71.92	21.20	
22		42.20	7.95	46.89	9.62	56.27	13.77	60.96	16.58	65.65	19.87	68.88	21.74	70.07	22.01	
25		42.20	8.98	46.89	10.85	56.27	15.50	60.96	18.70	65.65	22.56	67.61	22.84	69.47	23.06	
27		42.20	9.73	46.89	11.71	56.27	16.84	60.96	20.30	63.48	23.11	66.56	23.61	67.44	23.97	
29		42.20	10.51	46.89	12.62	56.27	18.25	60.96	22.16	62.51	23.89	65.38	24.43	67.43	24.65	
31		42.20	11.37	46.89	13.64	56.27	19.86	60.96	24.12	61.60	24.69	64.67	25.21	65.62	25.58	
33		42.20	12.25	46.89	14.68	56.27	21.58	59.30	25.25	60.64	25.53	63.18	26.08	64.57	26.45	
35		42.20	13.22	46.89	15.82	56.27	23.64	58.19	26.13	59.56	26.41	61.97	26.99	63.29	27.33	
37		42.20	14.27	46.89	17.03	56.27	25.97	57.26	27.01	58.45	27.31	60.12	25.60	60.19	25.23	
39		42.20	15.38	46.89	18.55	54.12	26.24	54.59	25.24	55.10	24.45	55.74	22.74	56.91	22.07	
41		42.20	16.58	46.89	20.31	50.14	22.64	50.64	21.89	50.97	21.21	51.76	19.89	51.92	18.94	
43		42.20	17.94	45.29	20.94	46.04	19.27	46.47	18.77	46.73	18.18	47.49	17.22	47.50	16.33	
46		38.55	17.03	38.90	16.49	39.38	15.38	39.78	14.98	39.87	14.32	40.72	13.50	41.16	13.06	
48		34.07	14.37	34.27	13.86	35.03	13.03	35.68	12.86	35.53	12.24	36.74	11.94	36.53	11.30	
50		29.47	12.04	30.08	11.88	29.95	10.92	30.39	10.75	31.30	10.81	31.86	10.23	31.39	9.53	
52		24.40	10.05	24.83	9.88	26.09	9.74	25.51	9.09	26.33	9.11	26.55	8.43	25.83	7.69	
55		16.69	7.50	17.35	7.51	17.31	6.88	17.95	6.87	18.60	6.85	18.35	6.20	19.08	6.15	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.6:18HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		22		23.3		25.8		27		28.2		30.7		32	
		15	16	18	19	20	22	24							
110%	-15	38.69	4.15	42.98	4.56	51.58	5.66	55.88	6.28	60.18	6.78	68.78	8.00	77.37	12.91
	-10	38.69	4.16	42.98	4.64	51.58	5.85	55.88	6.39	60.18	6.87	68.78	9.86	77.37	13.11
	-5	38.69	4.17	42.98	4.64	51.58	5.89	55.88	6.72	60.18	8.05	68.78	9.88	77.37	13.26
	-2	38.69	4.20	42.98	4.76	51.58	6.11	55.88	7.14	60.18	8.09	68.78	10.11	77.37	13.49
	0	38.69	4.30	42.98	4.95	51.58	6.44	55.88	7.26	60.18	8.24	68.78	10.16	77.37	13.86
	2	38.69	4.54	42.98	5.00	51.58	6.47	55.88	7.38	60.18	8.30	68.78	10.47	77.37	14.31
	4	38.69	4.55	42.98	5.07	51.58	6.53	55.88	7.39	60.18	8.45	68.78	11.00	77.37	15.54
	6	38.69	4.57	42.98	5.08	51.58	6.58	55.88	7.66	60.18	8.70	68.78	11.53	75.10	16.25
	8	38.69	4.59	42.98	5.12	51.58	6.79	55.88	7.91	60.18	9.20	68.78	12.65	74.41	16.91
	10	38.69	4.64	42.98	5.20	51.58	7.22	55.88	8.42	60.18	9.97	68.78	13.86	73.47	17.60
	12	38.69	4.71	42.98	5.43	51.58	7.75	55.88	9.23	60.18	10.90	68.78	15.09	72.95	18.23
	14	38.69	4.99	42.98	5.90	51.58	8.48	55.88	10.04	60.18	11.87	68.78	16.46	71.85	18.95
	17	38.69	5.81	42.98	6.74	51.58	9.62	55.88	11.40	60.18	13.45	68.78	18.62	70.69	19.95
	20	38.69	6.53	42.98	7.66	51.58	10.91	55.88	12.82	60.18	15.15	68.78	21.11	69.36	21.01
	22	38.69	7.02	42.98	8.35	51.58	11.78	55.88	13.86	60.18	16.51	66.60	21.54	67.97	21.80
	25	38.69	7.85	42.98	9.44	51.58	13.21	55.88	15.63	60.18	18.61	65.14	22.66	66.62	22.88
	27	38.69	8.48	42.98	10.21	51.58	14.22	55.88	16.97	60.18	20.20	64.29	23.41	66.00	23.66
	29	38.69	9.17	42.98	11.03	51.58	15.38	55.88	18.43	60.18	22.02	63.19	24.22	64.23	24.54
	31	38.69	9.93	42.98	11.90	51.58	16.64	55.88	20.02	60.18	24.08	62.25	25.04	64.02	25.30
	33	38.69	10.76	42.98	12.83	51.58	18.13	55.88	21.81	58.63	25.31	61.27	25.89	62.31	26.19
	35	38.69	11.60	42.98	13.84	51.58	19.69	55.88	23.87	57.67	26.18	60.35	26.77	62.08	27.03
	37	38.69	12.54	42.98	14.89	51.58	21.58	55.88	26.11	56.60	27.10	58.80	26.78	59.40	25.58
	39	38.69	13.53	42.98	16.08	51.58	23.65	53.44	25.97	53.90	25.00	55.07	23.27	55.59	22.16
	41	38.69	14.60	42.98	17.42	49.18	23.28	49.55	22.39	50.05	21.66	50.72	20.00	51.43	19.35
	43	38.69	15.75	42.98	18.85	45.14	19.75	45.58	19.08	45.82	18.61	46.65	17.65	46.97	17.04
	46	37.81	17.31	38.11	16.71	38.85	15.83	39.00	15.18	39.37	14.78	40.22	13.97	40.02	13.03
	48	33.42	14.56	33.70	14.06	34.41	13.24	34.39	12.56	34.96	12.42	35.38	11.67	35.54	11.27
	50	29.07	12.23	29.32	11.86	29.99	11.34	29.64	10.73	30.09	10.56	31.04	10.21	30.58	9.52
52	24.24	10.24	24.66	10.08	25.46	9.73	24.90	9.08	25.70	9.10	25.91	8.43	26.80	8.44	
55	16.37	7.50	17.01	7.51	16.97	6.88	17.58	6.87	18.22	6.85	17.98	6.21	18.68	6.17	
100%	-15	35.17	3.84	39.08	4.24	46.89	5.11	50.00	5.66	54.71	6.24	62.52	7.26	70.34	10.04
	-10	35.17	3.84	39.08	4.25	46.89	5.21	50.00	5.87	54.71	6.37	62.52	7.69	70.34	11.27
	-5	35.17	3.85	39.08	4.25	46.89	5.28	50.00	6.01	54.71	6.47	62.52	8.43	70.34	11.33
	-2	35.17	3.85	39.08	4.33	46.89	5.46	50.00	6.03	54.71	7.10	62.52	8.63	70.34	11.48
	0	35.17	3.92	39.08	4.40	46.89	5.55	50.00	6.32	54.71	7.12	62.52	8.80	70.34	11.67
	2	35.17	4.00	39.08	4.54	46.89	5.56	50.00	6.36	54.71	7.13	62.52	8.99	70.34	12.03
	4	35.17	4.11	39.08	4.59	46.89	5.62	50.00	6.41	54.71	7.17	62.52	9.02	70.34	12.51
	6	35.17	4.12	39.08	4.61	46.89	5.73	50.00	6.48	54.71	7.41	62.52	9.52	70.34	13.45
	8	35.17	4.17	39.08	4.67	46.89	5.84	50.00	6.64	54.71	7.68	62.52	10.10	70.34	14.72
	10	35.17	4.21	39.08	4.69	46.89	6.03	50.00	7.11	54.71	8.19	62.52	11.08	70.34	16.04
	12	35.17	4.22	39.08	4.79	46.89	6.48	50.00	7.64	54.71	8.99	62.52	12.10	70.34	17.45
	14	35.17	4.39	39.08	5.13	46.89	7.07	50.00	8.34	54.71	9.80	62.52	13.19	70.34	18.73
	17	35.17	5.20	39.08	5.95	46.89	8.07	50.00	9.50	54.71	11.08	62.52	14.94	67.70	19.79
	20	35.17	5.82	39.08	6.66	46.89	9.16	50.00	10.77	54.71	12.48	62.52	16.95	66.51	20.82
	22	35.17	6.27	39.08	7.16	46.89	9.95	50.00	11.65	54.71	13.49	62.52	18.39	65.58	21.52
	25	35.17	7.01	39.08	8.02	46.89	11.20	50.00	13.06	54.71	15.25	62.52	20.82	64.23	22.67
	27	35.17	7.54	39.08	8.74	46.89	12.13	50.00	14.11	54.71	16.53	62.52	22.70	63.24	23.45
	29	35.17	8.10	39.08	9.44	46.89	13.06	50.00	15.17	54.71	17.90	61.05	23.96	62.44	24.19
	31	35.17	8.70	39.08	10.23	46.89	14.06	50.00	16.45	54.71	19.48	60.14	24.77	61.46	25.06
	33	35.17	9.33	39.08	11.05	46.89	15.18	50.00	17.86	54.71	21.26	59.22	25.62	60.51	25.91
	35	35.17	10.07	39.08	11.97	46.89	16.33	50.00	19.46	54.71	23.17	58.12	26.52	59.74	26.80
	37	35.17	10.89	39.08	12.92	46.89	17.73	50.00	21.26	54.71	25.46	57.19	27.44	58.22	26.64
	39	35.17	11.76	39.08	13.91	46.89	19.39	50.00	23.26	52.67	25.84	53.65	23.98	54.08	23.18
	41	35.17	12.72	39.08	15.01	46.89	21.21	48.55	23.10	48.87	22.21	49.99	20.57	49.95	19.79
	43	35.17	13.75	39.08	16.26	44.21	20.34	44.71	19.67	44.93	18.84	45.52	17.80	46.02	17.45
	46	35.17	15.46	37.43	17.08	38.09	16.00	38.40	15.62	38.51	14.98	39.32	14.17	39.76	13.76
	48	32.85	14.87	33.21	14.38	33.72	13.46	34.34	13.28	34.32	12.60	34.34	11.63	35.36	11.71
	50	28.52	12.30	28.85	12.06	29.54	11.54	29.24	10.93	29.68	10.76	30.18	10.19	29.74	9.51
52	24.01	10.44	24.44	10.28	24.40	9.48	24.27	9.07	25.04	9.09	25.24	8.43	26.10	8.43	
55	17.21	8.09	16.66	7.51	16.61	6.89	17.21	6.88	17.82	6.86	17.59	6.22	18.27	6.18	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.6:18HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		22		23.3		25.8		27		28.2		30.7		32	
		15	16	18	19	20	22	24							
		KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	
90%	-15	31.65	3.47	35.17	3.83	42.20	4.51	45.72	4.85	49.24	5.35	56.27	6.43	63.30	7.32
	-10	31.65	3.48	35.17	3.83	42.20	4.52	45.72	4.95	49.24	5.45	56.27	6.51	63.30	8.21
	-5	31.65	3.48	35.17	3.83	42.20	4.63	45.72	5.14	49.24	5.74	56.27	6.68	63.30	8.83
	-2	31.65	3.49	35.17	3.84	42.20	4.73	45.72	5.20	49.24	5.80	56.27	6.96	63.30	9.00
	0	31.65	3.49	35.17	3.87	42.20	4.78	45.72	5.23	49.24	5.81	56.27	7.06	63.30	9.15
	2	31.65	3.56	35.17	4.01	42.20	4.81	45.72	5.28	49.24	5.83	56.27	7.11	63.30	9.16
	4	31.65	3.67	35.17	4.06	42.20	4.85	45.72	5.36	49.24	5.84	56.27	7.31	63.30	9.52
	6	31.65	3.69	35.17	4.08	42.20	4.92	45.72	5.40	49.24	5.86	56.27	7.36	63.30	9.81
	8	31.65	3.69	35.17	4.08	42.20	4.95	45.72	5.54	49.24	6.02	56.27	7.79	63.30	10.61
	10	31.65	3.70	35.17	4.10	42.20	5.09	45.72	5.55	49.24	6.43	56.27	8.31	63.30	11.61
	12	31.65	3.71	35.17	4.20	42.20	5.16	45.72	5.97	49.24	6.91	56.27	9.09	63.30	12.70
	14	31.65	3.78	35.17	4.28	42.20	5.64	45.72	6.51	49.24	7.56	56.27	9.95	63.30	13.88
	17	31.65	4.22	35.17	5.07	42.20	6.42	45.72	7.43	49.24	8.59	56.27	11.31	63.30	15.70
	20	31.65	5.03	35.17	5.68	42.20	7.22	45.72	8.45	49.24	9.76	56.27	12.73	63.30	17.74
	22	31.65	5.41	35.17	6.12	42.20	7.87	45.72	9.17	49.24	10.60	56.27	13.76	63.30	19.28
	25	31.65	6.05	35.17	6.84	42.20	8.91	45.72	10.37	49.24	11.91	56.27	15.58	63.30	21.73
	27	31.65	6.50	35.17	7.36	42.20	9.69	45.72	11.23	49.24	12.87	56.27	16.87	61.77	23.15
	29	31.65	6.99	35.17	7.92	42.20	10.48	45.72	12.11	49.24	13.88	56.27	18.37	60.94	23.94
	31	31.65	7.51	35.17	8.50	42.20	11.38	45.72	13.09	49.24	15.02	56.27	19.95	60.04	24.75
	33	31.65	8.05	35.17	9.15	42.20	12.27	45.72	14.15	49.24	16.15	56.27	21.79	59.02	25.62
	35	31.65	8.64	35.17	9.81	42.20	13.26	45.72	15.23	49.24	17.56	56.27	23.82	58.02	26.48
	37	31.65	9.27	35.17	10.59	42.20	14.29	45.72	16.45	49.24	19.16	56.27	26.08	56.99	27.45
	39	31.65	9.94	35.17	11.48	42.20	15.42	45.72	17.75	49.24	20.96	53.25	24.86	53.77	23.99
	41	31.65	10.65	35.17	12.41	42.20	16.69	45.72	19.37	49.24	22.96	49.39	21.27	49.81	20.78
	43	31.65	11.43	35.17	13.41	42.20	18.04	44.36	20.22	44.68	19.48	45.38	18.14	45.77	17.84
46	31.65	12.84	35.17	15.05	37.84	16.34	38.14	15.78	38.42	15.40	38.98	14.35	39.09	13.68	
48	31.65	13.90	33.03	14.63	33.55	13.65	33.80	13.24	34.12	12.81	34.58	12.04	34.79	11.67	
50	28.43	12.47	28.64	12.13	29.12	11.52	29.22	11.12	29.27	10.74	30.19	10.39	30.67	10.20	
52	23.75	10.42	24.17	10.26	24.95	9.90	24.45	9.27	24.75	9.08	24.95	8.42	25.78	8.43	
55	16.70	7.89	16.56	7.50	16.51	6.89	17.10	6.88	17.70	6.86	17.47	6.24	18.13	6.19	
80%	-15	28.14	3.10	31.26	3.42	37.51	4.04	40.64	4.35	43.77	4.64	50.02	5.39	56.27	6.43
	-10	28.14	3.11	31.26	3.42	37.51	4.04	40.64	4.35	43.77	4.66	50.02	5.56	56.27	6.67
	-5	28.14	3.11	31.26	3.42	37.51	4.05	40.64	4.35	43.77	4.74	50.02	5.68	56.27	6.80
	-2	28.14	3.11	31.26	3.44	37.51	4.07	40.64	4.46	43.77	4.77	50.02	5.69	56.27	7.06
	0	28.14	3.12	31.26	3.45	37.51	4.12	40.64	4.48	43.77	4.82	50.02	5.71	56.27	7.16
	2	28.14	3.12	31.26	3.49	37.51	4.14	40.64	4.51	43.77	4.84	50.02	5.74	56.27	7.17
	4	28.14	3.14	31.26	3.52	37.51	4.17	40.64	4.56	43.77	4.91	50.02	5.76	56.27	7.42
	6	28.14	3.22	31.26	3.53	37.51	4.23	40.64	4.60	43.77	4.97	50.02	5.76	56.27	7.47
	8	28.14	3.23	31.26	3.57	37.51	4.28	40.64	4.71	43.77	5.06	50.02	5.87	56.27	7.85
	10	28.14	3.25	31.26	3.58	37.51	4.31	40.64	4.77	43.77	5.10	50.02	6.20	56.27	8.44
	12	28.14	3.25	31.26	3.63	37.51	4.43	40.64	4.78	43.77	5.26	50.02	6.75	56.27	9.22
	14	28.14	3.31	31.26	3.63	37.51	4.50	40.64	5.11	43.77	5.82	50.02	7.41	56.27	10.08
	17	28.14	3.42	31.26	4.04	37.51	5.32	40.64	5.92	43.77	6.55	50.02	8.47	56.27	11.44
	20	28.14	4.30	31.26	4.81	37.51	5.98	40.64	6.64	43.77	7.47	50.02	9.62	56.27	12.90
	22	28.14	4.64	31.26	5.20	37.51	6.45	40.64	7.18	43.77	8.14	50.02	10.47	56.27	13.94
	25	28.14	5.19	31.26	5.81	37.51	7.22	40.64	8.06	43.77	9.22	50.02	11.77	56.27	15.77
	27	28.14	5.58	31.26	6.24	37.51	7.78	40.64	8.74	43.77	10.02	50.02	12.74	56.27	17.05
	29	28.14	5.99	31.26	6.73	37.51	8.36	40.64	9.51	43.77	10.86	50.02	13.76	56.27	18.53
	31	28.14	6.44	31.26	7.22	37.51	9.00	40.64	10.31	43.77	11.75	50.02	14.87	56.27	20.20
	33	28.14	6.91	31.26	7.76	37.51	9.73	40.64	11.15	43.77	12.70	50.02	16.03	56.27	22.02
	35	28.14	7.40	31.26	8.31	37.51	10.53	40.64	12.03	43.77	13.70	50.02	17.35	56.27	24.11
	37	28.14	7.94	31.26	8.93	37.51	11.40	40.64	13.00	43.77	14.78	50.02	18.93	56.27	26.48
	39	28.14	8.51	31.26	9.58	37.51	12.33	40.64	14.10	43.77	15.96	50.02	20.63	53.25	25.07
	41	28.14	9.13	31.26	10.27	37.51	13.33	40.64	15.20	43.77	17.24	50.02	22.73	49.46	21.39
	43	28.14	9.78	31.26	10.99	37.51	14.40	40.64	16.45	43.77	18.70	45.11	18.81	45.43	18.14
46	28.14	10.83	31.26	12.27	37.51	16.24	37.95	16.27	38.30	15.79	38.73	14.77	39.18	14.37	
48	28.14	11.61	31.26	13.28	33.45	14.04	33.65	13.54	34.03	13.26	34.63	12.43	34.87	12.06	
50	28.14	12.44	28.57	12.33	28.99	11.69	29.08	11.31	29.92	11.36	29.64	10.36	30.13	10.19	
52	23.76	10.61	24.20	10.44	24.19	9.66	24.91	9.71	25.23	9.52	25.51	8.87	25.39	8.43	
55	16.56	7.89	16.79	7.71	17.61	7.51	16.94	6.89	17.53	6.87	17.30	6.25	17.95	6.21	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.6:18HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		22		23.3		25.8		27		28.2		30.7		32	
		15	16	18	19	20	22	24							
		KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	
70%	-15	24.62	2.73	27.35	3.00	32.82	3.51	35.56	3.78	38.30	4.04	43.77	4.57	49.24	5.32
	-10	24.62	2.74	27.35	3.00	32.82	3.53	35.56	3.80	38.30	4.05	43.77	4.60	49.24	5.43
	-5	24.62	2.74	27.35	3.03	32.82	3.54	35.56	3.81	38.30	4.08	43.77	4.61	49.24	5.48
	-2	24.62	2.77	27.35	3.04	32.82	3.57	35.56	3.81	38.30	4.08	43.77	4.62	49.24	5.50
	0	24.62	2.78	27.35	3.04	32.82	3.58	35.56	3.83	38.30	4.09	43.77	4.63	49.24	5.58
	2	24.62	2.79	27.35	3.04	32.82	3.59	35.56	3.86	38.30	4.15	43.77	4.74	49.24	5.60
	4	24.62	2.79	27.35	3.05	32.82	3.60	35.56	3.89	38.30	4.18	43.77	4.77	49.24	5.70
	6	24.62	2.80	27.35	3.05	32.82	3.61	35.56	3.95	38.30	4.19	43.77	4.91	49.24	5.76
	8	24.62	2.80	27.35	3.05	32.82	3.62	35.56	3.98	38.30	4.33	43.77	4.96	49.24	5.83
	10	24.62	2.82	27.35	3.10	32.82	3.76	35.56	4.04	38.30	4.44	43.77	4.99	49.24	6.09
	12	24.62	2.82	27.35	3.14	32.82	3.78	35.56	4.09	38.30	4.45	43.77	5.28	49.24	6.60
	14	24.62	2.83	27.35	3.16	32.82	3.83	35.56	4.11	38.30	4.49	43.77	5.57	49.24	7.23
	17	24.62	2.86	27.35	3.16	32.82	4.15	35.56	4.79	38.30	5.26	43.77	6.27	49.24	8.24
	20	24.62	3.39	27.35	4.04	32.82	4.90	35.56	5.40	38.30	5.93	43.77	7.07	49.24	9.40
	22	24.62	3.94	27.35	4.37	32.82	5.31	35.56	5.83	38.30	6.42	43.77	7.68	49.24	10.20
	25	24.62	4.41	27.35	4.88	32.82	5.94	35.56	6.55	38.30	7.18	43.77	8.74	49.24	11.50
	27	24.62	4.75	27.35	5.26	32.82	6.42	35.56	7.05	38.30	7.74	43.77	9.52	49.24	12.42
	29	24.62	5.09	27.35	5.65	32.82	6.90	35.56	7.60	38.30	8.34	43.77	10.33	49.24	13.42
	31	24.62	5.47	27.35	6.08	32.82	7.41	35.56	8.18	38.30	8.98	43.77	11.21	49.24	14.51
	33	24.62	5.88	27.35	6.53	32.82	7.98	35.56	8.78	38.30	9.68	43.77	12.14	49.24	15.66
	35	24.62	6.31	27.35	6.99	32.82	8.57	35.56	9.45	38.30	10.50	43.77	13.09	49.24	16.89
	37	24.62	6.75	27.35	7.51	32.82	9.21	35.56	10.15	38.30	11.41	43.77	14.20	49.24	18.41
	39	24.62	7.23	27.35	8.05	32.82	9.87	35.56	10.96	38.30	12.34	43.77	15.31	49.24	20.07
	41	24.62	7.75	27.35	8.63	32.82	10.60	35.56	11.85	38.30	13.34	43.77	16.59	49.24	22.00
	43	24.62	8.30	27.35	9.25	32.82	11.37	35.56	12.84	38.30	14.45	43.77	17.98	45.11	18.98
46	24.62	9.19	27.35	10.26	32.82	12.78	35.56	14.46	38.30	16.26	38.68	15.39	38.95	15.01	
48	24.62	9.85	27.35	10.99	32.82	13.84	33.51	14.07	33.78	13.67	34.40	12.84	34.37	12.22	
50	24.62	10.55	27.35	11.78	28.84	11.96	29.12	11.70	29.23	11.32	29.79	10.76	30.26	10.59	
52	23.73	10.82	23.90	10.52	24.50	10.07	24.83	9.89	25.16	9.71	25.00	8.86	24.89	8.42	
55	16.72	8.08	16.95	7.90	16.97	7.31	16.72	6.89	17.29	6.88	17.07	6.27	17.70	6.24	
60%	-15	21.10	2.36	23.45	2.56	28.14	2.99	30.48	3.24	32.82	3.47	37.51	3.95	42.20	4.41
	-10	21.10	2.36	23.45	2.58	28.14	3.04	30.48	3.24	32.82	3.49	37.51	3.96	42.20	4.45
	-5	21.10	2.37	23.45	2.58	28.14	3.06	30.48	3.29	32.82	3.52	37.51	3.98	42.20	4.45
	-2	21.10	2.38	23.45	2.61	28.14	3.07	30.48	3.30	32.82	3.53	37.51	3.98	42.20	4.46
	0	21.10	2.38	23.45	2.61	28.14	3.12	30.48	3.32	32.82	3.56	37.51	4.04	42.20	4.47
	2	21.10	2.39	23.45	2.65	28.14	3.13	30.48	3.33	32.82	3.57	37.51	4.06	42.20	4.51
	4	21.10	2.40	23.45	2.65	28.14	3.13	30.48	3.35	32.82	3.61	37.51	4.08	42.20	4.62
	6	21.10	2.40	23.45	2.66	28.14	3.13	30.48	3.39	32.82	3.62	37.51	4.15	42.20	4.71
	8	21.10	2.41	23.45	2.68	28.14	3.17	30.48	3.41	32.82	3.71	37.51	4.17	42.20	4.73
	10	21.10	2.43	23.45	2.69	28.14	3.19	30.48	3.50	32.82	3.72	37.51	4.31	42.20	4.93
	12	21.10	2.44	23.45	2.70	28.14	3.20	30.48	3.55	32.82	3.75	37.51	4.33	42.20	5.02
	14	21.10	2.45	23.45	2.72	28.14	3.20	30.48	3.56	32.82	3.79	37.51	4.38	42.20	5.20
	17	21.10	2.46	23.45	2.76	28.14	3.23	30.48	3.60	32.82	4.05	37.51	4.89	42.20	5.94
	20	21.10	2.57	23.45	3.00	28.14	3.98	30.48	4.33	32.82	4.70	37.51	5.48	42.20	6.70
	22	21.10	3.32	23.45	3.62	28.14	4.31	30.48	4.70	32.82	5.09	37.51	5.95	42.20	7.25
	25	21.10	3.71	23.45	4.06	28.14	4.84	30.48	5.27	32.82	5.72	37.51	6.69	42.20	8.18
	27	21.10	3.99	23.45	4.37	28.14	5.22	30.48	5.69	32.82	6.18	37.51	7.21	42.20	8.91
	29	21.10	4.29	23.45	4.71	28.14	5.62	30.48	6.13	32.82	6.65	37.51	7.79	42.20	9.69
	31	21.10	4.61	23.45	5.05	28.14	6.05	30.48	6.59	32.82	7.17	37.51	8.39	42.20	10.49
	33	21.10	4.94	23.45	5.43	28.14	6.50	30.48	7.09	32.82	7.72	37.51	9.03	42.20	11.38
	35	21.10	5.31	23.45	5.83	28.14	6.99	30.48	7.63	32.82	8.31	37.51	9.72	42.20	12.31
	37	21.10	5.68	23.45	6.26	28.14	7.51	30.48	8.18	32.82	8.93	37.51	10.46	42.20	13.32
	39	21.10	6.09	23.45	6.70	28.14	8.06	30.48	8.78	32.82	9.58	37.51	11.37	42.20	14.40
	41	21.10	6.52	23.45	7.18	28.14	8.64	30.48	9.43	32.82	10.28	37.51	12.31	42.20	15.58
	43	21.10	6.98	23.45	7.70	28.14	9.26	30.48	10.13	32.82	11.03	37.51	13.35	42.20	16.83
46	21.10	7.72	23.45	8.53	28.14	10.29	30.48	11.24	32.82	12.31	37.51	15.05	38.48	15.59	
48	21.10	8.27	23.45	9.13	28.14	11.03	30.48	12.06	32.82	13.32	33.96	13.28	34.18	12.82	
50	21.10	8.85	23.45	9.78	28.14	11.83	28.95	12.05	29.13	11.73	29.62	11.15	29.72	10.76	
52	21.10	9.47	23.45	10.49	24.21	10.25	24.37	9.97	24.51	9.68	24.74	9.08	25.09	8.88	
55	16.41	8.07	16.67	7.88	17.05	7.52	16.81	7.11	16.97	6.89	18.15	6.86	17.36	6.26	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.6:18HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		22		23.3		25.8		27		28.2		30.7		32	
		15	16	18	19	20	22	24							
		KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	
50%	-15	17.58	1.97	19.54	2.17	23.45	2.51	25.40	2.73	27.35	2.91	31.26	3.29	35.17	3.68
	-10	17.58	1.99	19.54	2.19	23.45	2.56	25.40	2.77	27.35	2.95	31.26	3.32	35.17	3.71
	-5	17.58	2.00	19.54	2.20	23.45	2.58	25.40	2.77	27.35	2.96	31.26	3.35	35.17	3.71
	-2	17.58	2.02	19.54	2.21	23.45	2.59	25.40	2.78	27.35	2.97	31.26	3.36	35.17	3.74
	0	17.58	2.02	19.54	2.22	23.45	2.61	25.40	2.79	27.35	3.02	31.26	3.38	35.17	3.79
	2	17.58	2.02	19.54	2.23	23.45	2.62	25.40	2.79	27.35	3.04	31.26	3.44	35.17	3.81
	4	17.58	2.03	19.54	2.24	23.45	2.63	25.40	2.81	27.35	3.07	31.26	3.45	35.17	3.84
	6	17.58	2.03	19.54	2.24	23.45	2.63	25.40	2.85	27.35	3.08	31.26	3.51	35.17	3.86
	8	17.58	2.03	19.54	2.25	23.45	2.63	25.40	2.88	27.35	3.09	31.26	3.53	35.17	3.89
	10	17.58	2.04	19.54	2.25	23.45	2.64	25.40	2.89	27.35	3.11	31.26	3.53	35.17	3.99
	12	17.58	2.05	19.54	2.26	23.45	2.65	25.40	2.90	27.35	3.15	31.26	3.56	35.17	4.06
	14	17.58	2.06	19.54	2.27	23.45	2.69	25.40	2.91	27.35	3.15	31.26	3.62	35.17	4.11
	17	17.58	2.09	19.54	2.31	23.45	2.71	25.40	2.93	27.35	3.16	31.26	3.99	35.17	4.62
	20	17.58	2.19	19.54	2.36	23.45	3.05	25.40	3.59	27.35	3.80	31.26	4.21	35.17	5.03
	22	17.58	2.30	19.54	2.83	23.45	3.45	25.40	3.71	27.35	3.98	31.26	4.54	35.17	5.44
	25	17.58	2.76	19.54	3.22	23.45	3.88	25.40	4.18	27.35	4.49	31.26	5.13	35.17	6.13
	27	17.58	3.02	19.54	3.48	23.45	4.19	25.40	4.51	27.35	4.84	31.26	5.54	35.17	6.61
	29	17.58	3.28	19.54	3.76	23.45	4.51	25.40	4.86	27.35	5.23	31.26	5.99	35.17	7.13
	31	17.58	3.55	19.54	4.21	23.45	4.86	25.40	5.24	27.35	5.64	31.26	6.46	35.17	7.70
	33	17.58	3.83	19.54	4.48	23.45	5.22	25.40	5.64	27.35	6.08	31.26	6.96	35.17	8.28
35	17.58	4.11	19.54	4.79	23.45	5.61	25.40	6.06	27.35	6.53	31.26	7.49	35.17	8.89	
37	17.58	4.41	19.54	5.13	23.45	6.02	25.40	6.51	27.35	7.02	31.26	8.05	35.17	9.58	
39	17.58	4.97	19.54	5.50	23.45	6.46	25.40	7.00	27.35	7.53	31.26	8.67	35.17	10.29	
41	17.58	5.27	19.54	5.89	23.45	6.94	25.40	7.50	27.35	8.09	31.26	9.32	35.17	11.06	
43	17.58	5.64	19.54	6.31	23.45	7.44	25.40	8.05	27.35	8.68	31.26	9.99	35.17	11.95	
46	17.58	6.25	19.54	6.99	23.45	8.26	25.40	8.94	27.35	9.65	31.26	11.11	35.17	13.47	
48	17.58	6.70	19.54	7.47	23.45	8.85	25.40	9.58	27.35	10.35	31.26	11.93	33.87	13.72	
50	17.58	7.31	19.54	8.00	23.45	9.48	25.40	10.27	27.35	11.09	29.23	11.58	29.37	11.24	
52	17.58	7.83	19.54	8.57	23.45	10.16	24.13	10.30	24.31	10.04	24.65	9.48	24.99	9.29	
55	16.24	8.18	16.40	7.97	16.60	7.51	16.76	7.32	17.29	7.32	17.22	6.67	18.24	6.86	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table2-8.7:20HP cooling capacity

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		22		23.3		25.8		27		28.2		30.7		32	
		15	16	18	19	20	22	24							
130%	-15	50.40	5.39	56.00	6.07	67.20	7.41	72.80	9.47	78.40	12.17	82.04	12.40	83.56	12.44
	-10	50.40	5.41	56.00	6.29	67.20	8.98	72.80	11.72	78.40	12.60	81.52	12.81	83.52	12.87
	-5	50.40	5.55	56.00	6.32	67.20	10.02	72.80	12.29	78.40	13.03	81.24	13.22	83.47	13.29
	-2	50.40	5.77	56.00	7.35	67.20	10.26	72.80	12.32	78.40	13.45	80.87	13.63	83.42	13.72
	0	50.40	5.94	56.00	7.53	67.20	10.34	72.80	12.33	78.40	13.88	80.97	14.05	83.37	14.14
	2	50.40	6.41	56.00	7.54	67.20	10.65	72.80	12.45	78.40	14.30	80.56	14.46	82.80	14.75
	4	50.40	6.55	56.00	7.75	67.20	10.80	72.80	12.94	76.65	14.89	80.34	14.99	82.53	14.94
	6	50.40	6.57	56.00	7.83	67.20	10.92	72.80	13.20	76.39	15.10	80.17	15.18	82.23	15.20
	8	50.40	6.67	56.00	7.95	67.20	11.27	72.80	13.66	76.14	15.38	79.86	15.53	81.47	15.73
	10	50.40	6.74	56.00	8.14	67.20	11.56	72.80	14.05	75.47	15.93	78.78	16.25	80.14	16.47
	12	50.40	6.98	56.00	8.44	67.20	12.20	72.80	15.38	74.50	16.61	77.96	16.90	78.82	17.21
	14	50.40	7.26	56.00	8.93	67.20	13.42	72.80	16.84	73.61	17.25	76.94	17.58	78.32	17.81
	17	50.40	8.14	56.00	10.05	67.20	15.34	70.57	18.10	72.15	18.24	75.36	18.62	76.55	18.88
	20	50.40	9.27	56.00	11.40	67.20	17.55	69.09	19.08	70.68	19.27	73.87	19.63	76.18	19.78
	22	50.40	10.09	56.00	12.34	67.20	19.15	68.10	19.74	69.64	19.93	72.89	20.31	73.91	20.62
	25	50.40	11.35	56.00	13.84	65.14	20.57	66.58	20.76	68.22	20.93	70.95	21.40	73.49	21.56
	27	50.40	12.28	56.00	14.95	64.15	21.24	65.53	21.47	67.10	21.65	69.67	22.17	71.12	22.42
	29	50.40	13.26	56.00	16.21	63.08	21.97	64.48	22.19	66.08	22.39	68.57	22.91	69.98	23.17
	31	50.40	14.33	56.00	17.73	62.05	22.66	63.48	22.90	65.01	23.11	67.45	23.67	68.59	24.07
	33	50.40	15.43	56.00	19.40	60.99	23.42	62.35	23.69	63.84	23.87	66.74	24.36	67.17	24.92
	35	50.40	16.64	56.00	21.26	59.94	24.17	61.29	24.44	62.80	24.65	65.41	25.20	68.25	25.39
	37	50.40	18.00	56.00	23.39	58.90	24.99	60.27	25.21	61.77	25.46	64.22	26.03	66.99	26.24
	39	50.40	19.75	56.00	25.83	57.69	25.84	58.98	26.12	60.33	26.37	62.79	26.92	63.36	27.35
	41	50.40	21.78	53.81	26.16	56.51	26.73	57.89	26.94	59.42	27.20	60.86	27.93	62.00	27.92
	43	50.40	24.15	52.69	27.05	55.46	27.59	56.71	27.52	57.30	26.45	57.21	24.19	57.73	23.13
	46	47.51	24.45	48.26	23.57	49.01	21.13	50.12	20.67	50.43	20.00	50.43	18.06	51.16	17.64
	48	42.60	19.72	43.25	19.19	43.64	18.18	43.82	17.47	44.12	16.74	45.44	15.45	44.86	15.14
	50	37.38	16.33	37.15	15.69	38.61	14.69	38.31	14.32	38.12	13.61	39.02	13.04	38.78	12.36
	52	31.28	13.16	31.91	13.01	32.63	12.44	32.25	11.77	33.21	11.83	33.80	11.18	33.32	10.44
	55	23.22	9.23	22.63	8.61	22.71	7.97	23.51	7.96	24.32	7.96	24.30	7.21	25.20	7.18
120%	-15	46.52	4.95	51.69	5.56	62.03	6.94	67.20	7.52	72.37	9.70	79.48	13.14	80.77	13.39
	-10	46.52	5.00	51.69	5.79	62.03	7.01	67.20	9.41	72.37	11.61	79.03	13.43	80.38	13.66
	-5	46.52	5.11	51.69	5.95	62.03	9.02	67.20	10.17	72.37	12.20	78.82	13.72	79.99	13.93
	-2	46.52	5.27	51.69	6.01	62.03	9.10	67.20	10.52	72.37	12.52	78.41	14.01	79.60	14.21
	0	46.52	5.47	51.69	6.62	62.03	9.11	67.20	10.53	72.37	12.53	78.07	14.30	79.21	14.48
	2	46.52	5.56	51.69	6.72	62.03	9.24	67.20	10.67	72.37	12.56	78.06	14.58	79.63	14.75
	4	46.52	5.76	51.69	6.79	62.03	9.35	67.20	10.77	72.37	13.11	77.83	14.90	79.66	15.03
	6	46.52	5.85	51.69	6.94	62.03	9.38	67.20	10.96	72.37	13.40	77.60	15.10	79.23	15.28
	8	46.52	5.93	51.69	7.05	62.03	9.63	67.20	11.39	72.37	13.58	77.28	15.47	79.15	15.57
	10	46.52	5.96	51.69	7.07	62.03	10.00	67.20	11.85	72.37	14.21	76.41	16.13	78.29	16.26
	12	46.52	6.06	51.69	7.38	62.03	10.46	67.20	12.56	72.37	15.58	75.48	16.80	77.35	16.94
	14	46.52	6.36	51.69	7.75	62.03	11.25	67.20	13.83	72.37	17.05	74.52	17.49	76.17	17.66
	17	46.52	7.14	51.69	8.70	62.03	12.74	67.20	15.83	69.99	18.13	73.30	18.47	74.64	18.68
	20	46.52	8.11	51.69	9.89	62.03	14.53	67.20	18.03	68.53	19.13	71.66	19.50	73.84	19.66
	22	46.52	8.80	51.69	10.76	62.03	15.88	67.20	19.74	67.60	19.79	70.68	20.19	72.85	20.35
	25	46.52	9.97	51.69	12.13	62.03	18.10	64.66	20.63	66.09	20.83	69.22	21.24	70.16	21.54
	27	46.52	10.80	51.69	13.08	62.03	19.80	63.66	21.34	65.05	21.54	68.09	21.96	69.11	22.27
	29	46.52	11.70	51.69	14.17	62.03	21.63	62.61	22.07	64.05	22.26	66.98	22.70	68.02	23.02
	31	46.52	12.66	51.69	15.24	60.25	22.56	61.61	22.79	63.08	22.97	66.15	23.42	67.20	23.73
	33	46.52	13.65	51.69	16.47	59.21	23.33	60.59	23.53	61.94	23.78	65.25	24.20	66.96	24.44
	35	46.52	14.74	51.69	17.90	58.19	24.08	59.57	24.28	61.01	24.51	64.09	24.99	64.26	25.44
	37	46.52	15.89	51.69	19.61	57.18	24.85	58.49	25.11	59.90	25.33	62.67	25.84	63.10	26.24
	39	46.52	17.15	51.69	21.57	56.08	25.68	57.46	25.91	58.76	26.16	61.12	26.79	61.95	27.04
	41	46.52	18.57	51.69	23.82	54.96	26.58	56.31	26.80	57.69	27.07	60.25	27.59	62.68	27.50
	43	46.52	20.28	51.69	26.43	53.95	27.47	55.20	27.69	56.12	27.29	57.96	25.17	56.54	23.66
	46	46.52	23.72	47.27	24.03	48.04	22.05	48.45	20.63	48.03	20.06	50.09	18.85	50.41	18.16
	48	41.88	20.10	42.06	19.31	43.04	18.04	42.96	17.71	43.11	17.00	43.58	15.51	43.71	15.09
	50	36.58	16.60	36.97	15.86	37.38	15.04	37.37	14.29	37.67	13.81	38.05	13.01	39.16	13.10
	52	30.94	13.37	31.57	13.22	31.49	12.17	31.51	11.75	32.44	11.81	33.01	11.16	32.54	10.43
	55	22.76	9.22	22.18	8.60	23.78	8.64	23.02	7.97	23.82	7.96	23.80	7.22	24.67	7.19

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.7:20HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		22		23.3		25.8		27		28.2		30.7		32	
		15	16	18	19	20	22	24							
110%	-15	42.65	4.61	47.38	5.07	56.86	6.34	61.60	6.97	66.34	7.54	75.82	12.60	78.56	14.19
	-10	42.65	4.63	47.38	5.18	56.86	6.57	61.60	7.13	66.34	9.32	75.82	13.31	77.97	14.53
	-5	42.65	4.64	47.38	5.32	56.86	7.05	61.60	9.13	66.34	10.09	75.82	13.41	77.90	14.44
	-2	42.65	4.72	47.38	5.39	56.86	7.70	61.60	9.15	66.34	10.46	75.82	13.81	77.49	14.50
	0	42.65	4.93	47.38	5.58	56.86	7.85	61.60	9.19	66.34	10.46	75.82	13.87	77.48	14.66
	2	42.65	5.07	47.38	5.81	56.86	8.03	61.60	9.25	66.34	10.50	75.82	14.40	77.10	14.80
	4	42.65	5.18	47.38	5.96	56.86	8.15	61.60	9.29	66.34	10.61	75.82	14.60	76.89	14.92
	6	42.65	5.28	47.38	5.99	56.86	8.18	61.60	9.45	66.34	10.88	75.82	15.00	76.71	15.13
	8	42.65	5.28	47.38	6.03	56.86	8.34	61.60	9.66	66.34	11.22	75.82	15.51	76.39	15.50
	10	42.65	5.36	47.38	6.21	56.86	8.60	61.60	10.05	66.34	11.73	73.91	16.00	75.72	16.14
	12	42.65	5.49	47.38	6.30	56.86	8.95	61.60	10.49	66.34	12.44	73.04	16.68	74.86	16.81
	14	42.65	5.62	47.38	6.67	56.86	9.53	61.60	11.29	66.34	13.68	72.10	17.36	73.78	17.50
	17	42.65	6.19	47.38	7.48	56.86	10.76	61.60	12.80	66.34	15.64	70.79	18.34	72.37	18.52
	20	42.65	7.08	47.38	8.51	56.86	12.18	61.60	14.69	66.34	17.92	69.37	19.35	71.10	19.53
	22	42.65	7.63	47.38	9.25	56.86	13.20	61.60	16.01	66.34	19.58	68.39	20.04	70.09	20.23
	25	42.65	8.64	47.38	10.46	56.86	14.83	61.60	18.24	64.00	20.71	66.94	21.11	68.66	21.30
	27	42.65	9.37	47.38	11.33	56.86	16.24	61.60	19.98	63.07	21.37	66.05	21.79	66.72	22.12
	29	42.65	10.20	47.38	12.29	56.86	17.70	61.60	21.89	62.07	22.10	65.03	22.52	66.19	22.79
	31	42.65	11.05	47.38	13.26	56.86	19.37	59.77	22.62	61.07	22.84	64.02	23.29	64.89	23.60
	33	42.65	11.94	47.38	14.30	56.86	21.19	58.76	23.38	60.05	23.61	62.97	24.06	64.00	24.36
	35	42.65	12.91	47.38	15.45	56.86	23.27	57.73	24.16	59.03	24.38	61.91	24.86	62.92	25.17
	37	42.65	13.91	47.38	16.64	55.47	24.72	56.69	24.98	58.10	25.18	60.61	25.70	62.53	25.92
	39	42.65	15.06	47.38	17.99	54.43	25.55	55.69	25.78	56.99	26.02	60.00	26.53	60.52	26.91
	41	42.65	16.26	47.38	19.59	53.34	26.44	54.57	26.67	55.86	26.91	58.14	27.51	59.78	27.69
	43	42.65	17.56	47.38	21.68	52.27	27.34	53.57	27.55	54.72	27.86	55.49	25.48	55.85	24.79
	46	42.65	19.85	46.26	24.51	47.08	22.24	47.42	21.50	47.86	20.76	48.71	18.77	49.02	18.08
	48	41.14	20.43	41.45	19.62	42.15	18.26	41.78	17.64	42.23	17.22	43.39	15.65	42.98	15.32
	50	35.78	16.69	36.10	16.13	36.74	15.27	36.74	14.53	36.69	13.78	37.96	13.47	38.14	13.06
52	30.25	13.34	30.43	12.96	30.72	12.16	31.63	12.21	31.65	11.79	32.19	11.15	31.74	10.42	
55	21.85	9.01	21.72	8.60	23.27	8.63	22.53	7.97	23.29	7.97	23.24	7.24	24.09	7.21	
100%	-15	38.77	4.25	43.08	4.71	51.69	5.76	56.00	6.37	60.31	6.84	68.92	8.46	74.44	8.93
	-10	38.77	4.26	43.08	4.72	51.69	5.97	56.00	6.57	60.31	7.00	68.92	11.09	74.44	9.71
	-5	38.77	4.29	43.08	4.77	51.69	6.07	56.00	6.95	60.31	8.81	68.92	11.14	74.70	10.49
	-2	38.77	4.30	43.08	4.87	51.69	6.24	56.00	7.60	60.31	8.85	68.92	11.19	74.44	11.27
	0	38.77	4.46	43.08	5.05	51.69	6.76	56.00	7.69	60.31	8.89	68.92	11.66	74.44	12.04
	2	38.77	4.62	43.08	5.23	51.69	6.91	56.00	7.90	60.31	8.90	68.92	11.72	74.03	12.82
	4	38.77	4.63	43.08	5.23	51.69	6.92	56.00	8.00	60.31	9.01	68.92	11.76	73.92	13.60
	6	38.77	4.67	43.08	5.39	51.69	6.98	56.00	8.03	60.31	9.13	68.92	12.02	73.72	14.38
	8	38.77	4.82	43.08	5.45	51.69	7.12	56.00	8.19	60.31	9.37	68.92	12.49	73.47	15.16
	10	38.77	4.86	43.08	5.45	51.69	7.32	56.00	8.49	60.31	9.74	68.92	13.08	72.89	16.01
	12	38.77	4.93	43.08	5.54	51.69	7.53	56.00	8.80	60.31	10.22	68.92	14.10	72.03	16.67
	14	38.77	5.02	43.08	5.73	51.69	7.92	56.00	9.35	60.31	10.95	68.92	15.47	71.13	17.37
	17	38.77	5.45	43.08	6.40	51.69	8.99	56.00	10.63	60.31	12.47	68.92	17.74	69.80	18.38
	20	38.77	6.29	43.08	7.22	51.69	10.19	56.00	12.03	60.31	14.17	66.94	19.21	68.36	19.42
	22	38.77	6.78	43.08	7.82	51.69	11.08	56.00	13.03	60.31	15.48	66.06	19.86	67.60	20.05
	25	38.77	7.59	43.08	8.88	51.69	12.52	56.00	14.64	60.31	17.65	64.64	20.93	66.28	21.11
	27	38.77	8.17	43.08	9.68	51.69	13.51	56.00	15.90	60.31	19.30	63.68	21.64	65.16	21.86
	29	38.77	8.80	43.08	10.47	51.69	14.58	56.00	17.41	60.31	21.16	62.73	22.36	64.29	22.56
	31	38.77	9.50	43.08	11.35	51.69	15.73	56.00	19.01	60.31	23.11	61.76	23.09	63.21	23.35
	33	38.77	10.28	43.08	12.28	51.69	17.02	56.00	20.87	58.08	23.44	60.90	23.87	62.43	24.10
	35	38.77	11.15	43.08	13.26	51.69	18.59	56.00	22.86	57.15	24.19	59.87	24.64	60.71	24.97
	37	38.77	12.04	43.08	14.32	51.69	20.45	56.00	25.18	56.14	25.00	58.78	25.48	59.89	25.77
	39	38.77	13.04	43.08	15.49	51.69	22.59	56.00	27.11	55.12	25.85	57.75	26.32	59.48	26.59
	41	38.77	14.09	43.08	16.74	51.69	24.84	56.00	29.16	54.07	26.72	56.71	27.24	58.31	27.47
	43	38.77	15.25	43.08	18.09	51.69	27.59	52.84	23.92	53.05	27.64	54.60	25.88	55.33	25.15
	46	38.77	17.17	43.08	20.46	46.20	23.12	46.43	21.83	46.68	20.93	48.44	19.79	48.19	18.55
	48	38.77	18.66	40.69	20.07	41.24	18.61	41.42	18.09	41.58	17.70	41.91	16.27	42.39	15.83
	50	35.28	17.01	35.50	16.33	36.16	15.16	36.05	14.76	36.68	14.58	36.91	13.42	37.07	13.02
52	29.85	13.53	30.30	13.12	30.32	12.37	30.80	12.19	31.28	12.01	31.35	11.13	32.31	11.18	
55	21.78	9.21	22.14	9.03	22.73	8.63	22.04	7.97	22.77	7.97	22.73	7.24	23.55	7.21	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...



Table2-8.7:20HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		22		23.3		25.8		27		28.2		30.7		32	
		15	16	18	19	20	22	24							
90%	-15	34.89	3.84	38.77	4.23	46.52	5.00	50.40	5.52	54.28	5.96	62.03	7.06	69.78	9.04
	-10	34.89	3.85	38.77	4.24	46.52	5.01	50.40	5.59	54.28	6.14	62.03	7.11	69.78	11.14
	-5	34.89	3.89	38.77	4.26	46.52	5.20	50.40	5.83	54.28	6.37	62.03	8.48	69.78	11.83
	-2	34.89	3.92	38.77	4.30	46.52	5.43	50.40	6.01	54.28	6.94	62.03	8.58	69.78	11.87
	0	34.89	3.95	38.77	4.39	46.52	5.46	50.40	6.16	54.28	7.06	62.03	9.01	69.78	11.91
	2	34.89	4.03	38.77	4.47	46.52	5.49	50.40	6.29	54.28	7.14	62.03	9.09	69.78	11.94
	4	34.89	4.03	38.77	4.59	46.52	5.60	50.40	6.29	54.28	7.25	62.03	9.16	69.78	12.44
	6	34.89	4.12	38.77	4.67	46.52	5.62	50.40	6.47	54.28	7.28	62.03	9.29	69.78	12.73
	8	34.89	4.21	38.77	4.69	46.52	5.78	50.40	6.57	54.28	7.47	62.03	9.52	69.78	13.10
	10	34.89	4.26	38.77	4.70	46.52	5.79	50.40	6.62	54.28	7.67	62.03	9.81	69.78	13.60
	12	34.89	4.29	38.77	4.74	46.52	5.95	50.40	6.90	54.28	7.95	62.03	10.29	69.78	14.85
	14	34.89	4.29	38.77	4.86	46.52	6.19	50.40	7.26	54.28	8.43	62.03	11.14	69.78	16.29
	17	34.89	4.56	38.77	5.29	46.52	7.01	50.40	8.22	54.28	9.57	62.03	12.67	68.30	18.17
	20	34.89	5.40	38.77	6.11	46.52	7.99	50.40	9.36	54.28	10.88	62.03	14.44	66.97	19.19
	22	34.89	5.82	38.77	6.61	46.52	8.71	50.40	10.20	54.28	11.85	62.03	15.80	66.06	19.87
	25	34.89	6.53	38.77	7.40	46.52	9.88	50.40	11.52	54.28	13.32	62.03	18.06	64.69	20.93
	27	34.89	7.04	38.77	7.97	46.52	10.74	50.40	12.50	54.28	14.41	62.03	19.79	63.77	21.63
	29	34.89	7.55	38.77	8.59	46.52	11.67	50.40	13.51	54.28	15.54	62.03	21.63	62.85	22.34
	31	34.89	8.12	38.77	9.25	46.52	12.60	50.40	14.60	54.28	16.87	60.51	22.88	62.05	23.11
	33	34.89	8.73	38.77	9.96	46.52	13.63	50.40	15.75	54.28	18.48	59.56	23.65	60.96	23.88
	35	34.89	9.39	38.77	10.83	46.52	14.74	50.40	17.02	54.28	20.29	58.57	24.44	59.96	24.67
	37	34.89	10.08	38.77	11.72	46.52	15.92	50.40	18.47	54.28	22.29	57.58	25.27	58.95	25.51
	39	34.89	10.82	38.77	12.68	46.52	17.18	50.40	20.29	54.28	24.58	56.55	26.13	57.97	26.36
	41	34.89	11.66	38.77	13.72	46.52	18.60	50.40	22.43	53.08	26.50	55.54	27.00	56.84	27.30
	43	34.89	12.62	38.77	14.86	46.52	20.26	50.40	24.78	52.02	27.44	54.06	27.15	54.27	25.99
46	34.89	14.20	38.77	16.71	46.52	23.73	46.28	22.72	46.60	21.55	47.17	20.03	46.98	19.42	
48	34.89	15.38	38.77	18.14	41.15	19.13	41.36	18.38	41.82	17.80	41.87	16.75	42.34	16.32	
50	34.89	16.72	35.46	16.72	36.00	15.69	36.29	14.92	36.17	14.52	36.38	13.37	36.63	12.97	
52	29.95	13.70	30.31	13.31	30.34	12.57	30.43	12.16	30.89	11.98	30.96	11.11	31.90	11.15	
55	21.20	8.99	21.53	8.81	22.55	8.63	21.85	7.97	22.56	7.97	22.54	7.25	23.34	7.23	
80%	-15	31.02	3.43	34.46	3.78	41.35	4.45	44.80	4.79	48.25	5.16	55.14	6.03	62.03	7.14
	-10	31.02	3.45	34.46	3.78	41.35	4.46	44.80	4.80	48.25	5.17	55.14	6.29	62.03	7.14
	-5	31.02	3.46	34.46	3.80	41.35	4.47	44.80	4.81	48.25	5.31	55.14	6.53	62.03	8.58
	-2	31.02	3.46	34.46	3.81	41.35	4.50	44.80	5.02	48.25	5.56	55.14	6.83	62.03	8.67
	0	31.02	3.47	34.46	3.86	41.35	4.67	44.80	5.19	48.25	5.58	55.14	6.84	62.03	9.11
	2	31.02	3.55	34.46	3.89	41.35	4.80	44.80	5.23	48.25	5.66	55.14	6.98	62.03	9.17
	4	31.02	3.58	34.46	3.99	41.35	4.85	44.80	5.26	48.25	5.71	55.14	7.05	62.03	9.24
	6	31.02	3.65	34.46	4.03	41.35	4.88	44.80	5.29	48.25	5.75	55.14	7.07	62.03	9.38
	8	31.02	3.66	34.46	4.09	41.35	4.91	44.80	5.29	48.25	5.79	55.14	7.08	62.03	9.60
	10	31.02	3.68	34.46	4.11	41.35	4.97	44.80	5.34	48.25	5.84	55.14	7.37	62.03	9.89
	12	31.02	3.68	34.46	4.11	41.35	5.01	44.80	5.38	48.25	6.02	55.14	7.74	62.03	10.39
	14	31.02	3.71	34.46	4.13	41.35	5.05	44.80	5.65	48.25	6.34	55.14	8.22	62.03	11.28
	17	31.02	3.81	34.46	4.32	41.35	5.60	44.80	6.42	48.25	7.20	55.14	9.38	62.03	12.78
	20	31.02	4.38	34.46	5.15	41.35	6.45	44.80	7.19	48.25	8.24	55.14	10.68	62.03	14.60
	22	31.02	4.96	34.46	5.56	41.35	6.97	44.80	7.81	48.25	8.99	55.14	11.62	62.03	16.00
	25	31.02	5.56	34.46	6.23	41.35	7.80	44.80	8.86	48.25	10.20	55.14	13.14	62.03	18.26
	27	31.02	6.00	34.46	6.72	41.35	8.42	44.80	9.68	48.25	11.07	55.14	14.20	62.03	19.97
	29	31.02	6.44	34.46	7.26	41.35	9.10	44.80	10.50	48.25	12.00	55.14	15.37	62.03	21.88
	31	31.02	6.93	34.46	7.79	41.35	9.89	44.80	11.39	48.25	13.01	55.14	16.61	60.30	22.86
	33	31.02	7.44	34.46	8.40	41.35	10.75	44.80	12.33	48.25	14.07	55.14	18.20	59.39	23.61
	35	31.02	8.00	34.46	9.01	41.35	11.65	44.80	13.37	48.25	15.22	55.14	19.92	58.42	24.43
	37	31.02	8.60	34.46	9.71	41.35	12.59	44.80	14.42	48.25	16.41	55.14	21.97	57.52	25.21
	39	31.02	9.23	34.46	10.40	41.35	13.66	44.80	15.63	48.25	17.77	55.14	24.23	56.51	26.09
	41	31.02	9.89	34.46	11.18	41.35	14.75	44.80	16.89	48.25	19.21	55.14	26.83	55.49	26.98
	43	31.02	10.62	34.46	12.01	41.35	15.98	44.80	18.30	48.25	21.22	53.25	27.64	54.20	27.11
46	31.02	11.81	34.46	13.56	41.35	18.02	44.80	20.72	46.39	22.72	46.95	20.70	47.73	20.00	
48	31.02	12.66	34.46	14.70	41.35	19.59	41.14	18.95	41.44	18.26	41.95	17.17	42.10	16.78	
50	31.02	13.65	34.46	15.95	35.84	16.02	36.13	15.41	36.60	14.95	36.47	13.79	36.73	13.40	
52	29.88	14.06	30.16	13.64	30.31	12.76	31.09	12.83	31.19	12.42	31.37	11.57	31.39	11.13	
55	21.39	9.19	22.14	9.22	21.87	8.40	22.57	8.41	22.31	7.97	22.25	7.27	23.14	7.23	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.7:20HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		22		23.3		25.8		27		28.2		30.7		32	
		15	16	18	19	20	22	24							
		KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	
70%	-15	27.14	3.00	30.15	3.31	36.18	3.90	39.20	4.21	42.22	4.50	48.25	5.14	54.28	5.95
	-10	27.14	3.04	30.15	3.32	36.18	3.92	39.20	4.23	42.22	4.52	48.25	5.15	54.28	6.17
	-5	27.14	3.05	30.15	3.36	36.18	3.95	39.20	4.27	42.22	4.54	48.25	5.30	54.28	6.43
	-2	27.14	3.07	30.15	3.36	36.18	3.96	39.20	4.28	42.22	4.59	48.25	5.37	54.28	6.51
	0	27.14	3.12	30.15	3.37	36.18	4.02	39.20	4.29	42.22	4.64	48.25	5.39	54.28	6.69
	2	27.14	3.14	30.15	3.41	36.18	4.03	39.20	4.34	42.22	4.77	48.25	5.43	54.28	6.84
	4	27.14	3.14	30.15	3.42	36.18	4.06	39.20	4.37	42.22	4.78	48.25	5.46	54.28	6.93
	6	27.14	3.16	30.15	3.46	36.18	4.08	39.20	4.43	42.22	4.82	48.25	5.57	54.28	6.95
	8	27.14	3.17	30.15	3.52	36.18	4.13	39.20	4.51	42.22	4.82	48.25	5.58	54.28	7.06
	10	27.14	3.18	30.15	3.52	36.18	4.28	39.20	4.55	42.22	4.95	48.25	5.60	54.28	7.25
	12	27.14	3.18	30.15	3.54	36.18	4.28	39.20	4.55	42.22	5.01	48.25	5.66	54.28	7.51
	14	27.14	3.19	30.15	3.58	36.18	4.33	39.20	4.70	42.22	5.10	48.25	5.94	54.28	8.00
	17	27.14	3.21	30.15	3.70	36.18	4.42	39.20	4.96	42.22	5.54	48.25	6.75	54.28	9.10
	20	27.14	3.51	30.15	4.08	36.18	5.24	39.20	5.80	42.22	6.36	48.25	7.75	54.28	10.37
	22	27.14	4.20	30.15	4.65	36.18	5.68	39.20	6.26	42.22	6.91	48.25	8.47	54.28	11.30
	25	27.14	4.69	30.15	5.22	36.18	6.38	39.20	7.05	42.22	7.76	48.25	9.68	54.28	12.79
	27	27.14	5.06	30.15	5.64	36.18	6.89	39.20	7.61	42.22	8.40	48.25	10.53	54.28	13.84
	29	27.14	5.45	30.15	6.06	36.18	7.44	39.20	8.20	42.22	9.06	48.25	11.45	54.28	14.98
	31	27.14	5.86	30.15	6.52	36.18	8.01	39.20	8.86	42.22	9.82	48.25	12.41	54.28	16.13
	33	27.14	6.30	30.15	7.04	36.18	8.63	39.20	9.53	42.22	10.68	48.25	13.44	54.28	17.51
	35	27.14	6.78	30.15	7.53	36.18	9.28	39.20	10.25	42.22	11.62	48.25	14.56	54.28	19.24
	37	27.14	7.27	30.15	8.10	36.18	9.98	39.20	11.11	42.22	12.57	48.25	15.72	54.28	21.16
	39	27.14	7.79	30.15	8.70	36.18	10.72	39.20	12.05	42.22	13.62	48.25	17.01	54.28	23.34
	41	27.14	8.39	30.15	9.34	36.18	11.53	39.20	13.08	42.22	14.76	48.25	18.45	54.28	25.82
	43	27.14	8.97	30.15	10.03	36.18	12.49	39.20	14.17	42.22	15.99	48.25	19.97	52.91	27.56
46	27.14	9.97	30.15	11.16	36.18	14.09	39.20	16.00	42.22	18.04	46.70	21.83	46.99	20.80	
48	27.14	10.70	30.15	11.97	36.18	15.31	39.20	17.37	41.20	19.04	41.77	17.86	42.31	17.12	
50	27.14	11.47	30.15	12.85	36.18	16.62	35.91	15.92	35.99	15.30	36.48	14.25	36.60	13.80	
52	27.14	12.33	30.15	13.83	30.28	13.04	30.51	12.77	30.61	12.37	31.52	12.01	31.21	11.34	
55	21.37	9.26	21.42	9.00	22.40	8.83	21.77	8.19	22.45	8.20	23.42	7.97	22.66	7.26	
60%	-15	23.26	2.54	25.85	2.80	31.02	3.31	33.60	3.59	36.18	3.84	41.35	4.35	46.52	4.93
	-10	23.26	2.58	25.85	2.83	31.02	3.32	33.60	3.60	36.18	3.87	41.35	4.38	46.52	4.95
	-5	23.26	2.61	25.85	2.83	31.02	3.37	33.60	3.63	36.18	3.88	41.35	4.40	46.52	5.00
	-2	23.26	2.62	25.85	2.89	31.02	3.41	33.60	3.65	36.18	3.90	41.35	4.40	46.52	5.05
	0	23.26	2.64	25.85	2.89	31.02	3.42	33.60	3.67	36.18	3.91	41.35	4.41	46.52	5.06
	2	23.26	2.65	25.85	2.93	31.02	3.43	33.60	3.68	36.18	3.94	41.35	4.43	46.52	5.09
	4	23.26	2.66	25.85	2.93	31.02	3.46	33.60	3.72	36.18	3.95	41.35	4.44	46.52	5.23
	6	23.26	2.66	25.85	2.94	31.02	3.48	33.60	3.73	36.18	3.99	41.35	4.46	46.52	5.26
	8	23.26	2.67	25.85	2.96	31.02	3.56	33.60	3.77	36.18	4.01	41.35	4.56	46.52	5.38
	10	23.26	2.68	25.85	2.97	31.02	3.56	33.60	3.77	36.18	4.11	41.35	4.65	46.52	5.39
	12	23.26	2.69	25.85	2.97	31.02	3.58	33.60	3.96	36.18	4.15	41.35	4.66	46.52	5.48
	14	23.26	2.71	25.85	3.02	31.02	3.61	33.60	3.97	36.18	4.24	41.35	4.69	46.52	5.64
	17	23.26	2.74	25.85	3.03	31.02	3.62	33.60	3.97	36.18	4.28	41.35	5.07	46.52	6.40
	20	23.26	2.79	25.85	3.06	31.02	4.01	33.60	4.48	36.18	5.02	41.35	5.87	46.52	7.22
	22	23.26	3.24	25.85	3.83	31.02	4.57	33.60	5.00	36.18	5.43	41.35	6.36	46.52	7.85
	25	23.26	3.68	25.85	4.30	31.02	5.17	33.60	5.62	36.18	6.13	41.35	7.17	46.52	8.96
	27	23.26	3.98	25.85	4.64	31.02	5.57	33.60	6.09	36.18	6.62	41.35	7.77	46.52	9.79
	29	23.26	4.31	25.85	5.01	31.02	6.01	33.60	6.58	36.18	7.15	41.35	8.38	46.52	10.66
	31	23.26	4.67	25.85	5.40	31.02	6.48	33.60	7.10	36.18	7.74	41.35	9.08	46.52	11.57
	33	23.26	5.04	25.85	5.81	31.02	6.98	33.60	7.64	36.18	8.33	41.35	9.79	46.52	12.54
	35	23.26	5.43	25.85	6.26	31.02	7.51	33.60	8.22	36.18	8.95	41.35	10.58	46.52	13.57
	37	23.26	5.87	25.85	6.70	31.02	8.08	33.60	8.83	36.18	9.64	41.35	11.50	46.52	14.71
	39	23.26	6.30	25.85	7.20	31.02	8.68	33.60	9.51	36.18	10.38	41.35	12.50	46.52	15.92
	41	23.26	6.78	25.85	7.73	31.02	9.34	33.60	10.22	36.18	11.14	41.35	13.58	46.52	17.24
	43	23.26	7.40	25.85	8.30	31.02	10.02	33.60	10.98	36.18	12.00	41.35	14.68	46.52	18.66
46	23.26	8.24	25.85	9.22	31.02	11.18	33.60	12.23	36.18	13.53	41.35	16.62	46.52	21.21	
48	23.26	8.84	25.85	9.91	31.02	11.99	33.60	13.15	36.18	14.69	41.35	18.08	41.66	17.95	
50	23.26	9.58	25.85	10.63	31.02	12.89	33.60	14.29	36.18	15.97	36.45	14.94	36.56	14.52	
52	23.26	10.27	25.85	11.39	30.16	13.42	30.37	13.08	30.57	12.76	30.72	11.95	31.14	11.77	
55	21.16	9.40	21.48	9.17	21.96	8.81	21.76	8.40	22.42	8.41	22.47	7.75	23.65	7.98	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.7:20HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		22		23.3		25.8		27		28.2		30.7		32	
		15	16	18	19	20	22	24							
50%	-15	19.38	2.14	21.54	2.33	25.85	2.75	28.00	2.97	30.15	3.20	34.46	3.63	38.77	4.10
	-10	19.38	2.20	21.54	2.40	25.85	2.80	28.00	2.98	30.15	3.24	34.46	3.66	38.77	4.10
	-5	19.38	2.20	21.54	2.43	25.85	2.85	28.00	3.01	30.15	3.26	34.46	3.66	38.77	4.11
	-2	19.38	2.21	21.54	2.46	25.85	2.88	28.00	3.05	30.15	3.27	34.46	3.67	38.77	4.12
	0	19.38	2.24	21.54	2.46	25.85	2.90	28.00	3.08	30.15	3.31	34.46	3.73	38.77	4.16
	2	19.38	2.25	21.54	2.47	25.85	2.94	28.00	3.17	30.15	3.32	34.46	3.75	38.77	4.16
	4	19.38	2.25	21.54	2.49	25.85	2.96	28.00	3.20	30.15	3.37	34.46	3.79	38.77	4.21
	6	19.38	2.25	21.54	2.49	25.85	2.98	28.00	3.22	30.15	3.43	34.46	3.85	38.77	4.24
	8	19.38	2.26	21.54	2.49	25.85	2.98	28.00	3.23	30.15	3.45	34.46	3.86	38.77	4.26
	10	19.38	2.28	21.54	2.50	25.85	2.99	28.00	3.24	30.15	3.47	34.46	3.88	38.77	4.38
	12	19.38	2.28	21.54	2.50	25.85	3.00	28.00	3.25	30.15	3.48	34.46	3.89	38.77	4.43
	14	19.38	2.30	21.54	2.51	25.85	3.03	28.00	3.26	30.15	3.50	34.46	3.96	38.77	4.54
	17	19.38	2.30	21.54	2.53	25.85	3.03	28.00	3.27	30.15	3.55	34.46	4.04	38.77	4.63
	20	19.38	2.32	21.54	2.62	25.85	3.10	28.00	3.37	30.15	3.84	34.46	4.63	38.77	5.33
	22	19.38	2.34	21.54	2.70	25.85	3.72	28.00	3.94	30.15	4.19	34.46	4.82	38.77	5.80
	25	19.38	2.79	21.54	3.08	25.85	4.09	28.00	4.41	30.15	4.74	34.46	5.43	38.77	6.57
	27	19.38	3.07	21.54	3.37	25.85	4.42	28.00	4.78	30.15	5.15	34.46	5.90	38.77	7.08
	29	19.38	3.36	21.54	3.67	25.85	4.80	28.00	5.17	30.15	5.56	34.46	6.38	38.77	7.65
	31	19.38	3.65	21.54	3.98	25.85	5.17	28.00	5.57	30.15	6.02	34.46	6.93	38.77	8.27
	33	19.38	3.97	21.54	4.33	25.85	5.58	28.00	6.03	30.15	6.48	34.46	7.45	38.77	8.90
35	19.38	4.28	21.54	4.69	25.85	5.99	28.00	6.47	30.15	6.99	34.46	8.04	38.77	9.60	
37	19.38	4.62	21.54	5.08	25.85	6.44	28.00	6.99	30.15	7.52	34.46	8.66	38.77	10.35	
39	19.38	4.97	21.54	5.49	25.85	6.92	28.00	7.52	30.15	8.09	34.46	9.34	38.77	11.16	
41	19.38	5.36	21.54	6.11	25.85	7.44	28.00	8.07	30.15	8.71	34.46	10.04	38.77	12.10	
43	19.38	5.79	21.54	6.58	25.85	8.01	28.00	8.69	30.15	9.38	34.46	10.81	38.77	13.12	
46	19.38	6.47	21.54	7.43	25.85	8.91	28.00	9.65	30.15	10.42	34.46	12.04	38.77	14.85	
48	19.38	6.98	21.54	7.95	25.85	9.55	28.00	10.37	30.15	11.20	34.46	12.98	38.77	16.10	
50	19.38	7.89	21.54	8.63	25.85	10.28	28.00	11.14	30.15	12.07	34.46	14.00	36.16	15.27	
52	19.38	8.44	21.54	9.26	25.85	11.02	28.00	11.96	30.15	12.97	30.71	12.53	30.76	12.16	
55	19.38	8.66	21.54	9.49	21.62	8.88	21.95	8.82	21.79	8.40	22.68	8.20	22.94	7.98	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table2-8.8:22HP cooling capacity

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		22		23.3		25.8		27		28.2		30.7		32	
		15	16	18	19	20	22	24							
130%	-15	55.35	6.80	61.50	7.56	73.80	10.80	79.95	15.11	86.10	17.55	88.75	17.80	90.63	18.20
	-10	55.35	6.89	61.50	7.75	73.80	12.79	79.95	15.53	86.10	18.25	88.58	18.10	90.63	18.23
	-5	55.35	7.13	61.50	9.35	73.80	13.22	79.95	15.82	83.90	18.40	88.46	17.85	90.63	18.23
	-2	55.35	7.90	61.50	9.38	73.80	13.25	79.95	16.19	83.60	18.53	88.31	17.96	90.33	18.27
	0	55.35	8.11	61.50	9.69	73.80	13.66	79.95	16.41	83.74	18.33	88.07	17.98	89.50	18.71
	2	55.35	8.26	61.50	9.88	73.80	13.79	79.95	16.48	83.29	18.73	87.83	18.01	89.56	18.75
	4	55.35	8.38	61.50	9.96	73.80	13.80	79.95	16.69	83.03	18.89	87.58	18.03	89.06	18.98
	6	55.35	8.40	61.50	10.13	73.80	14.22	79.95	17.15	82.84	19.11	87.41	19.21	88.62	19.55
	8	55.35	8.49	61.50	10.29	73.80	14.75	79.95	17.87	82.26	19.72	85.33	20.25	88.97	20.18
	10	55.35	8.78	61.50	10.45	73.80	15.48	79.95	19.57	81.15	20.58	84.35	21.09	85.74	21.40
	12	55.35	9.00	61.50	11.02	73.80	17.04	79.95	21.48	80.20	21.40	84.19	21.80	84.93	22.20
	14	55.35	9.53	61.50	11.77	73.80	18.67	77.41	22.02	79.12	22.23	82.35	22.76	84.17	22.99
	17	55.35	10.81	61.50	13.42	73.80	21.35	75.84	23.24	77.51	23.48	80.73	24.03	82.62	24.26
	20	55.35	12.30	61.50	15.15	73.80	24.34	74.25	24.49	76.09	24.72	79.68	25.24	80.56	25.64
	22	55.35	13.34	61.50	16.46	71.55	25.08	68.10	25.34	74.72	25.60	77.73	26.22	79.64	26.47
	25	55.35	14.95	61.50	18.81	69.92	26.36	71.54	26.62	73.35	26.88	77.20	27.43	79.32	27.69
	27	55.35	16.18	61.50	20.50	68.83	27.23	70.57	27.50	71.88	27.81	75.88	28.38	77.60	28.66
	29	55.35	17.40	61.50	22.37	67.69	28.15	69.46	28.42	70.72	28.74	74.69	29.33	75.41	29.77
	31	55.35	18.89	61.50	24.42	66.57	29.08	68.10	29.39	69.55	29.69	72.24	30.43	74.23	30.54
	33	55.35	20.64	61.50	26.77	65.40	30.03	67.08	30.32	68.19	30.71	71.19	31.39	73.18	31.72
	35	55.35	22.59	61.50	29.40	64.37	31.00	65.81	31.35	66.75	31.76	69.69	32.49	71.14	32.90
	37	55.35	24.77	60.04	31.38	63.14	32.06	64.64	32.39	65.53	32.81	68.69	33.51	70.01	33.96
	39	55.35	27.34	58.84	32.46	61.93	33.13	63.09	33.53	64.16	33.94	67.38	34.65	69.38	33.84
	41	55.35	30.09	57.65	33.55	60.57	34.27	62.07	33.83	61.96	32.78	64.12	30.38	63.46	29.35
	43	55.35	33.47	55.50	32.71	56.73	29.76	57.23	28.57	57.00	27.87	57.93	25.44	58.59	24.60
46	47.90	25.79	48.41	24.79	48.85	22.87	49.15	22.10	49.74	21.65	49.92	19.72	50.76	19.59	
48	42.92	21.33	42.92	20.63	43.59	19.38	43.70	18.56	43.78	17.73	44.99	17.02	45.07	16.15	
50	36.96	17.64	37.78	17.46	38.22	16.11	38.05	15.29	39.14	15.39	38.62	13.87	39.81	13.96	
52	31.52	14.61	31.74	14.16	31.95	13.21	32.94	13.28	32.44	12.49	32.93	11.71	34.03	11.75	
55	22.01	9.40	22.90	9.41	22.94	8.70	23.76	8.70	22.86	7.92	24.61	7.85	23.24	7.09	
120%	-15	51.09	6.25	56.77	7.13	68.12	8.68	73.80	11.26	79.48	15.19	84.55	18.25	86.93	17.97
	-10	51.09	6.41	56.77	7.31	68.12	10.65	73.80	13.41	79.48	15.53	84.55	18.28	86.93	18.33
	-5	51.09	6.48	56.77	7.56	68.12	11.43	73.80	13.59	79.48	16.00	84.55	18.34	86.93	17.93
	-2	51.09	6.70	56.77	8.35	68.12	11.46	73.80	13.65	79.48	16.04	84.55	18.38	86.93	18.61
	0	51.09	7.12	56.77	8.35	68.12	11.51	73.80	13.80	79.48	16.09	84.55	18.51	86.93	18.45
	2	51.09	7.19	56.77	8.56	68.12	11.91	73.80	14.19	79.48	16.62	84.55	18.67	86.93	18.60
	4	51.09	7.30	56.77	8.69	68.12	11.97	73.80	14.26	79.48	16.92	84.55	18.84	86.90	18.78
	6	51.09	7.45	56.77	8.70	68.12	12.18	73.80	14.68	79.48	17.39	84.35	19.14	86.93	19.31
	8	51.09	7.57	56.77	8.89	68.12	12.62	73.80	15.18	79.48	18.09	83.30	20.01	85.51	20.16
	10	51.09	7.58	56.77	9.23	68.12	12.96	73.80	15.96	79.48	19.84	82.34	20.86	83.58	21.18
	12	51.09	7.97	56.77	9.55	68.12	14.02	73.80	17.52	79.48	21.71	81.35	21.70	82.69	22.01
	14	51.09	8.33	56.77	10.18	68.12	15.38	73.80	19.19	76.81	22.09	80.58	22.50	81.80	22.83
	17	51.09	9.42	56.77	11.58	68.12	17.63	73.80	21.96	75.26	23.33	78.53	23.83	79.92	24.14
	20	51.09	10.71	56.77	13.12	68.12	20.13	72.11	24.35	73.74	24.58	76.77	25.15	79.50	25.28
	22	51.09	11.61	56.77	14.19	68.12	21.95	71.08	25.19	72.66	25.43	75.67	26.03	77.45	26.27
	25	51.09	13.12	56.77	15.97	68.12	25.04	69.49	26.48	71.02	26.74	73.99	27.37	75.74	27.63
	27	51.09	14.19	56.77	17.23	68.12	27.39	68.41	27.36	69.74	27.67	72.85	28.29	74.57	28.56
	29	51.09	15.32	56.77	18.75	65.81	28.00	67.28	28.28	68.63	28.60	71.59	29.24	73.33	29.53
	31	51.09	16.53	56.77	20.49	64.72	28.92	66.20	29.19	67.61	29.53	71.48	30.10	73.28	30.38
	33	51.09	17.82	56.77	22.41	63.64	29.85	65.09	30.16	66.59	30.47	69.34	31.19	71.05	31.50
	35	51.09	19.23	56.77	24.60	62.49	30.85	64.07	31.15	65.45	31.49	68.13	32.23	69.65	32.63
	37	51.09	20.90	56.77	27.00	61.35	31.89	62.90	32.21	64.31	32.55	66.90	33.31	68.26	33.75
	39	51.09	22.96	56.77	29.82	60.16	32.97	61.58	33.30	62.76	33.70	65.33	34.48	66.87	34.88
	41	51.09	25.24	56.77	33.03	59.09	34.06	60.32	34.47	61.64	33.62	61.82	31.07	62.77	28.69
	43	51.09	27.94	54.44	33.42	55.57	30.57	55.81	29.64	56.27	28.04	56.87	26.07	57.31	24.85
46	46.96	26.18	47.50	25.04	48.54	23.01	48.23	22.35	48.50	21.57	49.36	20.32	49.49	19.52	
48	41.80	21.47	42.19	20.89	42.54	19.33	43.33	19.16	43.08	18.01	43.90	16.97	43.98	16.10	
50	36.49	17.92	36.57	17.11	37.70	16.39	37.65	15.53	38.23	15.36	39.13	14.71	38.88	13.93	
52	31.25	14.85	31.47	14.41	32.61	14.02	32.22	13.26	31.74	12.48	32.21	11.70	33.28	11.74	
55	21.63	9.39	22.44	9.41	22.52	8.70	23.31	8.70	22.44	7.92	24.14	7.86	22.81	7.10	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.8:22HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		22		23.3		25.8		27		28.2		30.7		32	
		15	16	18	19	20	22	24							
110%	-15	46.83	5.65	52.04	6.43	62.45	8.01	67.65	8.73	72.85	11.18	83.26	16.46	84.34	18.03
	-10	46.83	5.80	52.04	6.65	62.45	8.11	67.65	10.77	72.85	13.24	83.26	17.17	84.34	18.16
	-5	46.83	5.89	52.04	6.90	62.45	9.70	67.65	11.41	72.85	13.41	83.26	17.76	84.34	18.30
	-2	46.83	6.04	52.04	6.96	62.45	9.78	67.65	11.55	72.85	13.42	83.26	17.87	84.34	18.36
	0	46.83	6.10	52.04	7.38	62.45	10.26	67.65	11.62	72.85	13.60	83.26	18.18	84.20	18.56
	2	46.83	6.34	52.04	7.59	62.45	10.36	67.65	11.66	72.85	14.03	83.26	18.40	83.81	18.73
	4	46.83	6.43	52.04	7.66	62.45	10.43	67.65	12.04	72.85	14.10	83.26	18.80	83.68	18.87
	6	46.83	6.49	52.04	7.70	62.45	10.56	67.65	12.27	72.85	14.52	81.28	19.22	83.39	19.21
	8	46.83	6.50	52.04	7.81	62.45	10.83	67.65	12.70	72.85	14.98	80.63	19.86	82.32	20.08
	10	46.83	6.66	52.04	7.90	62.45	11.03	67.65	12.98	72.85	15.76	79.76	20.69	81.04	20.99
	12	46.83	6.77	52.04	8.26	62.45	11.67	67.65	14.04	72.85	17.31	78.73	21.53	80.06	21.83
	14	46.83	7.18	52.04	8.69	62.45	12.61	67.65	15.43	72.85	18.98	77.77	22.36	79.11	22.67
	17	46.83	8.07	52.04	9.85	62.45	14.34	67.65	17.74	72.85	21.72	76.24	23.64	77.60	23.95
	20	46.83	9.19	52.04	11.22	62.45	16.38	67.65	20.20	72.85	24.79	74.70	24.91	76.18	25.21
	22	46.83	10.02	52.04	12.19	62.45	17.89	67.65	22.05	70.45	25.27	73.92	25.76	75.70	26.03
	25	46.83	11.34	52.04	13.75	62.45	20.40	67.65	25.20	68.90	26.55	71.90	27.13	73.19	27.46
	27	46.83	12.29	52.04	14.86	62.45	22.27	67.65	27.57	67.84	27.45	70.68	28.08	73.19	28.26
	29	46.83	13.32	52.04	16.03	62.45	24.35	65.32	28.08	66.77	28.37	69.57	29.02	70.95	29.35
	31	46.83	14.40	52.04	17.31	62.45	26.64	64.27	29.01	65.68	29.31	68.63	29.94	69.80	30.33
	33	46.83	15.55	52.04	18.67	62.45	29.30	63.18	29.97	64.68	30.28	67.79	30.91	69.66	31.21
	35	46.83	16.75	52.04	20.27	60.72	30.65	62.06	31.00	63.57	31.29	66.71	31.94	67.28	32.43
	37	46.83	18.10	52.04	22.28	59.60	31.70	60.91	32.04	62.48	32.34	65.69	33.01	66.21	33.51
	39	46.83	19.54	52.04	24.50	58.46	32.76	59.78	33.12	61.19	33.43	63.55	34.24	66.42	34.45
	41	46.83	21.11	52.04	26.95	57.32	33.90	58.58	34.26	59.86	34.42	60.60	31.60	60.76	30.13
	43	46.83	23.07	52.04	29.81	54.38	31.36	54.90	30.18	55.14	29.02	56.47	26.19	56.18	25.45
	46	46.83	26.91	46.57	25.52	47.10	23.31	47.55	22.54	47.82	22.13	48.70	20.89	48.98	20.09
	48	41.08	21.74	41.51	21.11	42.41	20.22	42.56	19.41	42.67	18.60	42.86	16.91	43.97	17.06
	50	35.94	18.18	36.08	17.38	36.79	16.35	37.10	15.82	36.94	15.04	38.17	14.67	37.92	13.90
52	30.93	15.09	31.16	14.65	31.46	13.73	31.48	13.24	32.43	13.31	31.47	11.69	32.50	11.73	
55	21.23	9.39	22.04	9.41	22.11	8.70	22.88	8.70	22.01	7.93	23.66	7.87	22.37	7.11	
100%	-15	42.58	5.25	47.31	5.77	56.77	7.34	61.50	7.88	66.23	8.73	75.69	13.75	80.76	18.03
	-10	42.58	5.26	47.31	5.96	56.77	7.58	61.50	8.10	66.23	10.29	75.69	14.42	80.76	18.12
	-5	42.58	5.26	47.31	5.97	56.77	7.93	61.50	9.42	66.23	11.07	75.69	14.50	80.76	18.16
	-2	42.58	5.41	47.31	6.23	56.77	8.56	61.50	9.54	66.23	11.11	75.69	14.72	80.76	18.38
	0	42.58	5.61	47.31	6.42	56.77	8.73	61.50	10.08	66.23	11.15	75.69	14.77	80.76	18.49
	2	42.58	5.70	47.31	6.45	56.77	8.74	61.50	10.16	66.23	11.49	75.69	14.88	80.76	18.53
	4	42.58	5.75	47.31	6.58	56.77	8.87	61.50	10.22	66.23	11.53	75.69	15.61	80.76	18.69
	6	42.58	5.92	47.31	6.68	56.77	9.00	61.50	10.37	66.23	11.75	75.69	15.70	80.76	19.05
	8	42.58	5.94	47.31	6.70	56.77	9.04	61.50	10.60	66.23	12.18	75.69	16.34	79.54	19.89
	10	42.58	5.96	47.31	6.75	56.77	9.32	61.50	10.82	66.23	12.47	75.69	17.79	78.76	20.71
	12	42.58	6.05	47.31	6.99	56.77	9.74	61.50	11.45	66.23	13.51	75.69	19.59	77.76	21.55
	14	42.58	6.24	47.31	7.34	56.77	10.42	61.50	12.44	66.23	14.84	75.69	21.47	76.76	22.41
	17	42.58	6.96	47.31	8.29	56.77	11.89	61.50	14.09	66.23	17.03	73.67	23.43	75.68	23.63
	20	42.58	7.90	47.31	9.45	56.77	13.48	61.50	16.02	66.23	19.50	72.19	24.70	73.51	25.01
	22	42.58	8.52	47.31	10.29	56.77	14.60	61.50	17.51	66.23	21.26	71.24	25.56	73.15	25.80
	25	42.58	9.65	47.31	11.68	56.77	16.43	61.50	19.96	66.23	24.28	69.65	26.89	70.95	27.22
	27	42.58	10.50	47.31	12.63	56.77	17.82	61.50	21.79	66.23	26.53	68.61	27.80	70.04	28.11
	29	42.58	11.41	47.31	13.67	56.77	19.46	61.50	23.84	64.66	28.13	67.52	28.74	69.43	29.02
	31	42.58	12.33	47.31	14.77	56.77	21.26	61.50	26.10	63.59	29.09	66.31	29.73	67.88	30.03
	33	42.58	13.37	47.31	15.97	56.77	23.28	61.50	28.66	62.53	30.06	65.35	30.69	67.35	30.92
	35	42.58	14.45	47.31	17.25	56.77	25.53	61.50	30.75	61.51	31.05	64.25	31.72	66.24	31.96
	37	42.58	15.64	47.31	18.60	56.77	28.06	61.50	31.78	60.40	32.11	63.16	32.78	65.02	33.03
	39	42.58	16.87	47.31	20.11	56.77	31.04	59.08	32.88	59.25	33.21	61.86	33.94	63.70	34.20
	41	42.58	18.24	47.31	21.74	56.77	34.41	57.46	33.99	58.04	34.37	60.10	32.38	60.55	30.87
	43	42.58	19.68	47.31	23.98	53.25	32.10	52.12	30.88	54.08	29.55	54.95	27.17	56.18	26.29
	46	42.58	22.22	45.70	26.18	46.42	23.85	46.77	23.06	46.97	22.31	47.32	20.78	47.91	20.32
	48	40.38	22.12	40.80	21.32	41.35	20.13	41.40	19.34	42.15	19.17	42.39	17.51	42.49	16.65
	50	35.34	18.25	35.47	17.64	36.18	16.62	36.14	15.77	36.78	15.55	37.16	14.63	36.93	13.86
52	29.84	14.79	30.41	14.62	30.69	13.70	30.72	13.22	31.63	13.28	32.18	12.55	31.70	11.72	
55	21.69	9.85	21.59	9.40	21.66	8.70	22.41	8.70	23.18	8.70	23.16	7.88	24.02	7.84	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.8:22HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		22		23.3		25.8		27		28.2		30.7		32	
		15	16	18	19	20	22	24							
		KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	
90%	-15	38.32	4.73	42.58	5.23	51.09	6.36	55.35	6.96	59.61	7.66	68.12	8.96	76.64	14.29
	-10	38.32	4.75	42.58	5.23	51.09	6.38	55.35	7.09	59.61	7.90	68.12	10.69	76.64	14.75
	-5	38.32	4.78	42.58	5.24	51.09	6.67	55.35	7.35	59.61	8.78	68.12	10.72	76.64	15.06
	-2	38.32	4.83	42.58	5.37	51.09	6.83	55.35	7.74	59.61	8.80	68.12	10.94	76.64	15.27
	0	38.32	4.91	42.58	5.54	51.09	7.01	55.35	7.93	59.61	8.93	68.12	11.20	76.64	15.60
	2	38.32	4.92	42.58	5.69	51.09	7.04	55.35	8.05	59.61	9.06	68.12	11.30	76.64	15.63
	4	38.32	5.04	42.58	5.71	51.09	7.09	55.35	8.06	59.61	9.09	68.12	11.35	76.64	15.90
	6	38.32	5.13	42.58	5.71	51.09	7.19	55.35	8.10	59.61	9.28	68.12	11.64	76.64	16.31
	8	38.32	5.13	42.58	5.78	51.09	7.20	55.35	8.24	59.61	9.39	68.12	12.03	76.64	16.99
	10	38.32	5.20	42.58	5.82	51.09	7.43	55.35	8.57	59.61	9.81	68.12	12.68	76.64	18.73
	12	38.32	5.22	42.58	5.83	51.09	7.65	55.35	8.91	59.61	10.23	68.12	13.69	76.64	20.59
	14	38.32	5.32	42.58	6.06	51.09	8.08	55.35	9.50	59.61	11.13	68.12	15.10	76.64	22.52
	17	38.32	5.76	42.58	6.75	51.09	9.24	55.35	10.85	59.61	12.67	68.12	17.34	73.79	23.43
	20	38.32	6.72	42.58	7.66	51.09	10.54	55.35	12.33	59.61	14.37	68.12	19.86	72.37	24.70
	22	38.32	7.26	42.58	8.28	51.09	11.47	55.35	13.42	59.61	15.54	68.12	21.66	71.33	25.57
	25	38.32	8.14	42.58	9.29	51.09	12.99	55.35	15.10	59.61	17.64	68.12	24.80	69.86	26.89
	27	38.32	8.79	42.58	10.12	51.09	14.04	55.35	16.37	59.61	19.26	68.12	27.17	68.85	27.81
	29	38.32	9.45	42.58	11.00	51.09	15.21	55.35	17.67	59.61	21.10	66.33	28.45	68.11	28.73
	31	38.32	10.16	42.58	11.96	51.09	16.43	55.35	19.19	59.61	23.04	65.30	29.39	66.60	29.73
	33	38.32	10.93	42.58	12.94	51.09	17.76	55.35	20.96	59.61	25.25	64.21	30.38	65.40	30.77
	35	38.32	11.85	42.58	14.01	51.09	19.14	55.35	22.95	59.61	27.80	63.15	31.40	64.49	31.76
	37	38.32	12.82	42.58	15.17	51.09	20.73	55.35	25.28	59.61	30.61	62.07	32.47	63.40	32.83
	39	38.32	13.86	42.58	16.38	51.09	22.78	55.35	27.79	58.28	32.92	60.96	33.58	62.27	33.95
	41	38.32	15.01	42.58	17.69	51.09	25.12	55.35	30.80	57.16	34.06	59.48	33.60	60.31	32.07
	43	38.32	16.22	42.58	19.15	51.09	27.79	53.45	31.85	53.92	30.60	54.76	28.06	55.06	26.89
46	38.32	18.26	42.58	21.62	46.26	24.53	46.81	23.53	46.78	22.83	47.92	21.21	47.82	20.85	
48	38.32	19.81	40.71	21.86	41.34	20.31	41.56	19.87	41.69	19.07	42.49	18.08	42.96	17.56	
50	35.14	18.51	35.54	17.85	35.81	16.56	36.40	16.36	36.33	15.50	36.77	14.58	37.78	14.68	
52	29.75	14.89	30.14	14.58	30.80	13.94	31.28	13.74	30.90	12.98	31.83	12.53	31.38	11.70	
55	21.15	9.61	21.48	9.40	21.54	8.70	22.27	8.70	23.03	8.70	23.00	7.89	23.85	7.86	
80%	-15	34.06	4.21	37.85	4.63	45.42	5.48	49.20	5.99	52.98	6.59	60.55	7.78	68.12	8.84
	-10	34.06	4.23	37.85	4.65	45.42	5.50	49.20	6.02	52.98	6.64	60.55	8.04	68.12	10.75
	-5	34.06	4.25	37.85	4.67	45.42	5.53	49.20	6.13	52.98	6.85	60.55	8.57	68.12	10.76
	-2	34.06	4.26	37.85	4.69	45.42	5.67	49.20	6.17	52.98	6.85	60.55	8.58	68.12	10.98
	0	34.06	4.30	37.85	4.72	45.42	5.71	49.20	6.37	52.98	7.00	60.55	8.60	68.12	11.27
	2	34.06	4.32	37.85	4.83	45.42	5.85	49.20	6.37	52.98	7.05	60.55	8.71	68.12	11.37
	4	34.06	4.39	37.85	4.83	45.42	5.89	49.20	6.39	52.98	7.10	60.55	8.83	68.12	11.39
	6	34.06	4.41	37.85	4.89	45.42	5.98	49.20	6.44	52.98	7.23	60.55	8.85	68.12	11.70
	8	34.06	4.47	37.85	5.03	45.42	6.01	49.20	6.49	52.98	7.28	60.55	9.10	68.12	12.11
	10	34.06	4.52	37.85	5.03	45.42	6.01	49.20	6.67	52.98	7.45	60.55	9.51	68.12	12.70
	12	34.06	4.53	37.85	5.10	45.42	6.07	49.20	6.74	52.98	7.79	60.55	9.95	68.12	13.81
	14	34.06	4.63	37.85	5.22	45.42	6.30	49.20	7.19	52.98	8.33	60.55	10.86	68.12	15.17
	17	34.06	4.75	37.85	5.47	45.42	7.17	49.20	8.18	52.98	9.44	60.55	12.40	68.12	17.43
	20	34.06	5.67	37.85	6.40	45.42	8.07	49.20	9.36	52.98	10.84	60.55	14.07	68.12	19.91
	22	34.06	6.13	37.85	6.92	45.42	8.76	49.20	10.23	52.98	11.79	60.55	15.28	68.12	21.79
	25	34.06	6.88	37.85	7.76	45.42	10.01	49.20	11.61	52.98	13.34	60.55	17.27	68.12	24.90
	27	34.06	7.42	37.85	8.41	45.42	10.91	49.20	12.61	52.98	14.46	60.55	18.88	68.12	27.24
	29	34.06	8.01	37.85	9.03	45.42	11.84	49.20	13.66	52.98	15.66	60.55	20.62	66.19	28.41
	31	34.06	8.62	37.85	9.72	45.42	12.86	49.20	14.82	52.98	16.92	60.55	22.63	65.22	29.35
	33	34.06	9.25	37.85	10.50	45.42	13.93	49.20	16.02	52.98	18.31	60.55	24.78	64.18	30.36
	35	34.06	9.96	37.85	11.26	45.42	15.10	49.20	17.31	52.98	19.72	60.55	27.22	63.14	31.38
	37	34.06	10.70	37.85	12.15	45.42	16.29	49.20	18.70	52.98	21.55	60.55	30.00	62.05	32.47
	39	34.06	11.50	37.85	13.19	45.42	17.61	49.20	20.18	52.98	23.71	60.55	33.30	60.92	33.58
	41	34.06	12.32	37.85	14.27	45.42	19.07	49.20	21.88	52.98	26.16	58.55	34.38	59.62	33.61
	43	34.06	13.24	37.85	15.42	45.42	20.63	49.20	24.12	52.98	29.05	54.52	29.19	54.94	28.07
46	34.06	14.85	37.85	17.39	45.42	23.33	46.42	24.38	46.94	23.39	47.09	21.78	47.64	21.33	
48	34.06	16.12	37.85	18.84	41.16	20.90	41.55	20.19	41.59	19.59	42.17	18.29	42.22	17.46	
50	34.06	17.47	35.40	18.29	35.94	16.93	36.23	16.60	36.47	16.07	37.40	15.36	36.83	14.34	
52	29.74	15.10	29.97	14.67	30.39	13.90	30.87	13.70	31.34	13.50	30.98	12.21	32.37	12.56	
55	21.82	10.06	21.30	9.39	22.81	9.42	22.09	8.70	22.82	8.70	22.80	7.90	23.62	7.87	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.8:22HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		22		23.3		25.8		27		28.2		30.7		32	
		15	16	18	19	20	22	24							
		KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	KW	
70%	-15	29.80	3.71	33.12	4.06	39.74	4.83	43.05	5.20	46.36	5.55	52.98	6.34	59.61	7.64
	-10	29.80	3.73	33.12	4.12	39.74	4.84	43.05	5.21	46.36	5.58	52.98	6.38	59.61	7.87
	-5	29.80	3.75	33.12	4.13	39.74	4.88	43.05	5.23	46.36	5.58	52.98	6.52	59.61	8.12
	-2	29.80	3.76	33.12	4.14	39.74	4.89	43.05	5.30	46.36	5.63	52.98	6.55	59.61	8.22
	0	29.80	3.77	33.12	4.16	39.74	4.90	43.05	5.30	46.36	5.65	52.98	6.58	59.61	8.37
	2	29.80	3.77	33.12	4.16	39.74	4.96	43.05	5.31	46.36	5.76	52.98	6.69	59.61	8.57
	4	29.80	3.78	33.12	4.20	39.74	4.97	43.05	5.33	46.36	5.78	52.98	6.73	59.61	8.60
	6	29.80	3.78	33.12	4.30	39.74	5.00	43.05	5.39	46.36	5.85	52.98	6.85	59.61	8.82
	8	29.80	3.82	33.12	4.31	39.74	5.04	43.05	5.42	46.36	5.99	52.98	6.89	59.61	8.99
	10	29.80	3.90	33.12	4.38	39.74	5.09	43.05	5.62	46.36	6.02	52.98	7.01	59.61	9.19
	12	29.80	3.90	33.12	4.38	39.74	5.20	43.05	5.68	46.36	6.15	52.98	7.28	59.61	9.71
	14	29.80	3.98	33.12	4.40	39.74	5.48	43.05	5.85	46.36	6.21	52.98	7.71	59.61	10.44
	17	29.80	4.03	33.12	4.55	39.74	5.56	43.05	6.32	46.36	7.08	52.98	8.85	59.61	11.97
	20	29.80	4.44	33.12	5.16	39.74	6.52	43.05	7.22	46.36	7.98	52.98	10.17	59.61	13.60
	22	29.80	5.13	33.12	5.73	39.74	7.05	43.05	7.82	46.36	8.65	52.98	11.11	59.61	14.76
	25	29.80	5.78	33.12	6.45	39.74	7.95	43.05	8.83	46.36	9.90	52.98	12.63	59.61	16.68
	27	29.80	6.23	33.12	6.95	39.74	8.60	43.05	9.54	46.36	10.77	52.98	13.69	59.61	18.12
	29	29.80	6.72	33.12	7.49	39.74	9.27	43.05	10.31	46.36	11.74	52.98	14.87	59.61	19.80
	31	29.80	7.23	33.12	8.07	39.74	10.00	43.05	11.22	46.36	12.77	52.98	16.10	59.61	21.71
	33	29.80	7.77	33.12	8.70	39.74	10.77	43.05	12.20	46.36	13.82	52.98	17.42	59.61	23.76
	35	29.80	8.35	33.12	9.34	39.74	11.58	43.05	13.23	46.36	15.03	52.98	18.88	59.61	26.11
	37	29.80	8.99	33.12	10.05	39.74	12.57	43.05	14.34	46.36	16.25	52.98	20.36	59.61	28.72
	39	29.80	9.63	33.12	10.83	39.74	13.65	43.05	15.53	46.36	17.54	52.98	22.22	59.61	31.79
	41	29.80	10.35	33.12	11.61	39.74	14.81	43.05	16.83	46.36	19.00	52.98	24.53	58.29	34.28
	43	29.80	11.11	33.12	12.49	39.74	16.04	43.05	18.20	46.36	20.58	52.98	27.13	54.53	29.56
46	29.80	12.36	33.12	13.86	39.74	18.09	43.05	20.54	46.36	23.30	47.11	22.59	47.43	21.91	
48	29.80	13.28	33.12	14.92	39.74	19.66	41.28	20.82	41.51	20.11	42.10	18.75	42.35	18.30	
50	29.80	14.23	33.12	16.21	35.81	17.54	36.03	16.97	36.13	16.30	36.64	15.28	36.89	14.82	
52	29.80	15.28	30.01	14.96	30.28	14.12	30.76	13.92	30.79	13.45	31.32	12.74	31.82	12.52	
55	21.15	9.82	21.46	9.62	21.55	8.95	21.82	8.70	22.54	8.70	22.51	7.92	23.31	7.89	
60%	-15	25.55	3.11	28.38	3.47	34.06	4.10	36.90	4.41	39.74	4.74	45.42	5.40	51.09	6.06
	-10	25.55	3.17	28.38	3.49	34.06	4.11	36.90	4.42	39.74	4.76	45.42	5.41	51.09	6.08
	-5	25.55	3.18	28.38	3.51	34.06	4.11	36.90	4.47	39.74	4.79	45.42	5.41	51.09	6.13
	-2	25.55	3.19	28.38	3.54	34.06	4.15	36.90	4.47	39.74	4.79	45.42	5.41	51.09	6.25
	0	25.55	3.21	28.38	3.54	34.06	4.16	36.90	4.49	39.74	4.81	45.42	5.41	51.09	6.28
	2	25.55	3.23	28.38	3.55	34.06	4.17	36.90	4.51	39.74	4.82	45.42	5.44	51.09	6.29
	4	25.55	3.25	28.38	3.62	34.06	4.25	36.90	4.54	39.74	4.86	45.42	5.53	51.09	6.32
	6	25.55	3.28	28.38	3.64	34.06	4.26	36.90	4.59	39.74	4.88	45.42	5.57	51.09	6.44
	8	25.55	3.30	28.38	3.66	34.06	4.27	36.90	4.59	39.74	4.88	45.42	5.71	51.09	6.64
	10	25.55	3.31	28.38	3.71	34.06	4.29	36.90	4.71	39.74	5.07	45.42	5.78	51.09	6.68
	12	25.55	3.33	28.38	3.72	34.06	4.36	36.90	4.78	39.74	5.27	45.42	5.93	51.09	6.73
	14	25.55	3.34	28.38	3.73	34.06	4.43	36.90	4.85	39.74	5.33	45.42	6.00	51.09	7.09
	17	25.55	3.38	28.38	3.74	34.06	4.49	36.90	4.90	39.74	5.38	45.42	6.56	51.09	8.13
	20	25.55	3.40	28.38	3.93	34.06	5.21	36.90	5.67	39.74	6.23	45.42	7.34	51.09	9.38
	22	25.55	4.09	28.38	4.69	34.06	5.63	36.90	6.19	39.74	6.75	45.42	7.96	51.09	10.25
	25	25.55	4.80	28.38	5.28	34.06	6.35	36.90	6.98	39.74	7.60	45.42	8.98	51.09	11.66
	27	25.55	5.17	28.38	5.69	34.06	6.87	36.90	7.53	39.74	8.24	45.42	9.71	51.09	12.70
	29	25.55	5.58	28.38	6.15	34.06	7.41	36.90	8.13	39.74	8.88	45.42	10.59	51.09	13.79
	31	25.55	5.99	28.38	6.62	34.06	8.02	36.90	8.79	39.74	9.59	45.42	11.53	51.09	14.95
	33	25.55	6.45	28.38	7.12	34.06	8.63	36.90	9.49	39.74	10.36	45.42	12.55	51.09	16.17
	35	25.55	6.93	28.38	7.69	34.06	9.32	36.90	10.22	39.74	11.18	45.42	13.65	51.09	17.54
	37	25.55	7.47	28.38	8.24	34.06	10.03	36.90	11.01	39.74	12.00	45.42	14.86	51.09	18.91
	39	25.55	8.01	28.38	8.87	34.06	10.79	36.90	11.82	39.74	13.03	45.42	16.11	51.09	20.44
	41	25.55	8.61	28.38	9.51	34.06	11.59	36.90	12.70	39.74	14.11	45.42	17.44	51.09	22.19
	43	25.55	9.24	28.38	10.22	34.06	12.43	36.90	13.71	39.74	15.34	45.42	18.92	51.09	24.51
46	25.55	10.24	28.38	11.38	34.06	13.86	36.90	15.51	39.74	17.33	45.42	21.41	47.19	22.94	
48	25.55	10.99	28.38	12.21	34.06	14.91	36.90	16.78	39.74	18.81	41.83	19.62	42.02	18.90	
50	25.55	11.78	28.38	13.12	34.06	16.21	35.89	17.58	36.09	16.94	36.49	15.75	36.73	15.27	
52	25.55	12.66	28.38	14.09	30.21	14.46	30.43	14.12	30.49	13.66	31.40	13.24	31.90	13.03	
55	21.21	10.03	21.54	9.83	21.68	9.17	22.33	9.19	22.56	8.96	22.11	7.93	22.89	7.91	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.8:22HP cooling capacity(continued)

CR	Outdoor air temp. (°CDB)	Indoor air temp. (°C DB/WD)													
		22		23.3		25.8		27		28.2		30.7		32	
		15	16	18	19	20	22	24							
50%	-15	21.29	2.60	23.65	2.89	28.38	3.41	30.75	3.70	33.12	3.96	37.85	4.50	42.58	5.04
	-10	21.29	2.69	23.65	2.92	28.38	3.45	30.75	3.70	33.12	3.98	37.85	4.51	42.58	5.07
	-5	21.29	2.71	23.65	2.97	28.38	3.47	30.75	3.71	33.12	4.00	37.85	4.52	42.58	5.08
	-2	21.29	2.71	23.65	2.97	28.38	3.51	30.75	3.76	33.12	4.03	37.85	4.55	42.58	5.09
	0	21.29	2.76	23.65	2.98	28.38	3.52	30.75	3.78	33.12	4.05	37.85	4.59	42.58	5.10
	2	21.29	2.76	23.65	3.01	28.38	3.56	30.75	3.80	33.12	4.11	37.85	4.61	42.58	5.14
	4	21.29	2.76	23.65	3.03	28.38	3.58	30.75	3.81	33.12	4.13	37.85	4.63	42.58	5.15
	6	21.29	2.77	23.65	3.04	28.38	3.60	30.75	3.84	33.12	4.22	37.85	4.65	42.58	5.19
	8	21.29	2.77	23.65	3.07	28.38	3.61	30.75	3.87	33.12	4.23	37.85	4.66	42.58	5.32
	10	21.29	2.78	23.65	3.08	28.38	3.63	30.75	3.89	33.12	4.26	37.85	4.67	42.58	5.37
	12	21.29	2.78	23.65	3.09	28.38	3.70	30.75	3.98	33.12	4.29	37.85	5.01	42.58	5.55
	14	21.29	2.79	23.65	3.10	28.38	3.72	30.75	3.99	33.12	4.30	37.85	5.04	42.58	5.62
	17	21.29	2.84	23.65	3.11	28.38	3.77	30.75	4.04	33.12	4.36	37.85	5.05	42.58	5.98
	20	21.29	2.86	23.65	3.18	28.38	3.92	30.75	4.55	33.12	4.99	37.85	5.57	42.58	6.59
	22	21.29	2.92	23.65	3.53	28.38	4.45	30.75	4.75	33.12	5.16	37.85	5.94	42.58	7.19
	25	21.29	3.44	23.65	3.96	28.38	4.97	30.75	5.40	33.12	5.84	37.85	6.71	42.58	8.11
	27	21.29	3.76	23.65	4.32	28.38	5.42	30.75	5.86	33.12	6.30	37.85	7.27	42.58	8.79
	29	21.29	4.11	23.65	4.69	28.38	5.84	30.75	6.32	33.12	6.86	37.85	7.90	42.58	9.47
	31	21.29	4.44	23.65	5.09	28.38	6.34	30.75	6.86	33.12	7.38	37.85	8.52	42.58	10.27
	33	21.29	4.81	23.65	5.51	28.38	6.80	30.75	7.38	33.12	7.96	37.85	9.22	42.58	11.06
35	21.29	5.23	23.65	5.95	28.38	7.33	30.75	7.95	33.12	8.59	37.85	9.96	42.58	12.04	
37	21.29	5.67	23.65	6.55	28.38	7.93	30.75	8.60	33.12	9.30	37.85	10.73	42.58	13.08	
39	21.29	6.14	23.65	7.06	28.38	8.54	30.75	9.25	33.12	9.98	37.85	11.56	42.58	14.21	
41	21.29	6.80	23.65	7.59	28.38	9.15	30.75	9.93	33.12	10.74	37.85	12.45	42.58	15.40	
43	21.29	7.29	23.65	8.14	28.38	9.83	30.75	10.68	33.12	11.59	37.85	13.41	42.58	16.74	
46	21.29	8.13	23.65	9.21	28.38	10.95	30.75	11.91	33.12	12.90	37.85	15.12	42.58	18.95	
48	21.29	8.75	23.65	9.88	28.38	11.76	30.75	12.78	33.12	13.89	37.85	16.42	42.58	20.52	
50	21.29	9.61	23.65	10.60	28.38	12.66	30.75	13.74	33.12	14.91	36.32	16.68	36.56	16.17	
52	21.29	10.27	23.65	11.35	28.38	13.61	30.75	14.81	30.50	14.21	30.81	13.43	30.88	12.95	
55	21.29	10.31	21.25	9.91	21.56	9.40	21.78	9.18	22.04	8.94	22.03	8.21	22.24	7.95	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.



## 8.2 Heating Capacity Tables

Table2-8.9:8HP heating capacity

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
130%	-29.8	-30.0	17.30	7.72	17.22	8.00	17.15	8.29	17.12	8.44	17.09	8.60	17.04	8.93
	-25.0	-25.4	18.21	8.03	18.13	8.31	18.06	8.61	18.02	8.76	17.99	8.92	17.94	9.25
	-19.8	-20.0	20.23	8.32	20.14	8.61	20.06	8.91	20.03	9.07	19.99	9.23	19.93	9.57
	-18.8	-19.0	21.88	8.51	21.77	8.80	21.67	9.10	21.63	9.26	21.58	9.42	21.50	9.76
	-16.7	-17.0	23.01	8.88	22.90	9.17	22.78	9.48	22.73	9.64	22.68	9.80	22.58	10.15
	-13.7	-15.0	24.19	9.31	24.06	9.61	23.93	9.93	23.87	10.09	23.82	10.26	23.70	10.61
	-11.8	-13.0	25.41	9.68	25.26	9.98	25.12	10.30	25.06	10.47	24.99	10.64	24.87	10.99
	-9.8	-11.0	26.66	10.05	26.50	10.36	26.35	10.69	26.28	10.86	26.21	11.03	26.06	11.39
	-9.5	-10.0	27.30	10.19	27.14	10.50	26.98	10.83	26.90	11.00	26.82	11.18	26.68	11.54
	-8.5	-9.1	27.88	10.37	27.72	10.68	27.55	11.01	27.47	11.19	27.39	11.36	27.24	11.73
	-7.0	-7.6	28.87	10.65	28.69	10.97	28.52	11.31	28.43	11.49	28.35	11.66	28.18	12.04
	-5.0	-5.6	30.19	11.03	30.00	11.36	29.81	11.71	29.72	11.89	29.64	12.07	30.09	12.71
	-3.0	-3.7	31.45	11.26	31.25	11.59	31.05	11.94	30.96	12.12	30.86	12.31	30.09	12.03
	0.0	-0.7	33.49	11.61	33.27	11.95	33.05	12.31	32.94	12.49	32.59	12.26	30.09	10.96
	3.0	2.2	35.19	11.74	34.95	12.08	35.10	12.46	33.85	11.82	32.59	11.21	30.09	10.08
	5.0	4.1	35.23	11.08	34.97	11.39	35.10	11.74	33.85	11.14	32.59	10.55	30.09	9.55
	7.0	6.0	36.22	11.05	35.95	11.36	35.10	11.05	33.85	10.49	32.59	10.00	30.09	9.06
	9.0	7.9	37.56	11.24	37.61	11.53	35.10	10.42	33.85	9.94	32.59	9.48	30.09	8.58
	11.0	9.8	38.92	11.44	37.61	10.82	35.10	9.86	33.85	9.41	32.59	8.98	30.09	8.12
	13.0	11.8	40.11	11.20	37.61	10.19	35.10	9.31	33.85	8.88	32.59	8.47	30.09	7.66
	15.0	13.7	40.11	10.51	37.61	9.64	35.10	8.81	33.85	8.40	32.59	8.00	30.09	7.27
18.0	15.8	40.11	9.89	37.61	9.07	35.10	8.26	33.85	7.88	32.59	7.49	30.09	6.89	
20.0	17.6	40.11	9.37	37.61	8.58	35.10	7.81	33.85	7.44	32.59	7.13	30.09	6.59	
23.0	20.2	40.11	8.65	37.61	7.89	35.10	7.18	33.85	6.92	32.59	6.67	30.09	6.17	
26.0	22.0	40.11	8.15	37.61	7.43	35.10	6.84	33.85	6.59	32.59	6.36	30.09	5.88	
30.0	24.1	40.11	7.59	37.61	6.95	35.10	6.46	33.85	6.23	32.59	6.00	30.09	5.56	
120%	-29.8	-30.0	17.14	7.71	17.07	7.99	17.00	8.29	16.97	8.45	16.95	8.61	16.90	8.95
	-25.0	-25.4	18.04	8.05	17.96	8.34	17.90	8.64	17.87	8.80	17.84	8.97	17.79	9.31
	-19.8	-20.0	20.04	8.47	19.96	8.76	19.89	9.07	19.85	9.23	19.82	9.40	19.77	9.75
	-18.8	-19.0	21.74	8.66	21.64	8.95	21.55	9.26	21.50	9.42	21.46	9.59	21.38	9.94
	-16.7	-17.0	22.87	9.04	22.76	9.34	22.65	9.66	22.60	9.82	22.55	9.99	22.46	10.34
	-13.7	-15.0	24.04	9.48	23.92	9.79	23.80	10.11	23.74	10.28	23.68	10.46	23.58	10.82
	-11.8	-13.0	25.25	9.86	25.11	10.18	24.98	10.50	24.91	10.67	24.85	10.85	24.73	11.22
	-9.8	-11.0	26.50	10.25	26.35	10.57	26.20	10.91	26.13	11.08	26.06	11.26	25.92	11.63
	-9.5	-10.0	27.13	10.40	26.97	10.72	26.82	11.06	26.75	11.23	26.68	11.41	26.53	11.79
	-8.5	-9.1	27.69	10.58	27.53	10.90	27.37	11.25	27.30	11.42	27.22	11.60	27.08	11.98
	-7.0	-7.6	28.64	10.87	28.47	11.20	28.30	11.55	28.22	11.73	28.14	11.91	27.77	11.94
	-5.0	-5.6	29.93	11.27	29.74	11.61	29.56	11.96	29.48	12.15	29.39	12.34	27.77	11.39
	-3.0	-3.7	31.18	11.51	30.98	11.85	30.79	12.21	31.24	12.59	30.09	11.97	27.77	10.74
	0.0	-0.7	33.19	11.88	32.97	12.23	32.40	12.09	31.24	11.50	30.09	10.91	27.77	9.87
	3.0	2.2	34.86	12.02	34.71	12.18	32.40	11.03	31.24	10.49	30.09	10.02	27.77	9.11
	5.0	4.1	34.89	11.34	34.71	11.48	32.40	10.40	31.24	9.95	30.09	9.50	27.77	8.65
	7.0	6.0	35.87	11.32	34.71	10.79	32.40	9.86	31.24	9.43	30.09	9.01	27.77	8.20
	9.0	7.9	37.03	11.15	34.71	10.18	32.40	9.34	31.24	8.94	30.09	8.53	27.77	7.75
	11.0	9.8	37.03	10.47	34.71	9.65	32.40	8.84	31.24	8.45	30.09	8.08	27.77	7.35
	13.0	11.8	37.03	9.89	34.71	9.10	32.40	8.34	31.24	7.98	30.09	7.60	27.77	7.01
	15.0	13.7	37.03	9.36	34.71	8.60	32.40	7.88	31.24	7.52	30.09	7.22	27.77	6.69
18.0	15.8	37.03	8.78	34.71	8.06	32.40	7.37	31.24	7.09	30.09	6.84	27.77	6.35	
20.0	17.6	37.03	8.31	34.71	7.62	32.40	7.02	31.24	6.77	30.09	6.54	27.77	6.08	
23.0	20.2	37.03	7.63	34.71	7.02	32.40	6.56	31.24	6.34	30.09	6.11	27.77	5.69	
26.0	22.0	37.03	7.18	34.71	6.69	32.40	6.26	31.24	6.04	30.09	5.84	27.77	5.43	
30.0	24.1	37.03	6.75	34.71	6.32	32.40	5.91	31.24	5.71	30.09	5.51	27.77	5.12	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.9:8HP heating capacity(continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
110%	-29.8	-30.0	17.04	7.86	16.97	8.15	16.91	8.46	16.89	8.62	16.86	8.78	16.82	9.14
	-25.0	-25.4	17.93	8.21	17.86	8.51	17.80	8.82	17.77	8.99	17.75	9.15	17.71	9.51
	-19.8	-20.0	19.92	8.64	19.85	8.95	19.78	9.26	19.75	9.43	19.72	9.60	19.68	9.96
	-18.8	-19.0	21.62	8.84	21.52	9.14	21.43	9.46	21.39	9.63	21.35	9.80	21.28	10.17
	-16.7	-17.0	22.74	9.24	22.63	9.54	22.53	9.87	22.48	10.04	22.44	10.22	22.35	10.58
	-13.7	-15.0	23.90	9.69	23.78	10.01	23.67	10.35	23.61	10.52	23.56	10.70	23.47	11.08
	-11.8	-13.0	25.09	10.09	24.96	10.41	24.83	10.75	24.78	10.93	24.72	11.11	24.61	11.49
	-9.8	-11.0	26.29	10.49	26.14	10.82	26.01	11.17	25.94	11.35	25.88	11.53	25.46	11.51
	-9.5	-10.0	26.90	10.64	26.75	10.97	26.60	11.32	26.53	11.50	26.46	11.69	25.46	11.21
	-8.5	-9.1	27.45	10.83	27.30	11.17	27.14	11.52	27.07	11.70	27.58	12.15	25.46	10.99
	-7.0	-7.6	28.39	11.14	28.22	11.48	28.06	11.84	27.98	12.03	27.58	11.77	25.46	10.62
	-5.0	-5.6	29.66	11.55	29.48	11.90	29.70	12.37	28.64	11.79	27.58	11.23	25.46	10.15
	-3.0	-3.7	30.89	11.81	30.70	12.16	29.70	11.68	28.64	11.13	27.58	10.58	25.46	9.64
	0.0	-0.7	32.87	12.21	31.82	11.69	29.70	10.65	28.64	10.17	27.58	9.73	25.46	8.88
	3.0	2.2	33.94	11.68	31.82	10.66	29.70	9.80	28.64	9.39	27.58	8.98	25.46	8.20
	5.0	4.1	33.94	10.99	31.82	10.09	29.70	9.29	28.64	8.90	27.58	8.52	25.46	7.77
	7.0	6.0	33.94	10.34	31.82	9.56	29.70	8.81	28.64	8.43	27.58	8.07	25.46	7.37
	9.0	7.9	33.94	9.80	31.82	9.05	29.70	8.33	28.64	7.98	27.58	7.64	25.46	7.05
	11.0	9.8	33.94	9.27	31.82	8.57	29.70	7.88	28.64	7.55	27.58	7.25	25.46	6.74
	13.0	11.8	33.94	8.74	31.82	8.07	29.70	7.42	28.64	7.15	27.58	6.91	25.46	6.43
15.0	13.7	33.94	8.26	31.82	7.62	29.70	7.05	28.64	6.82	27.58	6.59	25.46	6.15	
18.0	15.8	33.94	7.73	31.82	7.14	29.70	6.70	28.64	6.48	27.58	6.26	25.46	5.84	
20.0	17.6	33.94	7.31	31.82	6.81	29.70	6.39	28.64	6.18	27.58	5.99	25.46	5.59	
23.0	20.2	33.94	6.77	31.82	6.37	29.70	5.98	28.64	5.79	27.58	5.60	25.46	5.24	
26.0	22.0	33.94	6.45	31.82	6.07	29.70	5.70	28.64	5.53	27.58	5.34	25.46	5.00	
30.0	24.1	33.94	6.09	31.82	5.73	29.70	5.38	28.64	5.22	27.58	5.04	25.46	4.71	
100%	-29.8	-30.0	16.97	8.05	16.91	8.35	16.85	8.67	16.83	8.84	16.81	9.01	16.77	9.62
	-25.0	-25.4	17.86	8.42	17.80	8.72	17.74	9.05	17.72	9.22	17.70	9.40	17.66	9.92
	-19.8	-20.0	19.85	8.86	19.77	9.17	19.71	9.51	19.69	9.68	19.66	9.86	19.62	10.24
	-18.8	-19.0	21.50	9.06	21.41	9.38	21.33	9.71	21.30	9.89	21.26	10.07	21.20	10.45
	-16.7	-17.0	22.61	9.48	22.51	9.80	22.42	10.14	22.38	10.32	22.34	10.50	22.27	10.89
	-13.7	-15.0	23.72	9.95	23.61	10.28	23.51	10.63	23.46	10.81	23.42	11.00	23.14	11.10
	-11.8	-13.0	24.87	10.36	24.75	10.70	24.63	11.05	24.58	11.24	24.53	11.43	23.14	10.64
	-9.8	-11.0	26.06	10.78	25.92	11.12	25.79	11.49	26.04	11.75	25.07	11.22	23.14	10.17
	-9.5	-10.0	26.66	10.94	26.51	11.29	26.37	11.65	26.04	11.44	25.07	10.92	23.14	9.90
	-8.5	-9.1	27.20	11.14	27.05	11.49	27.00	11.74	26.04	11.22	25.07	10.70	23.14	9.73
	-7.0	-7.6	28.13	11.47	27.97	11.82	27.00	11.35	26.04	10.84	25.07	10.34	23.14	9.46
	-5.0	-5.6	29.38	11.90	28.93	11.84	27.00	10.82	26.04	10.33	25.07	9.90	23.14	9.08
	-3.0	-3.7	30.86	12.16	28.93	11.17	27.00	10.22	26.04	9.80	25.07	9.41	23.14	8.62
	0.0	-0.7	30.86	11.08	28.93	10.18	27.00	9.42	26.04	9.04	25.07	8.67	23.14	7.94
	3.0	2.2	30.86	10.13	28.93	9.40	27.00	8.69	26.04	8.34	25.07	7.99	23.14	7.33
	5.0	4.1	30.86	9.61	28.93	8.90	27.00	8.23	26.04	7.90	25.07	7.57	23.14	7.02
	7.0	6.0	30.86	9.10	28.93	8.44	27.00	7.80	26.04	7.48	25.07	7.21	23.14	6.72
	9.0	7.9	30.86	8.61	28.93	7.98	27.00	7.37	26.04	7.12	25.07	6.89	23.14	6.32
	11.0	9.8	30.86	8.14	28.93	7.55	27.00	7.03	26.04	6.81	25.07	6.59	23.14	6.16
	13.0	11.8	30.86	7.67	28.93	7.12	27.00	6.70	26.04	6.49	25.07	6.29	23.14	5.89
15.0	13.7	30.86	7.23	28.93	6.80	27.00	6.39	26.04	6.20	25.07	6.00	23.14	5.63	
18.0	15.8	30.86	6.83	28.93	6.45	27.00	6.08	26.04	5.89	25.07	5.71	23.14	5.36	
20.0	17.6	30.86	6.53	28.93	6.16	27.00	5.80	26.04	5.63	25.07	5.47	23.14	5.14	
23.0	20.2	30.86	6.10	28.93	5.76	27.00	5.44	26.04	5.27	25.07	5.12	23.14	4.81	
26.0	22.0	30.86	5.81	28.93	5.49	27.00	5.18	26.04	5.03	25.07	4.88	23.14	4.59	
30.0	24.1	30.86	5.48	28.93	5.18	27.00	4.89	26.04	4.74	25.07	4.60	23.14	4.32	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.9:8HP heating capacity(continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
90%	-29.8	-30.0	16.89	8.29	16.84	8.60	16.79	8.94	16.71	9.15	16.70	9.85	16.70	11.32
	-25.0	-25.4	17.77	8.67	17.72	8.99	17.68	9.34	17.59	9.54	17.58	10.06	17.58	11.01
	-19.8	-20.0	19.75	9.14	19.69	9.47	19.64	9.82	19.55	10.00	19.54	10.19	19.53	10.65
	-18.8	-19.0	21.35	9.35	21.28	9.68	21.21	10.03	21.18	10.22	21.15	10.41	20.83	10.45
	-16.7	-17.0	22.42	9.78	22.33	10.12	22.25	10.47	22.21	10.66	22.56	11.03	20.83	10.07
	-13.7	-15.0	23.52	10.28	23.42	10.62	23.32	10.99	23.43	11.15	22.56	10.67	20.83	9.73
	-11.8	-13.0	24.65	10.71	24.54	11.06	24.30	11.16	23.43	10.69	22.56	10.23	20.83	9.36
	-9.8	-11.0	25.81	11.15	26.04	11.61	24.30	10.69	23.43	10.24	22.56	9.78	20.83	9.03
	-9.5	-10.0	26.40	11.33	26.04	11.31	24.30	10.41	23.43	9.95	22.56	9.55	20.83	8.82
	-8.5	-9.1	26.94	11.54	26.04	11.10	24.30	10.19	23.43	9.77	22.56	9.40	20.83	8.66
	-7.0	-7.6	27.77	11.62	26.04	10.72	24.30	9.86	23.43	9.49	22.56	9.13	20.83	8.40
	-5.0	-5.6	27.77	11.09	26.04	10.21	24.30	9.48	23.43	9.12	22.56	8.76	20.83	8.05
	-3.0	-3.7	27.77	10.46	26.04	9.70	24.30	8.99	23.43	8.65	22.56	8.32	20.83	7.64
	0.0	-0.7	27.77	9.59	26.04	8.93	24.30	8.28	23.43	7.96	22.56	7.65	20.83	7.09
	3.0	2.2	27.77	8.85	26.04	8.24	24.30	7.63	23.43	7.34	22.56	7.10	20.83	6.64
	5.0	4.1	27.77	8.38	26.04	7.80	24.30	7.24	23.43	7.02	22.56	6.80	20.83	6.37
	7.0	6.0	27.77	7.93	26.04	7.39	24.30	6.93	23.43	6.72	22.56	6.51	20.83	6.11
	9.0	7.9	27.77	7.51	26.04	7.03	24.30	6.63	23.43	6.44	22.56	6.02	20.83	5.32
	11.0	9.8	27.77	7.10	26.04	6.72	24.30	6.34	23.43	6.15	22.56	5.86	20.83	5.14
	13.0	11.8	27.77	6.76	26.04	6.40	24.30	6.04	23.43	5.87	22.56	5.59	20.83	4.97
15.0	13.7	27.77	6.45	26.04	6.11	24.30	5.78	23.43	5.62	22.56	5.46	20.83	4.81	
18.0	15.8	27.77	6.12	26.04	5.81	24.30	5.50	23.43	5.35	22.56	5.20	20.83	4.90	
20.0	17.6	27.77	5.84	26.04	5.55	24.30	5.26	23.43	5.11	22.56	4.98	20.83	4.70	
23.0	20.2	27.77	5.47	26.04	5.19	24.30	4.92	23.43	4.79	22.56	4.66	20.83	4.40	
26.0	22.0	27.77	5.21	26.04	4.94	24.30	4.69	23.43	4.56	22.56	4.44	20.83	4.23	
30.0	24.1	27.77	4.91	26.04	4.66	24.30	4.41	23.43	4.29	22.56	4.18	20.83	4.03	
80%	-29.8	-30.0	17.24	9.05	17.19	9.40	17.16	9.77	16.95	10.90	16.94	10.47	15.83	9.63
	-25.0	-25.4	18.15	9.27	18.10	9.62	18.06	9.99	17.85	10.71	17.83	10.29	16.66	9.45
	-19.8	-20.0	20.16	9.49	20.11	9.85	20.07	10.22	19.83	10.52	19.82	10.11	18.51	9.27
	-18.8	-19.0	21.18	9.72	21.12	10.07	21.06	10.45	20.83	10.34	20.06	9.92	18.51	9.09
	-16.7	-17.0	22.23	10.17	22.15	10.53	21.60	10.37	20.83	9.96	20.06	9.55	18.51	8.82
	-13.7	-15.0	23.31	10.70	23.14	10.85	21.60	10.04	20.83	9.62	20.06	9.24	18.51	8.60
	-11.8	-13.0	24.69	11.20	23.14	10.40	21.60	9.60	20.83	9.26	20.06	8.93	18.51	8.28
	-9.8	-11.0	24.69	10.73	23.14	9.95	21.60	9.25	20.83	8.92	20.06	8.60	18.51	7.96
	-9.5	-10.0	24.69	10.45	23.14	9.68	21.60	9.04	20.83	8.71	20.06	8.40	18.51	7.77
	-8.5	-9.1	24.69	10.24	23.14	9.51	21.60	8.88	20.83	8.56	20.06	8.25	18.51	7.63
	-7.0	-7.6	24.69	9.89	23.14	9.25	21.60	8.61	20.83	8.31	20.06	8.00	18.51	7.38
	-5.0	-5.6	24.69	9.49	23.14	8.87	21.60	8.26	20.83	7.96	20.06	7.65	18.51	7.09
	-3.0	-3.7	24.69	9.01	23.14	8.42	21.60	7.84	20.83	7.55	20.06	7.27	18.51	6.81
	0.0	-0.7	24.69	8.30	23.14	7.74	21.60	7.21	20.83	7.00	20.06	6.79	18.51	6.38
	3.0	2.2	24.69	7.65	23.14	7.15	21.60	6.76	20.83	6.56	20.06	6.37	18.51	5.99
	5.0	4.1	24.69	7.23	23.14	6.85	21.60	6.47	20.83	6.29	20.06	6.11	18.51	5.75
	7.0	6.0	24.69	6.91	23.14	6.55	21.60	6.20	20.83	6.03	20.06	5.74	18.51	5.10
	9.0	7.9	24.69	6.60	23.14	6.16	21.60	5.54	20.83	5.31	20.06	5.01	18.51	4.61
	11.0	9.8	24.69	6.31	23.14	6.00	21.60	5.36	20.83	5.14	20.06	4.84	18.51	4.40
	13.0	11.8	24.69	6.01	23.14	5.72	21.60	5.21	20.83	4.88	20.06	4.60	18.51	4.18
15.0	13.7	24.69	5.74	23.14	5.47	21.60	5.09	20.83	4.74	20.06	4.45	18.51	3.98	
18.0	15.8	24.69	5.46	23.14	5.20	21.60	4.96	20.83	4.83	20.06	4.71	18.51	4.35	
20.0	17.6	24.69	5.23	23.14	4.98	21.60	4.74	20.83	4.63	20.06	4.51	18.51	4.34	
23.0	20.2	24.69	4.89	23.14	4.66	21.60	4.44	20.83	4.33	20.06	4.26	18.51	4.14	
26.0	22.0	24.69	4.65	23.14	4.43	21.60	4.22	20.83	4.16	20.06	4.10	18.51	3.98	
30.0	24.1	24.69	4.37	23.14	4.17	21.60	4.02	20.83	3.95	20.06	3.88	18.51	3.52	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.9:8HP heating capacity(continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
70%	-29.8	-30.0	17.07	9.83	16.74	10.63	16.16	9.86	15.58	9.39	15.01	9.04	13.85	8.54
	-25.0	-25.4	17.97	9.93	17.62	10.35	17.01	9.61	16.40	9.20	15.79	8.86	14.58	8.35
	-19.8	-20.0	19.97	9.99	19.58	10.05	18.90	9.35	18.23	8.98	17.55	8.67	16.20	8.15
	-18.8	-19.0	21.02	10.23	20.25	9.86	18.90	9.16	18.23	8.82	17.55	8.56	16.20	8.03
	-16.7	-17.0	21.60	10.19	20.25	9.50	18.90	8.85	18.23	8.59	17.55	8.32	16.20	7.78
	-13.7	-15.0	21.60	9.86	20.25	9.18	18.90	8.63	18.23	8.36	17.55	8.09	16.20	7.54
	-11.8	-13.0	21.60	9.43	20.25	8.87	18.90	8.33	18.23	8.06	17.55	7.78	16.20	7.23
	-9.8	-11.0	21.60	9.09	20.25	8.55	18.90	8.01	18.23	7.74	17.55	7.47	16.20	6.93
	-9.5	-10.0	21.60	8.88	20.25	8.35	18.90	7.81	18.23	7.54	17.55	7.28	16.20	6.76
	-8.5	-9.1	21.60	8.73	20.25	8.20	18.90	7.67	18.23	7.40	17.55	7.14	16.20	6.68
	-7.0	-7.6	21.60	8.47	20.25	7.95	18.90	7.43	18.23	7.17	17.55	6.92	16.20	6.54
	-5.0	-5.6	21.60	8.12	20.25	7.61	18.90	7.11	18.23	6.91	17.55	6.72	16.20	6.34
	-3.0	-3.7	21.60	7.70	20.25	7.22	18.90	6.82	18.23	6.64	17.55	6.45	16.20	6.09
	0.0	-0.7	21.60	7.08	20.25	6.73	18.90	6.39	18.23	6.22	17.55	6.04	16.20	5.71
	3.0	2.2	21.60	6.63	20.25	6.31	18.90	5.99	18.23	5.83	17.55	5.68	16.20	5.37
	5.0	4.1	21.60	6.35	20.25	6.05	18.90	5.74	18.23	5.60	17.55	5.45	16.20	5.16
	7.0	6.0	21.60	6.08	20.25	5.81	18.90	5.18	18.23	4.96	17.55	4.81	16.20	4.53
	9.0	7.9	21.60	5.50	20.25	5.01	18.90	4.60	18.23	4.47	17.55	4.33	16.20	4.06
	11.0	9.8	21.60	5.35	20.25	4.85	18.90	4.39	18.23	4.26	17.55	4.13	16.20	3.88
	13.0	11.8	21.60	5.10	20.25	4.61	18.90	4.17	18.23	4.05	17.55	3.93	16.20	3.69
15.0	13.7	21.60	4.98	20.25	4.47	18.90	4.03	18.23	3.80	17.55	3.60	16.20	3.38	
18.0	15.8	21.60	4.85	20.25	4.65	18.90	4.45	18.23	4.12	17.55	3.87	16.20	3.53	
20.0	17.6	21.60	4.64	20.25	4.45	18.90	4.29	18.23	4.24	17.55	3.95	16.20	3.49	
23.0	20.2	21.60	4.34	20.25	4.19	18.90	4.09	18.23	4.04	17.55	3.99	16.20	3.65	
26.0	22.0	21.60	4.13	20.25	4.02	18.90	3.92	18.23	3.87	17.55	3.82	16.20	3.71	
30.0	24.1	21.60	3.91	20.25	3.80	18.90	3.57	18.23	3.30	17.55	3.08	16.20	2.78	
60%	-29.8	-30.0	15.83	9.46	14.84	8.93	13.85	8.52	13.36	8.31	12.86	8.09	11.87	7.59
	-25.0	-25.4	16.66	9.22	15.62	8.71	14.58	8.29	14.06	8.08	13.54	7.86	12.50	7.38
	-19.8	-20.0	18.51	8.95	17.36	8.43	16.20	8.00	15.62	7.79	15.04	7.57	13.89	7.13
	-18.8	-19.0	18.51	8.78	17.36	8.32	16.20	7.89	15.62	7.67	15.04	7.45	13.89	7.00
	-16.7	-17.0	18.51	8.52	17.36	8.08	16.20	7.65	15.62	7.42	15.04	7.19	13.89	6.74
	-13.7	-15.0	18.51	8.31	17.36	7.86	16.20	7.41	15.62	7.18	15.04	6.95	13.89	6.50
	-11.8	-13.0	18.51	8.00	17.36	7.56	16.20	7.11	15.62	6.88	15.04	6.66	13.89	6.30
	-9.8	-11.0	18.51	7.69	17.36	7.25	16.20	6.81	15.62	6.61	15.04	6.45	13.89	6.13
	-9.5	-10.0	18.51	7.51	17.36	7.07	16.20	6.65	15.62	6.50	15.04	6.34	13.89	6.02
	-8.5	-9.1	18.51	7.36	17.36	6.94	16.20	6.57	15.62	6.42	15.04	6.26	13.89	5.94
	-7.0	-7.6	18.51	7.13	17.36	6.74	16.20	6.43	15.62	6.27	15.04	6.12	13.89	5.80
	-5.0	-5.6	18.51	6.85	17.36	6.54	16.20	6.23	15.62	6.08	15.04	5.92	13.89	5.61
	-3.0	-3.7	18.51	6.57	17.36	6.28	16.20	5.98	15.62	5.83	15.04	5.68	13.89	5.39
	0.0	-0.7	18.51	6.15	17.36	5.88	16.20	5.60	15.62	5.47	15.04	5.33	13.89	5.06
	3.0	2.2	18.51	5.77	17.36	5.52	16.20	5.27	15.62	5.15	15.04	5.02	13.89	4.77
	5.0	4.1	18.51	5.54	17.36	5.30	16.20	5.07	15.62	4.95	15.04	4.83	13.89	4.60
	7.0	6.0	18.51	4.90	17.36	4.67	16.20	4.44	15.62	4.32	15.04	4.21	13.89	4.01
	9.0	7.9	18.51	4.41	17.36	4.18	16.20	3.96	15.62	3.85	15.04	3.75	13.89	3.59
	11.0	9.8	18.51	4.20	17.36	3.99	16.20	3.78	15.62	3.69	15.04	3.61	13.89	3.50
	13.0	11.8	18.51	3.99	17.36	3.79	16.20	3.61	15.62	3.56	15.04	3.51	13.89	3.40
15.0	13.7	18.51	3.80	17.36	3.47	16.20	3.30	15.62	3.25	15.04	3.20	13.89	3.11	
18.0	15.8	18.51	4.16	17.36	3.76	16.20	3.45	15.62	3.27	15.04	3.13	13.89	3.00	
20.0	17.6	18.51	4.16	17.36	3.84	16.20	3.48	15.62	3.29	15.04	3.12	13.89	2.84	
23.0	20.2	18.51	3.95	17.36	3.87	16.20	3.55	15.62	3.40	15.04	3.20	13.89	2.84	
26.0	22.0	18.51	3.77	17.36	3.68	16.20	3.60	15.62	3.56	15.04	3.52	13.89	3.45	
30.0	24.1	18.51	3.29	17.36	2.95	16.20	2.65	15.62	2.51	15.04	2.40	13.89	2.31	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.9:8HP heating capacity(continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50%	-29.8	-30.0	13.19	7.97	12.37	7.64	11.54	7.28	11.13	7.06	10.72	6.83	9.89	6.36
	-25.0	-25.4	13.89	7.77	13.02	7.43	12.15	7.07	11.72	6.87	11.28	6.66	10.41	6.24
	-19.8	-20.0	15.43	7.53	14.46	7.18	13.50	6.83	13.02	6.66	12.54	6.48	11.57	6.12
	-18.8	-19.0	15.43	7.41	14.46	7.07	13.50	6.71	13.02	6.53	12.54	6.35	11.57	5.99
	-16.7	-17.0	15.43	7.16	14.46	6.81	13.50	6.45	13.02	6.27	12.54	6.09	11.57	5.85
	-13.7	-15.0	15.43	6.93	14.46	6.58	13.50	6.23	13.02	6.11	12.54	5.99	11.57	5.74
	-11.8	-13.0	15.43	6.64	14.46	6.32	13.50	6.08	13.02	5.95	12.54	5.83	11.57	5.57
	-9.8	-11.0	15.43	6.41	14.46	6.16	13.50	5.91	13.02	5.78	12.54	5.65	11.57	5.39
	-9.5	-10.0	15.43	6.29	14.46	6.04	13.50	5.79	13.02	5.67	12.54	5.54	11.57	5.28
	-8.5	-9.1	15.43	6.21	14.46	5.96	13.50	5.71	13.02	5.59	12.54	5.46	11.57	5.21
	-7.0	-7.6	15.43	6.07	14.46	5.83	13.50	5.58	13.02	5.45	12.54	5.33	11.57	5.08
	-5.0	-5.6	15.43	5.88	14.46	5.64	13.50	5.40	13.02	5.27	12.54	5.15	11.57	4.91
	-3.0	-3.7	15.43	5.64	14.46	5.41	13.50	5.18	13.02	5.07	12.54	4.95	11.57	4.72
	0.0	-0.7	15.43	5.28	14.46	5.08	13.50	4.86	13.02	4.76	12.54	4.65	11.57	4.46
	3.0	2.2	15.43	4.98	14.46	4.78	13.50	4.59	13.02	4.49	12.54	4.42	11.57	4.29
	5.0	4.1	15.43	4.78	14.46	4.61	13.50	4.31	13.02	4.01	12.54	3.86	11.57	3.73
	7.0	6.0	15.43	4.17	14.46	4.00	13.50	3.87	13.02	3.82	12.54	3.77	11.57	3.66
	9.0	7.9	15.43	3.70	14.46	3.56	13.50	3.46	13.02	3.42	12.54	3.37	11.57	3.27
	11.0	9.8	15.43	3.54	14.46	3.46	13.50	3.38	13.02	3.33	12.54	3.29	11.57	3.21
	13.0	11.8	15.43	3.43	14.46	3.36	13.50	3.29	13.02	3.25	12.54	3.22	11.57	3.14
15.0	13.7	15.43	3.13	14.46	3.06	13.50	2.99	13.02	2.96	12.54	2.93	11.57	2.86	
18.0	15.8	15.43	3.14	14.46	2.95	13.50	2.89	13.02	2.86	12.54	2.82	11.57	2.75	
20.0	17.6	15.43	3.16	14.46	2.92	13.50	2.69	13.02	2.62	12.54	2.59	11.57	2.54	
23.0	20.2	15.43	3.25	14.46	2.88	13.50	2.65	13.02	2.60	12.54	2.59	11.57	2.47	
26.0	22.0	15.43	3.38	14.46	3.33	13.50	3.32	13.02	3.30	12.54	3.28	11.57	3.19	
30.0	24.1	15.43	2.32	14.46	2.20	13.50	2.21	13.02	2.23	12.54	2.20	11.57	2.16	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table2-8.10:10HP heating capacity

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130%	-29.8	-30.0	19.23	8.20	19.17	8.51	19.12	8.84	19.10	9.02	19.08	9.20	19.05	9.57
	-25.0	-25.4	20.25	8.59	20.18	8.91	20.13	9.25	20.11	9.43	20.09	9.61	20.06	9.99
	-19.8	-20.0	22.50	9.09	22.43	9.42	22.37	9.76	22.34	9.94	22.32	10.13	22.29	10.52
	-18.8	-19.0	24.51	9.30	24.42	9.62	24.33	9.97	24.30	10.15	24.26	10.34	24.20	10.73
	-16.7	-17.0	25.74	9.72	25.63	10.05	25.54	10.40	25.49	10.59	25.45	10.78	25.38	11.17
	-13.7	-15.0	27.01	10.20	26.89	10.55	26.78	10.91	26.73	11.10	26.68	11.29	26.59	11.69
	-11.8	-13.0	28.33	10.62	28.20	10.97	28.07	11.34	28.01	11.53	27.95	11.72	27.85	12.13
	-9.8	-11.0	29.67	11.05	29.53	11.40	29.39	11.78	29.33	11.97	29.26	12.17	29.14	12.59
	-9.5	-10.0	30.34	11.21	30.19	11.57	30.05	11.94	29.98	12.14	29.91	12.34	29.79	12.76
	-8.5	-9.1	30.95	11.41	30.79	11.77	30.64	12.15	30.57	12.35	30.50	12.55	30.37	12.98
	-7.0	-7.6	31.97	11.73	31.81	12.10	31.65	12.48	31.57	12.69	31.49	12.89	31.35	13.32
	-5.0	-5.6	33.36	12.17	33.18	12.54	33.01	12.94	32.92	13.14	32.84	13.36	32.68	13.80
	-3.0	-3.7	34.71	12.43	34.52	12.81	34.33	13.21	34.23	13.42	34.14	13.63	33.97	14.08
	0.0	-0.7	36.88	12.85	36.66	13.24	36.45	13.65	36.35	13.86	36.24	14.07	35.10	13.52
	3.0	2.2	38.72	13.05	38.48	13.44	38.25	13.84	38.13	14.05	38.03	13.98	35.10	12.40
	5.0	4.1	38.92	12.45	38.66	12.81	38.40	13.19	38.27	13.39	38.03	13.21	35.10	11.69
	7.0	6.0	40.02	12.47	39.74	12.83	39.46	13.21	39.49	13.23	38.03	12.46	35.10	11.02
	9.0	7.9	41.44	12.71	41.15	13.08	40.95	13.20	39.49	12.48	38.03	11.75	35.10	10.40
	11.0	9.8	42.88	12.95	42.57	13.33	40.95	12.46	39.49	11.76	38.03	11.07	35.10	9.87
	13.0	11.8	44.40	13.21	43.88	13.09	40.95	11.70	39.49	11.03	38.03	10.41	35.10	9.34
15.0	13.7	46.80	13.74	43.88	12.34	40.95	11.00	39.49	10.41	38.03	9.88	35.10	8.85	
18.0	15.8	46.80	12.89	43.88	11.55	40.95	10.34	39.49	9.82	38.03	9.31	35.10	8.34	
20.0	17.6	46.80	12.18	43.88	10.89	40.95	9.83	39.49	9.33	38.03	8.85	35.10	7.91	
23.0	20.2	46.80	11.19	43.88	10.10	40.95	9.12	39.49	8.65	38.03	8.20	35.10	7.31	
26.0	22.0	46.80	10.57	43.88	9.59	40.95	8.64	39.49	8.20	38.03	7.74	35.10	6.99	
30.0	24.1	46.80	9.95	43.88	9.01	40.95	8.10	39.49	7.66	38.03	7.24	35.10	6.62	
120%	-29.8	-30.0	19.12	8.35	19.06	8.67	19.02	9.02	19.00	9.20	18.98	9.38	18.96	9.77
	-25.0	-25.4	20.13	8.76	20.07	9.09	20.02	9.44	20.00	9.62	19.98	9.81	19.96	10.21
	-19.8	-20.0	22.36	9.27	22.30	9.61	22.24	9.97	22.22	10.15	22.20	10.35	22.18	10.75
	-18.8	-19.0	24.35	9.49	24.27	9.83	24.19	10.18	24.16	10.37	24.13	10.57	24.08	10.97
	-16.7	-17.0	25.58	9.92	25.48	10.27	25.39	10.63	25.35	10.82	25.31	11.02	25.25	11.43
	-13.7	-15.0	26.85	10.43	26.73	10.78	26.63	11.15	26.58	11.35	26.54	11.55	26.46	11.97
	-11.8	-13.0	28.12	10.85	27.99	11.21	27.88	11.59	27.83	11.79	27.78	12.00	27.68	12.43
	-9.8	-11.0	29.42	11.29	29.28	11.66	29.15	12.05	29.09	12.25	29.03	12.46	28.92	12.90
	-9.5	-10.0	30.08	11.46	29.93	11.83	29.80	12.22	29.73	12.42	29.67	12.63	29.55	13.07
	-8.5	-9.1	30.68	11.67	30.53	12.04	30.39	12.44	30.32	12.64	30.25	12.85	30.13	13.30
	-7.0	-7.6	31.70	12.01	31.53	12.39	31.38	12.79	31.30	13.00	31.23	13.21	31.10	13.66
	-5.0	-5.6	33.07	12.46	32.89	12.85	32.72	13.26	32.64	13.48	32.56	13.70	32.40	13.90
	-3.0	-3.7	34.40	12.74	34.21	13.14	34.03	13.55	33.93	13.77	33.85	13.99	32.40	13.16
	0.0	-0.7	36.54	13.19	36.33	13.59	36.12	14.02	36.45	14.29	35.10	13.53	32.40	12.04
	3.0	2.2	38.35	13.40	38.12	13.81	37.80	13.86	36.45	13.13	35.10	12.40	32.40	11.02
	5.0	4.1	38.52	12.78	38.26	13.16	37.80	13.09	36.45	12.39	35.10	11.71	32.40	10.39
	7.0	6.0	39.60	12.81	39.33	13.19	37.80	12.36	36.45	11.69	35.10	11.04	32.40	9.87
	9.0	7.9	41.00	13.07	40.50	12.98	37.80	11.65	36.45	11.00	35.10	10.41	32.40	9.38
	11.0	9.8	43.20	13.57	40.50	12.22	37.80	10.96	36.45	10.39	35.10	9.87	32.40	8.89
	13.0	11.8	43.20	12.75	40.50	11.48	37.80	10.32	36.45	9.83	35.10	9.34	32.40	8.41
15.0	13.7	43.20	12.02	40.50	10.81	37.80	9.79	36.45	9.33	35.10	8.86	32.40	7.97	
18.0	15.8	43.20	11.23	40.50	10.16	37.80	9.23	36.45	8.79	35.10	8.34	32.40	7.49	
20.0	17.6	43.20	10.60	40.50	9.66	37.80	8.76	36.45	8.34	35.10	7.91	32.40	7.15	
23.0	20.2	43.20	9.83	40.50	8.95	37.80	8.11	36.45	7.70	35.10	7.31	32.40	6.71	
26.0	22.0	43.20	9.34	40.50	8.48	37.80	7.67	36.45	7.28	35.10	6.97	32.40	6.41	
30.0	24.1	43.20	8.76	40.50	7.95	37.80	7.18	36.45	6.89	35.10	6.61	32.40	6.08	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.10:10HP heating capacity(continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
110%	-29.8	-30.0	18.94	8.51	18.90	8.84	18.86	9.20	18.85	9.38	18.84	9.57	18.83	9.98
	-25.0	-25.4	19.94	8.94	19.89	9.28	19.85	9.64	19.84	9.83	19.83	10.03	19.82	10.45
	-19.8	-20.0	22.16	9.50	22.10	9.85	22.06	10.22	22.05	10.41	22.03	10.62	22.02	11.04
	-18.8	-19.0	24.21	9.72	24.13	10.07	24.07	10.45	24.04	10.64	24.02	10.84	23.98	11.27
	-16.7	-17.0	25.41	10.17	25.32	10.53	25.24	10.91	25.21	11.11	25.18	11.31	25.13	11.75
	-13.7	-15.0	26.63	10.69	26.52	11.06	26.43	11.45	26.39	11.65	26.35	11.86	26.29	12.30
	-11.8	-13.0	27.88	11.14	27.76	11.51	27.66	11.91	27.61	12.11	27.56	12.33	27.48	12.78
	-9.8	-11.0	29.16	11.59	29.03	11.98	28.91	12.38	28.85	12.59	28.80	12.81	28.70	13.27
	-9.5	-10.0	29.82	11.77	29.68	12.16	29.55	12.56	29.49	12.78	29.43	13.00	29.70	13.55
	-8.5	-9.1	30.41	11.99	30.26	12.38	30.13	12.79	30.07	13.01	30.00	13.23	29.70	13.32
	-7.0	-7.6	31.41	12.34	31.25	12.74	31.11	13.16	31.04	13.38	30.97	13.60	29.70	12.90
	-5.0	-5.6	32.76	12.82	32.60	13.23	32.43	13.66	32.36	13.88	32.17	13.77	29.70	12.34
	-3.0	-3.7	34.07	13.12	33.89	13.54	33.71	13.97	33.41	13.75	32.17	13.05	29.70	11.67
	0.0	-0.7	36.18	13.60	35.97	14.02	34.65	13.26	33.41	12.59	32.17	11.94	29.70	10.65
	3.0	2.2	37.95	13.84	37.13	13.47	34.65	12.16	33.41	11.53	32.17	10.91	29.70	9.82
	5.0	4.1	38.10	13.19	37.13	12.72	34.65	11.47	33.41	10.87	32.17	10.29	29.70	9.32
	7.0	6.0	39.60	13.25	37.13	12.00	34.65	10.81	33.41	10.26	32.17	9.79	29.70	8.85
	9.0	7.9	39.60	12.49	37.13	11.32	34.65	10.22	33.41	9.75	32.17	9.28	29.70	8.41
	11.0	9.8	39.60	11.78	37.13	10.64	34.65	9.70	33.41	9.25	32.17	8.81	29.70	7.97
	13.0	11.8	39.60	11.06	37.13	10.05	34.65	9.17	33.41	8.75	32.17	8.33	29.70	7.54
15.0	13.7	39.60	10.41	37.13	9.53	34.65	8.69	33.41	8.28	32.17	7.89	29.70	7.17	
18.0	15.8	39.60	9.81	37.13	8.98	34.65	8.18	33.41	7.80	32.17	7.41	29.70	6.82	
20.0	17.6	39.60	9.32	37.13	8.52	34.65	7.76	33.41	7.39	32.17	7.08	29.70	6.54	
23.0	20.2	39.60	8.65	37.13	7.89	34.65	7.18	33.41	6.90	32.17	6.64	29.70	6.14	
26.0	22.0	39.60	8.18	37.13	7.45	34.65	6.86	33.41	6.60	32.17	6.34	29.70	5.86	
30.0	24.1	39.60	7.66	37.13	7.00	34.65	6.50	33.41	6.25	32.17	6.01	29.70	5.56	
100%	-29.8	-30.0	18.93	8.78	18.82	9.13	18.78	9.50	18.77	9.70	18.76	9.91	18.72	10.60
	-25.0	-25.4	19.92	9.22	19.81	9.58	19.77	9.96	19.76	10.16	19.75	10.37	19.70	10.99
	-19.8	-20.0	22.13	9.78	22.01	10.14	21.96	10.54	21.95	10.74	21.94	10.95	21.89	11.40
	-18.8	-19.0	24.04	10.01	23.97	10.38	23.92	10.77	23.90	10.98	23.88	11.19	23.86	11.64
	-16.7	-17.0	25.20	10.47	25.12	10.85	25.06	11.25	25.03	11.46	25.00	11.68	24.97	12.14
	-13.7	-15.0	26.41	11.02	26.31	11.40	26.23	11.81	26.20	12.03	26.16	12.25	26.11	12.72
	-11.8	-13.0	27.64	11.49	27.53	11.88	27.44	12.30	27.39	12.52	27.35	12.74	27.00	12.78
	-9.8	-11.0	28.91	11.97	28.78	12.37	28.67	12.80	28.62	13.03	28.58	13.26	27.00	12.28
	-9.5	-10.0	29.55	12.16	29.42	12.56	29.30	12.99	29.25	13.22	29.25	13.28	27.00	11.97
	-8.5	-9.1	30.13	12.39	30.00	12.80	29.87	13.24	30.38	13.70	29.25	13.04	27.00	11.74
	-7.0	-7.6	31.12	12.77	30.97	13.18	30.84	13.63	30.38	13.28	29.25	12.64	27.00	11.36
	-5.0	-5.6	32.45	13.28	32.29	13.70	31.50	13.36	30.38	12.71	29.25	12.08	27.00	10.84
	-3.0	-3.7	33.73	13.60	33.75	13.91	31.50	12.65	30.38	12.03	29.25	11.42	27.00	10.24
	0.0	-0.7	36.00	13.99	33.75	12.76	31.50	11.56	30.38	10.98	29.25	10.42	27.00	9.45
	3.0	2.2	36.00	12.83	33.75	11.68	31.50	10.56	30.38	10.07	29.25	9.62	27.00	8.74
	5.0	4.1	36.00	12.12	33.75	11.01	31.50	10.01	30.38	9.57	29.25	9.14	27.00	8.31
	7.0	6.0	36.00	11.41	33.75	10.36	31.50	9.50	30.38	9.09	29.25	8.67	27.00	7.89
	9.0	7.9	36.00	10.74	33.75	9.84	31.50	9.02	30.38	8.62	29.25	8.23	27.00	7.48
	11.0	9.8	36.00	10.16	33.75	9.34	31.50	8.56	30.38	8.18	29.25	7.81	27.00	7.14
	13.0	11.8	36.00	9.61	33.75	8.83	31.50	8.09	30.38	7.73	29.25	7.38	27.00	6.82
15.0	13.7	36.00	9.11	33.75	8.36	31.50	7.66	30.38	7.31	29.25	7.04	27.00	6.53	
18.0	15.8	36.00	8.58	33.75	7.87	31.50	7.21	30.38	6.95	29.25	6.70	27.00	6.21	
20.0	17.6	36.00	8.13	33.75	7.45	31.50	6.90	30.38	6.66	29.25	6.41	27.00	5.96	
23.0	20.2	36.00	7.51	33.75	6.94	31.50	6.47	30.38	6.25	29.25	6.03	27.00	5.59	
26.0	22.0	36.00	7.10	33.75	6.63	31.50	6.19	30.38	5.97	29.25	5.76	27.00	5.35	
30.0	24.1	36.00	6.73	33.75	6.28	31.50	5.86	30.38	5.66	29.25	5.46	27.00	5.07	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.10:10HP heating capacity(continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
90%	-29.8	-30.0	18.70	9.03	18.68	9.40	18.64	9.94	18.61	10.56	18.59	11.36	18.55	12.36
	-25.0	-25.4	19.68	9.51	19.66	9.89	19.62	10.39	19.59	10.89	19.57	11.51	19.53	12.17
	-19.8	-20.0	21.87	10.13	21.84	10.52	21.80	10.94	21.76	11.16	21.74	11.39	21.70	11.40
	-18.8	-19.0	23.85	10.37	23.80	10.77	23.76	11.19	23.75	11.41	23.74	11.64	23.74	12.12
	-16.7	-17.0	25.00	10.87	24.94	11.27	24.89	11.69	24.87	11.92	24.85	12.15	24.30	12.02
	-13.7	-15.0	26.19	11.44	26.11	11.85	26.04	12.29	26.01	12.52	26.33	12.86	24.30	11.67
	-11.8	-13.0	27.40	11.94	27.31	12.36	27.23	12.81	27.34	12.97	26.33	12.37	24.30	11.20
	-9.8	-11.0	28.65	12.46	28.54	12.89	28.35	13.05	27.34	12.46	26.33	11.87	24.30	10.73
	-9.5	-10.0	29.28	12.66	29.16	13.09	28.35	12.72	27.34	12.14	26.33	11.57	24.30	10.44
	-8.5	-9.1	29.85	12.91	29.73	13.35	28.35	12.49	27.34	11.92	26.33	11.35	24.30	10.24
	-7.0	-7.6	30.81	13.31	30.38	13.24	28.35	12.09	27.34	11.52	26.33	10.97	24.30	9.90
	-5.0	-5.6	32.40	13.82	30.38	12.67	28.35	11.55	27.34	11.00	26.33	10.47	24.30	9.52
	-3.0	-3.7	32.40	13.10	30.38	11.99	28.35	10.91	27.34	10.39	26.33	9.92	24.30	9.05
	0.0	-0.7	32.40	11.99	30.38	10.95	28.35	9.99	27.34	9.57	26.33	9.16	24.30	8.35
	3.0	2.2	32.40	10.96	30.38	10.03	28.35	9.24	27.34	8.85	26.33	8.47	24.30	7.72
	5.0	4.1	32.40	10.33	30.38	9.54	28.35	8.77	27.34	8.40	26.33	8.04	24.30	7.33
	7.0	6.0	32.40	9.79	30.38	9.05	28.35	8.33	27.34	7.97	26.33	7.63	24.30	7.03
	9.0	7.9	32.40	9.30	30.38	8.58	28.35	7.91	27.34	7.56	26.33	7.26	24.30	6.53
	11.0	9.8	32.40	8.83	30.38	8.15	28.35	7.49	27.34	7.20	26.33	6.95	24.30	6.35
	13.0	11.8	32.40	8.33	30.38	7.70	28.35	7.12	27.34	6.87	26.33	6.64	24.30	6.06
15.0	13.7	32.40	7.90	30.38	7.28	28.35	6.81	27.34	6.58	26.33	6.35	24.30	5.92	
18.0	15.8	32.40	7.42	30.38	6.92	28.35	6.47	27.34	6.26	26.33	6.04	24.30	5.64	
20.0	17.6	32.40	7.06	30.38	6.62	28.35	6.20	27.34	5.99	26.33	5.80	24.30	5.41	
23.0	20.2	32.40	6.61	30.38	6.20	28.35	5.82	27.34	5.63	26.33	5.45	24.30	5.09	
26.0	22.0	32.40	6.32	30.38	5.94	28.35	5.56	27.34	5.38	26.33	5.20	24.30	4.86	
30.0	24.1	32.40	5.98	30.38	5.62	28.35	5.27	27.34	5.10	26.33	4.92	24.30	4.60	
80%	-29.8	-30.0	18.67	9.65	18.61	10.97	18.58	12.32	18.56	12.60	18.55	12.40	18.00	11.54
	-25.0	-25.4	19.65	10.11	19.59	11.16	19.56	12.19	19.53	12.35	19.52	12.11	18.94	11.24
	-19.8	-20.0	21.83	10.61	21.76	11.03	21.73	11.48	21.70	11.60	21.69	11.29	21.05	10.69
	-18.8	-19.0	23.69	10.86	23.65	11.29	23.64	11.75	23.63	11.99	23.40	11.87	21.60	10.82
	-16.7	-17.0	24.82	11.39	24.77	11.83	25.20	12.51	24.30	11.99	23.40	11.46	21.60	10.43
	-13.7	-15.0	25.98	12.01	25.92	12.45	25.20	12.15	24.30	11.62	23.40	11.12	21.60	10.09
	-11.8	-13.0	27.17	12.54	27.00	12.70	25.20	11.67	24.30	11.16	23.40	10.66	21.60	9.67
	-9.8	-11.0	28.80	13.23	27.00	12.20	25.20	11.19	24.30	10.70	23.40	10.21	21.60	9.30
	-9.5	-10.0	28.80	12.91	27.00	11.89	25.20	10.91	24.30	10.41	23.40	9.92	21.60	9.10
	-8.5	-9.1	28.80	12.68	27.00	11.68	25.20	10.69	24.30	10.21	23.40	9.74	21.60	8.94
	-7.0	-7.6	28.80	12.28	27.00	11.29	25.20	10.32	24.30	9.87	23.40	9.46	21.60	8.68
	-5.0	-5.6	28.80	11.73	27.00	10.78	25.20	9.88	24.30	9.48	23.40	9.09	21.60	8.33
	-3.0	-3.7	28.80	11.08	27.00	10.17	25.20	9.40	24.30	9.02	23.40	8.65	21.60	7.92
	0.0	-0.7	28.80	10.11	27.00	9.39	25.20	8.67	24.30	8.32	23.40	7.98	21.60	7.31
	3.0	2.2	28.80	9.35	27.00	8.68	25.20	8.01	24.30	7.70	23.40	7.38	21.60	6.85
	5.0	4.1	28.80	8.88	27.00	8.24	25.20	7.61	24.30	7.31	23.40	7.06	21.60	6.57
	7.0	6.0	28.80	8.43	27.00	7.82	25.20	7.23	24.30	6.99	23.40	6.76	21.60	6.20
	9.0	7.9	28.80	7.99	27.00	7.42	25.20	6.93	24.30	6.50	23.40	6.18	21.60	5.45
	11.0	9.8	28.80	7.58	27.00	7.07	25.20	6.63	24.30	6.32	23.40	6.01	21.60	5.27
	13.0	11.8	28.80	7.17	27.00	6.75	25.20	6.34	24.30	6.15	23.40	5.73	21.60	5.02
15.0	13.7	28.80	6.86	27.00	6.45	25.20	6.07	24.30	5.89	23.40	5.59	21.60	4.86	
18.0	15.8	28.80	6.52	27.00	6.15	25.20	5.78	24.30	5.61	23.40	5.44	21.60	5.11	
20.0	17.6	28.80	6.24	27.00	5.89	25.20	5.55	24.30	5.38	23.40	5.22	21.60	4.90	
23.0	20.2	28.80	5.86	27.00	5.53	25.20	5.21	24.30	5.05	23.40	4.91	21.60	4.60	
26.0	22.0	28.80	5.60	27.00	5.28	25.20	4.98	24.30	4.83	23.40	4.69	21.60	4.40	
30.0	24.1	28.80	5.29	27.00	5.00	25.20	4.71	24.30	4.57	23.40	4.42	21.60	4.20	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...



Table2-8.10:10HP heating capacity(continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
70%	-29.8	-30.0	18.36	12.00	18.33	12.60	18.09	12.00	18.18	11.50	17.51	10.98	16.16	10.01
	-25.0	-25.4	19.32	11.90	19.30	12.29	19.04	11.65	19.14	11.17	18.43	10.68	17.01	9.74
	-19.8	-20.0	21.47	11.28	21.44	11.57	21.16	11.22	21.26	10.77	20.48	10.32	18.90	9.43
	-18.8	-19.0	23.55	11.55	23.63	11.92	22.05	11.02	21.26	10.57	20.48	10.14	18.90	9.26
	-16.7	-17.0	24.65	12.13	23.63	11.53	22.05	10.63	21.26	10.20	20.48	9.76	18.90	8.93
	-13.7	-15.0	25.20	12.06	23.63	11.17	22.05	10.29	21.26	9.86	20.48	9.43	18.90	8.71
	-11.8	-13.0	25.20	11.59	23.63	10.72	22.05	9.87	21.26	9.44	20.48	9.10	18.90	8.40
	-9.8	-11.0	25.20	11.12	23.63	10.26	22.05	9.46	21.26	9.11	20.48	8.76	18.90	8.08
	-9.5	-10.0	25.20	10.82	23.63	9.99	22.05	9.24	21.26	8.90	20.48	8.56	18.90	7.89
	-8.5	-9.1	25.20	10.61	23.63	9.79	22.05	9.09	21.26	8.75	20.48	8.41	18.90	7.75
	-7.0	-7.6	25.20	10.26	23.63	9.50	22.05	8.83	21.26	8.49	20.48	8.16	18.90	7.51
	-5.0	-5.6	25.20	9.81	23.63	9.13	22.05	8.47	21.26	8.15	20.48	7.83	18.90	7.20
	-3.0	-3.7	25.20	9.32	23.63	8.68	22.05	8.06	21.26	7.75	20.48	7.44	18.90	6.90
	0.0	-0.7	25.20	8.61	23.63	8.01	22.05	7.43	21.26	7.15	20.48	6.93	18.90	6.48
	3.0	2.2	25.20	7.95	23.63	7.40	22.05	6.93	21.26	6.72	20.48	6.51	18.90	6.10
	5.0	4.1	25.20	7.55	23.63	7.07	22.05	6.66	21.26	6.45	20.48	6.25	18.90	5.86
	7.0	6.0	25.20	7.17	23.63	6.77	22.05	6.38	21.26	5.97	20.48	5.68	18.90	5.13
	9.0	7.9	25.20	6.87	23.63	6.18	22.05	5.59	21.26	5.28	20.48	5.03	18.90	4.66
	11.0	9.8	25.20	6.58	23.63	6.01	22.05	5.39	21.26	5.09	20.48	4.86	18.90	4.45
	13.0	11.8	25.20	6.28	23.63	5.85	22.05	5.22	21.26	4.91	20.48	4.62	18.90	4.23
15.0	13.7	25.20	6.01	23.63	5.71	22.05	5.07	21.26	4.75	20.48	4.47	18.90	3.95	
18.0	15.8	25.20	5.73	23.63	5.43	22.05	5.15	21.26	5.00	20.48	4.87	18.90	4.26	
20.0	17.6	25.20	5.49	23.63	5.22	22.05	4.94	21.26	4.81	20.48	4.67	18.90	4.19	
23.0	20.2	25.20	5.16	23.63	4.90	22.05	4.65	21.26	4.51	20.48	4.39	18.90	4.24	
26.0	22.0	25.20	4.93	23.63	4.68	22.05	4.43	21.26	4.31	20.48	4.24	18.90	4.10	
30.0	24.1	25.20	4.66	23.63	4.41	22.05	4.20	21.26	4.13	20.48	3.94	18.90	3.48	
60%	-29.8	-30.0	18.47	11.65	17.31	10.80	16.16	9.96	15.58	9.55	15.01	9.23	13.85	8.67
	-25.0	-25.4	19.44	11.30	18.23	10.49	17.01	9.69	16.40	9.30	15.79	8.99	14.58	8.43
	-19.8	-20.0	21.60	10.86	20.25	10.12	18.90	9.37	18.23	8.99	17.55	8.66	16.20	8.10
	-18.8	-19.0	21.60	10.67	20.25	9.93	18.90	9.20	18.23	8.82	17.55	8.54	16.20	7.98
	-16.7	-17.0	21.60	10.30	20.25	9.56	18.90	8.87	18.23	8.58	17.55	8.30	16.20	7.73
	-13.7	-15.0	21.60	9.96	20.25	9.24	18.90	8.65	18.23	8.36	17.55	8.07	16.20	7.49
	-11.8	-13.0	21.60	9.53	20.25	8.92	18.90	8.34	18.23	8.06	17.55	7.77	16.20	7.20
	-9.8	-11.0	21.60	9.17	20.25	8.60	18.90	8.03	18.23	7.74	17.55	7.46	16.20	6.90
	-9.5	-10.0	21.60	8.96	20.25	8.39	18.90	7.83	18.23	7.56	17.55	7.28	16.20	6.72
	-8.5	-9.1	21.60	8.81	20.25	8.26	18.90	7.69	18.23	7.42	17.55	7.14	16.20	6.64
	-7.0	-7.6	21.60	8.56	20.25	8.00	18.90	7.46	18.23	7.19	17.55	6.92	16.20	6.51
	-5.0	-5.6	21.60	8.21	20.25	7.68	18.90	7.14	18.23	6.92	17.55	6.72	16.20	6.32
	-3.0	-3.7	21.60	7.81	20.25	7.30	18.90	6.85	18.23	6.66	17.55	6.46	16.20	6.08
	0.0	-0.7	21.60	7.20	20.25	6.80	18.90	6.44	18.23	6.25	17.55	6.07	16.20	5.71
	3.0	2.2	21.60	6.75	20.25	6.39	18.90	6.05	18.23	5.88	17.55	5.72	16.20	5.39
	5.0	4.1	21.60	6.47	20.25	6.14	18.90	5.81	18.23	5.66	17.55	5.50	16.20	5.19
	7.0	6.0	21.60	6.10	20.25	5.58	18.90	5.09	18.23	4.93	17.55	4.78	16.20	4.47
	9.0	7.9	21.60	5.34	20.25	4.92	18.90	4.61	18.23	4.46	17.55	4.31	16.20	4.02
	11.0	9.8	21.60	5.16	20.25	4.70	18.90	4.41	18.23	4.26	17.55	4.12	16.20	3.84
	13.0	11.8	21.60	4.98	20.25	4.52	18.90	4.19	18.23	4.06	17.55	3.92	16.20	3.66
15.0	13.7	21.60	4.83	20.25	4.37	18.90	3.95	18.23	3.75	17.55	3.57	16.20	3.35	
18.0	15.8	21.60	5.01	20.25	4.78	18.90	4.22	18.23	3.93	17.55	3.69	16.20	3.32	
20.0	17.6	21.60	4.80	20.25	4.58	18.90	4.26	18.23	3.97	17.55	3.73	16.20	3.32	
23.0	20.2	21.60	4.51	20.25	4.31	18.90	4.20	18.23	4.14	17.55	3.96	16.20	3.44	
26.0	22.0	21.60	4.31	20.25	4.17	18.90	4.06	18.23	4.00	17.55	3.94	16.20	3.83	
30.0	24.1	21.60	4.10	20.25	3.87	18.90	3.43	18.23	3.22	17.55	3.03	16.20	2.71	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.10:10HP heating capacity(continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50%	-29.8	-30.0	15.39	9.33	14.43	8.86	13.47	8.41	12.99	8.15	12.50	7.89	11.54	7.34
	-25.0	-25.4	16.20	9.09	15.19	8.61	14.18	8.16	13.67	7.92	13.16	7.67	12.15	7.14
	-19.8	-20.0	18.00	8.77	16.88	8.29	15.75	7.84	15.19	7.61	14.63	7.39	13.50	6.93
	-18.8	-19.0	18.00	8.63	16.88	8.17	15.75	7.72	15.19	7.49	14.63	7.26	13.50	6.80
	-16.7	-17.0	18.00	8.39	16.88	7.93	15.75	7.47	15.19	7.24	14.63	7.01	13.50	6.54
	-13.7	-15.0	18.00	8.17	16.88	7.70	15.75	7.24	15.19	7.00	14.63	6.77	13.50	6.30
	-11.8	-13.0	18.00	7.87	16.88	7.41	15.75	6.94	15.19	6.71	14.63	6.49	13.50	6.15
	-9.8	-11.0	18.00	7.56	16.88	7.10	15.75	6.65	15.19	6.48	14.63	6.31	13.50	5.99
	-9.5	-10.0	18.00	7.37	16.88	6.93	15.75	6.53	15.19	6.36	14.63	6.20	13.50	5.88
	-8.5	-9.1	18.00	7.24	16.88	6.80	15.75	6.45	15.19	6.29	14.63	6.13	13.50	5.80
	-7.0	-7.6	18.00	7.02	16.88	6.64	15.75	6.32	15.19	6.15	14.63	6.00	13.50	5.67
	-5.0	-5.6	18.00	6.77	16.88	6.45	15.75	6.13	15.19	5.97	14.63	5.81	13.50	5.50
	-3.0	-3.7	18.00	6.51	16.88	6.20	15.75	5.90	15.19	5.74	14.63	5.59	13.50	5.29
	0.0	-0.7	18.00	6.12	16.88	5.82	15.75	5.54	15.19	5.40	14.63	5.26	13.50	4.97
	3.0	2.2	18.00	5.75	16.88	5.49	15.75	5.22	15.19	5.09	14.63	4.96	13.50	4.71
	5.0	4.1	18.00	5.53	16.88	5.28	15.75	5.03	15.19	4.91	14.63	4.66	13.50	4.00
	7.0	6.0	18.00	4.81	16.88	4.57	15.75	4.32	15.19	4.20	14.63	4.08	13.50	3.87
	9.0	7.9	18.00	4.34	16.88	4.11	15.75	3.87	15.19	3.76	14.63	3.64	13.50	3.48
	11.0	9.8	18.00	4.14	16.88	3.92	15.75	3.70	15.19	3.60	14.63	3.53	13.50	3.39
	13.0	11.8	18.00	3.95	16.88	3.73	15.75	3.55	15.19	3.49	14.63	3.42	13.50	3.30
15.0	13.7	18.00	3.60	16.88	3.40	15.75	3.26	15.19	3.20	14.63	3.14	13.50	3.03	
18.0	15.8	18.00	3.83	16.88	3.50	15.75	3.19	15.19	3.09	14.63	3.04	13.50	2.94	
20.0	17.6	18.00	3.89	16.88	3.54	15.75	3.17	15.19	3.04	14.63	2.91	13.50	2.73	
23.0	20.2	18.00	4.06	16.88	3.63	15.75	3.27	15.19	3.09	14.63	2.92	13.50	2.64	
26.0	22.0	18.00	3.92	16.88	3.83	15.75	3.74	15.19	3.69	14.63	3.65	13.50	3.55	
30.0	24.1	18.00	3.14	16.88	2.85	15.75	2.59	15.19	2.46	14.63	2.35	13.50	2.32	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table2-8.11:12HP heating capacity

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
130%	-29.8	-30.0	19.53	7.57	19.42	7.86	19.33	8.16	19.28	8.32	19.24	8.48	19.16	8.82
	-25.0	-25.4	20.55	7.93	20.45	8.22	20.35	8.53	20.30	8.69	20.25	8.85	20.17	9.19
	-19.8	-20.0	22.84	8.36	22.72	8.66	22.61	8.97	22.55	9.13	22.50	9.30	22.41	9.65
	-18.8	-19.0	24.99	8.55	24.84	8.85	24.71	9.17	24.64	9.33	24.58	9.50	24.46	9.85
	-16.7	-17.0	26.28	8.95	26.12	9.25	25.97	9.57	25.89	9.74	25.82	9.91	25.68	10.26
	-13.7	-15.0	27.62	9.41	27.44	9.72	27.27	10.04	27.19	10.21	27.11	10.38	26.95	10.75
	-11.8	-13.0	29.00	9.79	28.81	10.11	28.62	10.44	28.53	10.61	28.44	10.79	28.27	11.15
	-9.8	-11.0	30.42	10.19	30.22	10.51	30.01	10.85	29.91	11.02	29.81	11.20	29.62	11.58
	-9.5	-10.0	31.15	10.34	30.93	10.67	30.72	11.00	30.62	11.18	30.51	11.36	30.31	11.73
	-8.5	-9.1	31.81	10.53	31.59	10.86	31.37	11.20	31.26	11.38	31.15	11.56	30.94	11.94
	-7.0	-7.6	32.93	10.83	32.70	11.17	32.46	11.51	32.35	11.69	32.23	11.88	32.01	12.26
	-5.0	-5.6	34.44	11.24	34.20	11.58	33.95	11.94	33.83	12.12	33.71	12.31	33.46	12.70
	-3.0	-3.7	35.87	11.49	35.61	11.83	35.35	12.19	35.22	12.38	35.09	12.57	34.85	12.97
	0.0	-0.7	38.18	11.87	37.89	12.23	37.61	12.59	37.47	12.78	37.32	12.98	37.05	13.38
	3.0	2.2	40.19	12.07	39.87	12.42	39.56	12.79	39.40	12.98	39.25	13.17	38.94	13.58
	5.0	4.1	40.57	11.59	40.24	11.92	39.91	12.26	39.74	12.44	39.58	12.63	39.25	13.00
	7.0	6.0	41.79	11.62	41.44	11.96	41.10	12.30	40.93	12.48	40.75	12.66	40.40	13.04
	9.0	7.9	43.32	11.85	42.96	12.19	42.59	12.54	42.41	12.72	42.22	12.90	41.79	12.91
	11.0	9.8	44.86	12.08	44.47	12.42	44.08	12.78	43.88	12.96	43.69	13.15	41.79	12.13
	13.0	11.8	46.50	12.32	46.09	12.67	45.69	13.03	45.48	13.22	45.27	13.03	41.79	11.36
15.0	13.7	48.07	12.56	47.64	12.91	47.22	13.28	47.01	13.09	45.27	12.25	41.79	10.65	
18.0	15.8	49.81	12.83	49.37	13.19	48.75	13.04	47.01	12.22	45.27	11.42	41.79	9.91	
20.0	17.6	51.32	13.07	50.86	13.44	48.75	12.30	47.01	11.50	45.27	10.75	41.79	9.36	
23.0	20.2	53.51	13.42	52.23	12.82	48.75	11.26	47.01	10.52	45.27	9.83	41.79	8.65	
26.0	22.0	55.03	13.65	52.23	12.06	48.75	10.59	47.01	9.90	45.27	9.29	41.79	8.19	
30.0	24.1	56.76	13.93	52.23	11.23	48.75	9.84	47.01	9.26	45.27	8.72	41.79	7.65	
120%	-29.8	-30.0	19.42	7.65	19.32	7.94	19.23	8.25	19.18	8.41	19.14	8.57	19.07	8.92
	-25.0	-25.4	20.44	8.03	20.34	8.33	20.24	8.64	20.19	8.80	20.15	8.97	20.08	9.32
	-19.8	-20.0	22.71	8.51	22.60	8.81	22.49	9.13	22.44	9.30	22.39	9.47	22.31	9.83
	-18.8	-19.0	24.81	8.71	24.67	9.01	24.54	9.33	24.47	9.50	24.41	9.67	24.30	10.03
	-16.7	-17.0	26.10	9.11	25.94	9.42	25.79	9.75	25.72	9.92	25.65	10.09	25.52	10.46
	-13.7	-15.0	27.43	9.58	27.25	9.90	27.09	10.23	27.01	10.41	26.93	10.58	26.78	10.96
	-11.8	-13.0	28.80	9.98	28.61	10.30	28.43	10.64	28.34	10.82	28.26	11.00	28.09	11.38
	-9.8	-11.0	30.21	10.39	30.01	10.72	29.81	11.07	29.71	11.25	29.62	11.43	29.44	11.82
	-9.5	-10.0	30.94	10.55	30.72	10.88	30.52	11.23	30.41	11.41	30.31	11.60	30.12	11.98
	-8.5	-9.1	31.59	10.74	31.37	11.08	31.16	11.43	31.05	11.61	30.95	11.80	30.75	12.19
	-7.0	-7.6	32.66	11.06	32.43	11.40	32.21	11.76	32.11	11.94	32.00	12.13	31.79	12.53
	-5.0	-5.6	34.12	11.48	33.88	11.83	33.64	12.19	33.52	12.39	33.40	12.58	33.18	12.99
	-3.0	-3.7	35.53	11.74	35.27	12.09	35.01	12.46	34.89	12.65	34.77	12.85	34.52	13.26
	0.0	-0.7	37.81	12.15	37.51	12.51	37.25	12.88	37.11	13.08	36.97	13.28	36.69	13.70
	3.0	2.2	39.78	12.36	39.46	12.72	39.16	13.10	39.00	13.29	38.85	13.49	38.57	13.62
	5.0	4.1	40.15	11.86	39.81	12.20	39.49	12.56	39.32	12.74	39.16	12.93	38.57	12.82
	7.0	6.0	41.35	11.91	41.00	12.25	40.66	12.60	40.48	12.78	40.31	12.97	38.57	12.05
	9.0	7.9	42.85	12.14	42.48	12.49	42.12	12.85	41.94	13.04	41.79	12.93	38.57	11.32
	11.0	9.8	44.36	12.39	43.98	12.74	43.58	13.11	43.39	12.94	41.79	12.15	38.57	10.62
	13.0	11.8	45.96	12.65	45.56	13.01	45.00	12.89	43.39	12.12	41.79	11.37	38.57	9.93
15.0	13.7	47.50	12.91	47.08	13.27	45.00	12.12	43.39	11.37	41.79	10.65	38.57	9.34	
18.0	15.8	49.21	13.20	48.21	12.78	45.00	11.30	43.39	10.60	41.79	9.92	38.57	8.77	
20.0	17.6	51.43	13.53	48.21	12.04	45.00	10.63	43.39	9.96	41.79	9.35	38.57	8.31	
23.0	20.2	51.43	12.42	48.21	11.00	45.00	9.72	43.39	9.17	41.79	8.66	38.57	7.67	
26.0	22.0	51.43	11.69	48.21	10.35	45.00	9.19	43.39	8.69	41.79	8.18	38.57	7.24	
30.0	24.1	51.43	10.87	48.21	9.64	45.00	8.62	43.39	8.12	41.79	7.66	38.57	6.74	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.11:12HP heating capacity(continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
110%	-29.8	-30.0	19.29	7.79	19.19	8.09	19.11	8.41	19.07	8.58	19.03	8.75	18.96	9.10
	-25.0	-25.4	20.30	8.19	20.20	8.49	20.11	8.82	20.07	8.98	20.03	9.16	19.96	9.52
	-19.8	-20.0	22.56	8.68	22.45	9.00	22.35	9.33	22.30	9.50	22.26	9.67	22.18	10.05
	-18.8	-19.0	24.64	8.89	24.51	9.20	24.38	9.53	24.32	9.71	24.27	9.89	24.16	10.26
	-16.7	-17.0	25.92	9.31	25.77	9.63	25.63	9.96	25.56	10.14	25.49	10.32	25.37	10.70
	-13.7	-15.0	27.24	9.79	27.08	10.12	26.92	10.46	26.84	10.64	26.77	10.83	26.63	11.22
	-11.8	-13.0	28.61	10.21	28.43	10.54	28.25	10.89	28.17	11.08	28.08	11.26	27.92	11.66
	-9.8	-11.0	29.97	10.63	29.77	10.97	29.59	11.33	29.50	11.52	29.41	11.71	29.24	12.11
	-9.5	-10.0	30.66	10.80	30.46	11.14	30.26	11.50	30.17	11.69	30.07	11.88	29.90	12.28
	-8.5	-9.1	31.28	11.00	31.08	11.34	30.87	11.71	30.77	11.90	30.68	12.09	30.49	12.50
	-7.0	-7.6	32.34	11.32	32.12	11.68	31.91	12.05	31.80	12.24	31.70	12.44	31.50	12.85
	-5.0	-5.6	33.78	11.76	33.54	12.13	33.31	12.51	33.19	12.70	33.08	12.91	32.86	13.33
	-3.0	-3.7	35.17	12.04	34.91	12.40	34.67	12.79	34.54	12.99	34.43	13.19	34.19	13.62
	0.0	-0.7	37.41	12.47	37.13	12.85	36.86	13.24	36.72	13.44	36.58	13.65	35.36	13.04
	3.0	2.2	39.34	12.71	39.04	13.08	38.73	13.47	38.58	13.67	38.30	13.46	35.36	11.90
	5.0	4.1	39.69	12.19	39.36	12.54	39.03	12.91	38.87	13.10	38.30	12.67	35.36	11.18
	7.0	6.0	40.86	12.25	40.52	12.60	40.18	12.96	39.78	12.67	38.30	11.92	35.36	10.50
	9.0	7.9	42.32	12.50	41.97	12.86	41.25	12.63	39.78	11.90	38.30	11.19	35.36	9.84
	11.0	9.8	43.81	12.77	44.20	13.33	41.25	11.86	39.78	11.17	38.30	10.51	35.36	9.25
	13.0	11.8	45.38	13.05	44.20	12.48	41.25	11.10	39.78	10.44	38.30	9.80	35.36	8.73
15.0	13.7	47.14	13.12	44.20	11.71	41.25	10.41	39.78	9.79	38.30	9.23	35.36	8.26	
18.0	15.8	47.14	12.23	44.20	10.91	41.25	9.68	39.78	9.17	38.30	8.67	35.36	7.75	
20.0	17.6	47.14	11.51	44.20	10.27	41.25	9.17	39.78	8.69	38.30	8.22	35.36	7.33	
23.0	20.2	47.14	10.54	44.20	9.40	41.25	8.47	39.78	8.02	38.30	7.58	35.36	6.74	
26.0	22.0	47.14	9.90	44.20	8.90	41.25	8.01	39.78	7.57	38.30	7.16	35.36	6.36	
30.0	24.1	47.14	9.25	44.20	8.34	41.25	7.47	39.78	7.06	38.30	6.66	35.36	6.01	
100%	-29.8	-30.0	19.20	7.98	19.11	8.29	19.03	8.62	18.99	8.79	18.96	8.97	18.90	9.34
	-25.0	-25.4	20.21	8.39	20.12	8.71	20.03	9.04	19.99	9.22	19.96	9.40	19.89	9.78
	-19.8	-20.0	22.46	8.90	22.35	9.23	22.26	9.57	22.21	9.75	22.17	9.93	22.10	10.32
	-18.8	-19.0	24.49	9.12	24.36	9.44	24.24	9.79	24.19	9.97	24.14	10.15	24.04	10.54
	-16.7	-17.0	25.76	9.55	25.61	9.88	25.48	10.23	25.42	10.42	25.36	10.60	25.24	11.00
	-13.7	-15.0	27.03	10.05	26.88	10.39	26.73	10.75	26.66	10.94	26.60	11.13	26.47	11.54
	-11.8	-13.0	28.34	10.48	28.17	10.83	28.00	11.20	27.93	11.39	27.85	11.58	27.71	12.00
	-9.8	-11.0	29.67	10.93	29.48	11.28	29.31	11.66	29.22	11.85	29.14	12.05	28.97	12.47
	-9.5	-10.0	30.35	11.10	30.16	11.46	29.97	11.83	29.88	12.03	29.79	12.23	29.62	12.65
	-8.5	-9.1	30.97	11.31	30.77	11.67	30.57	12.05	30.48	12.25	30.38	12.45	30.21	12.88
	-7.0	-7.6	32.01	11.65	31.79	12.02	31.59	12.41	31.49	12.61	31.39	12.82	31.19	13.25
	-5.0	-5.6	33.42	12.12	33.19	12.50	32.96	12.89	32.86	13.10	32.74	13.31	32.14	13.17
	-3.0	-3.7	34.78	12.41	34.54	12.79	34.29	13.19	34.17	13.40	34.06	13.62	32.14	12.42
	0.0	-0.7	36.98	12.88	36.71	13.27	36.44	13.68	36.16	13.46	34.82	12.74	32.14	11.29
	3.0	2.2	38.87	13.13	38.56	13.52	37.50	13.00	36.16	12.29	34.82	11.60	32.14	10.27
	5.0	4.1	39.18	12.60	38.86	12.96	37.50	12.24	36.16	11.56	34.82	10.90	32.14	9.64
	7.0	6.0	40.33	12.66	40.18	12.83	37.50	11.50	36.16	10.86	34.82	10.24	32.14	9.08
	9.0	7.9	41.76	12.94	40.18	12.07	37.50	10.79	36.16	10.19	34.82	9.59	32.14	8.54
	11.0	9.8	42.86	12.61	40.18	11.33	37.50	10.12	36.16	9.55	34.82	9.05	32.14	8.13
	13.0	11.8	42.86	11.80	40.18	10.60	37.50	9.45	36.16	8.99	34.82	8.54	32.14	7.66
15.0	13.7	42.86	11.07	40.18	9.93	37.50	8.94	36.16	8.50	34.82	8.07	32.14	7.23	
18.0	15.8	42.86	10.31	40.18	9.26	37.50	8.39	36.16	7.97	34.82	7.57	32.14	6.78	
20.0	17.6	42.86	9.68	40.18	8.78	37.50	7.95	36.16	7.54	34.82	7.15	32.14	6.41	
23.0	20.2	42.86	8.94	40.18	8.11	37.50	7.32	36.16	6.95	34.82	6.57	32.14	5.99	
26.0	22.0	42.86	8.45	40.18	7.65	37.50	6.90	36.16	6.54	34.82	6.23	32.14	5.71	
30.0	24.1	42.86	7.90	40.18	7.15	37.50	6.42	36.16	6.14	34.82	5.89	32.14	5.40	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.11:12HP heating capacity(continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
90%	-29.8	-30.0	18.78	2.20	18.69	2.29	18.61	2.40	18.58	2.45	18.55	2.50	18.49	2.62
	-25.0	-25.4	19.77	2.14	19.68	2.23	19.59	2.31	19.56	2.36	19.52	2.40	19.46	2.49
	-19.8	-20.0	21.97	9.18	21.87	9.52	21.77	9.88	21.73	10.07	21.69	10.27	21.62	10.68
	-18.8	-19.0	24.31	9.40	24.20	9.74	24.10	10.11	24.05	10.30	24.00	10.49	23.93	10.91
	-16.7	-17.0	25.52	9.85	25.39	10.20	25.27	10.57	25.22	10.76	25.17	10.96	25.07	11.39
	-13.7	-15.0	26.77	10.38	26.62	10.74	26.49	11.11	26.42	11.31	26.36	11.52	26.25	11.95
	-11.8	-13.0	28.05	10.83	27.89	11.20	27.74	11.58	27.66	11.78	27.59	11.99	27.46	12.43
	-9.8	-11.0	29.36	11.30	29.18	11.67	29.01	12.07	28.93	12.27	28.85	12.49	28.93	12.90
	-9.5	-10.0	30.03	11.48	29.84	11.86	29.66	12.26	29.58	12.46	29.49	12.68	28.93	12.56
	-8.5	-9.1	30.63	11.71	30.44	12.09	30.25	12.49	30.16	12.70	30.08	12.92	28.93	12.31
	-7.0	-7.6	31.65	12.07	31.44	12.46	31.25	12.87	31.15	13.08	31.34	13.28	28.93	11.89
	-5.0	-5.6	33.03	12.57	32.81	12.96	32.60	13.39	32.54	13.38	31.34	12.68	28.93	11.33
	-3.0	-3.7	34.37	12.88	34.13	13.29	33.75	13.30	32.54	12.62	31.34	11.95	28.93	10.67
	0.0	-0.7	36.51	13.39	36.16	13.42	33.75	12.11	32.54	11.48	31.34	10.86	28.93	9.66
	3.0	2.2	38.57	13.53	36.16	12.25	33.75	11.03	32.54	10.45	31.34	9.86	28.93	8.83
	5.0	4.1	38.57	12.72	36.16	11.51	33.75	10.36	32.54	9.81	31.34	9.26	28.93	8.36
	7.0	6.0	38.57	11.97	36.16	10.82	33.75	9.72	32.54	9.20	31.34	8.76	28.93	7.92
	9.0	7.9	38.57	11.24	36.16	10.15	33.75	9.14	32.54	8.65	31.34	8.17	28.93	7.23
	11.0	9.8	38.57	10.55	36.16	9.51	33.75	8.65	32.54	8.23	31.34	7.78	28.93	6.85
	13.0	11.8	38.57	9.85	36.16	8.95	33.75	8.15	32.54	7.76	31.34	7.33	28.93	6.48
15.0	13.7	38.57	9.24	36.16	8.45	33.75	7.70	32.54	7.33	31.34	6.97	28.93	6.19	
18.0	15.8	38.57	8.69	36.16	7.94	33.75	7.22	32.54	6.88	31.34	6.53	28.93	6.00	
20.0	17.6	38.57	8.22	36.16	7.51	33.75	6.82	32.54	6.49	31.34	6.22	28.93	5.73	
23.0	20.2	38.57	7.59	36.16	6.90	33.75	6.29	32.54	6.04	31.34	5.81	28.93	5.36	
26.0	22.0	38.57	7.15	36.16	6.50	33.75	5.99	32.54	5.76	31.34	5.53	28.93	5.10	
30.0	24.1	38.57	6.66	36.16	6.11	33.75	5.66	32.54	5.43	31.34	5.23	28.93	4.81	
80%	-29.8	-30.0	18.38	8.73	18.29	9.07	18.21	2.40	18.17	10.02	18.14	10.75	18.09	12.16
	-25.0	-25.4	19.34	9.13	19.25	9.48	19.17	9.85	19.13	10.34	19.10	10.92	19.04	11.99
	-19.8	-20.0	21.49	9.54	21.39	9.90	21.30	10.28	21.26	10.49	21.22	10.70	21.15	11.14
	-18.8	-19.0	24.09	9.77	23.98	10.13	23.89	10.52	23.85	10.73	23.82	10.94	23.76	11.38
	-16.7	-17.0	25.27	10.25	25.16	10.62	25.05	11.01	25.00	11.22	24.96	11.44	24.88	11.89
	-13.7	-15.0	26.49	10.80	26.36	11.19	26.24	11.59	26.18	11.81	26.13	12.03	25.71	12.02
	-11.8	-13.0	27.75	11.29	27.60	11.68	27.46	12.09	27.39	12.31	27.86	12.76	25.71	11.52
	-9.8	-11.0	29.03	11.79	28.86	12.19	28.71	12.61	28.93	12.86	27.86	12.23	25.71	11.01
	-9.5	-10.0	29.68	11.99	29.51	12.39	29.34	12.82	28.93	12.51	27.86	11.90	25.71	10.70
	-8.5	-9.1	30.27	12.23	30.09	12.64	30.00	12.89	28.93	12.27	27.86	11.66	25.71	10.48
	-7.0	-7.6	31.26	12.62	31.07	13.04	30.00	12.46	28.93	11.86	27.86	11.26	25.71	10.10
	-5.0	-5.6	32.60	13.16	32.14	13.08	30.00	11.88	28.93	11.28	27.86	10.72	25.71	9.59
	-3.0	-3.7	34.29	13.54	32.14	12.33	30.00	11.19	28.93	10.63	27.86	10.08	25.71	9.02
	0.0	-0.7	34.29	12.33	32.14	11.22	30.00	10.16	28.93	9.63	27.86	9.13	25.71	8.28
	3.0	2.2	34.29	11.24	32.14	10.21	30.00	9.22	28.93	8.80	27.86	8.40	25.71	7.63
	5.0	4.1	34.29	10.55	32.14	9.58	30.00	8.72	28.93	8.33	27.86	7.95	25.71	7.22
	7.0	6.0	34.29	9.90	32.14	9.01	30.00	8.26	28.93	7.89	27.86	7.46	25.71	6.57
	9.0	7.9	34.29	9.28	32.14	8.47	30.00	7.63	28.93	7.25	27.86	6.82	25.71	6.03
	11.0	9.8	34.29	8.77	32.14	8.06	30.00	7.25	28.93	6.89	27.86	6.44	25.71	5.72
	13.0	11.8	34.29	8.26	32.14	7.59	30.00	6.82	28.93	6.44	27.86	6.10	25.71	5.46
15.0	13.7	34.29	7.81	32.14	7.16	30.00	6.48	28.93	6.14	27.86	5.78	25.71	5.18	
18.0	15.8	34.29	7.33	32.14	6.71	30.00	6.19	28.93	5.97	27.86	5.75	25.71	5.25	
20.0	17.6	34.29	6.91	32.14	6.35	30.00	5.91	28.93	5.70	27.86	5.50	25.71	5.10	
23.0	20.2	34.29	6.34	32.14	5.92	30.00	5.52	28.93	5.32	27.86	5.13	25.71	4.77	
26.0	22.0	34.29	6.04	32.14	5.64	30.00	5.26	28.93	5.08	27.86	4.89	25.71	4.54	
30.0	24.1	34.29	5.70	32.14	5.32	30.00	4.96	28.93	4.79	27.86	4.61	25.71	4.12	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.11:12HP heating capacity(continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
70%	-29.8	-30.0	17.98	9.88	17.89	11.02	17.81	12.00	17.78	12.37	17.75	12.33	18.46	11.55
	-25.0	-25.4	18.92	10.16	18.83	11.09	18.75	11.86	18.72	12.13	18.68	12.04	19.44	11.24
	-19.8	-20.0	21.02	10.03	20.92	10.42	20.84	10.84	20.79	11.07	20.76	11.07	21.60	10.51
	-18.8	-19.0	23.86	10.28	23.77	10.68	23.70	11.10	23.67	11.32	23.65	11.56	22.50	10.91
	-16.7	-17.0	25.02	10.79	24.91	11.20	24.83	11.63	25.31	12.11	24.38	11.58	22.50	10.50
	-13.7	-15.0	26.20	11.39	26.09	11.81	26.25	12.28	25.31	11.73	24.38	11.19	22.50	10.14
	-11.8	-13.0	27.42	11.92	27.29	12.35	26.25	11.76	25.31	11.23	24.38	10.71	22.50	9.68
	-9.8	-11.0	28.67	12.47	28.13	12.31	26.25	11.26	25.31	10.74	24.38	10.22	22.50	9.22
	-9.5	-10.0	29.30	12.69	28.13	11.98	26.25	10.94	25.31	10.43	24.38	9.94	22.50	8.95
	-8.5	-9.1	30.00	12.79	28.13	11.75	26.25	10.71	25.31	10.22	24.38	9.72	22.50	8.76
	-7.0	-7.6	30.00	12.37	28.13	11.34	26.25	10.34	25.31	9.85	24.38	9.36	22.50	8.48
	-5.0	-5.6	30.00	11.79	28.13	10.79	26.25	9.82	25.31	9.35	24.38	8.90	22.50	8.12
	-3.0	-3.7	30.00	11.11	28.13	10.16	26.25	9.22	25.31	8.82	24.38	8.44	22.50	7.69
	0.0	-0.7	30.00	10.08	28.13	9.19	26.25	8.44	25.31	8.10	24.38	7.74	22.50	7.07
	3.0	2.2	30.00	9.14	28.13	8.44	26.25	7.78	25.31	7.45	24.38	7.13	22.50	6.51
	5.0	4.1	30.00	8.65	28.13	7.99	26.25	7.36	25.31	7.05	24.38	6.74	22.50	6.21
	7.0	6.0	30.00	8.18	28.13	7.49	26.25	6.75	25.31	6.40	24.38	6.07	22.50	5.57
	9.0	7.9	30.00	7.57	28.13	6.87	26.25	6.19	25.31	5.87	24.38	5.56	22.50	5.07
	11.0	9.8	30.00	7.19	28.13	6.51	26.25	5.84	25.31	5.58	24.38	5.33	22.50	4.89
	13.0	11.8	30.00	6.77	28.13	6.10	26.25	5.53	25.31	5.29	24.38	5.04	22.50	4.63
15.0	13.7	30.00	6.43	28.13	5.85	26.25	5.29	25.31	5.05	24.38	4.83	22.50	4.32	
18.0	15.8	30.00	6.13	28.13	5.76	26.25	5.40	25.31	5.14	24.38	4.81	22.50	4.29	
20.0	17.6	30.00	5.84	28.13	5.50	26.25	5.16	25.31	4.99	24.38	4.74	22.50	4.18	
23.0	20.2	30.00	5.46	28.13	5.14	26.25	4.82	25.31	4.66	24.38	4.52	22.50	4.13	
26.0	22.0	30.00	5.20	28.13	4.90	26.25	4.59	25.31	4.44	24.38	4.30	22.50	4.02	
30.0	24.1	30.00	4.91	28.13	4.61	26.25	4.24	25.31	4.01	24.38	3.80	22.50	3.36	
60%	-29.8	-30.0	17.58	11.75	17.50	12.25	17.43	11.60	17.39	11.26	17.36	10.75	16.49	9.75
	-25.0	-25.4	18.51	11.61	18.42	11.94	18.34	11.27	18.31	10.93	18.28	10.43	17.36	9.48
	-19.8	-20.0	20.57	10.75	20.47	11.19	20.38	10.69	20.34	10.58	20.31	10.12	19.29	9.22
	-18.8	-19.0	23.63	11.02	23.58	11.47	22.50	10.84	21.70	10.39	20.89	9.93	19.29	9.04
	-16.7	-17.0	24.76	11.59	24.11	11.33	22.50	10.43	21.70	9.98	20.89	9.53	19.29	8.67
	-13.7	-15.0	25.71	11.86	24.11	10.95	22.50	10.06	21.70	9.62	20.89	9.19	19.29	8.34
	-11.8	-13.0	25.71	11.36	24.11	10.47	22.50	9.61	21.70	9.18	20.89	8.76	19.29	8.01
	-9.8	-11.0	25.71	10.85	24.11	9.99	22.50	9.16	21.70	8.74	20.89	8.37	19.29	7.69
	-9.5	-10.0	25.71	10.55	24.11	9.71	22.50	8.89	21.70	8.50	20.89	8.17	19.29	7.50
	-8.5	-9.1	25.71	10.34	24.11	9.50	22.50	8.69	21.70	8.35	20.89	8.01	19.29	7.36
	-7.0	-7.6	25.71	9.96	24.11	9.14	22.50	8.42	21.70	8.09	20.89	7.76	19.29	7.12
	-5.0	-5.6	25.71	9.46	24.11	8.71	22.50	8.07	21.70	7.75	20.89	7.43	19.29	6.81
	-3.0	-3.7	25.71	8.90	24.11	8.26	22.50	7.64	21.70	7.34	20.89	7.04	19.29	6.45
	0.0	-0.7	25.71	8.17	24.11	7.58	22.50	7.02	21.70	6.73	20.89	6.46	19.29	6.00
	3.0	2.2	25.71	7.51	24.11	6.98	22.50	6.46	21.70	6.23	20.89	6.02	19.29	5.63
	5.0	4.1	25.71	7.11	24.11	6.61	22.50	6.16	21.70	5.96	20.89	5.77	19.29	5.39
	7.0	6.0	25.71	6.52	24.11	5.92	22.50	5.52	21.70	5.33	20.89	5.14	19.29	4.77
	9.0	7.9	25.71	5.96	24.11	5.47	22.50	5.07	21.70	4.85	20.89	4.66	19.29	4.27
	11.0	9.8	25.71	5.65	24.11	5.21	22.50	4.84	21.70	4.66	20.89	4.49	19.29	4.15
	13.0	11.8	25.71	5.35	24.11	4.93	22.50	4.58	21.70	4.42	20.89	4.26	19.29	3.94
15.0	13.7	25.71	5.12	24.11	4.67	22.50	4.31	21.70	4.10	20.89	3.94	19.29	3.63	
18.0	15.8	25.71	5.14	24.11	4.71	22.50	4.30	21.70	4.05	20.89	3.87	19.29	3.48	
20.0	17.6	25.71	5.00	24.11	4.65	22.50	4.14	21.70	3.95	20.89	3.72	19.29	3.38	
23.0	20.2	25.71	4.67	24.11	4.42	22.50	4.09	21.70	3.88	20.89	3.69	19.29	3.20	
26.0	22.0	25.71	4.45	24.11	4.21	22.50	3.98	21.70	3.86	20.89	3.75	19.29	3.60	
30.0	24.1	25.71	4.12	24.11	3.64	22.50	3.31	21.70	3.09	20.89	2.95	19.29	2.71	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.11:12HP heating capacity(continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50%	-29.8	-30.0	18.32	10.96	17.18	10.14	16.03	9.35	15.46	8.96	14.89	8.61	13.74	7.96
	-25.0	-25.4	19.29	10.64	18.08	9.85	16.88	9.09	16.27	8.72	15.67	8.37	14.46	7.75
	-19.8	-20.0	21.43	10.31	20.09	9.57	18.75	8.85	18.08	8.49	17.41	8.13	16.07	7.50
	-18.8	-19.0	21.43	10.11	20.09	9.39	18.75	8.67	18.08	8.31	17.41	7.96	16.07	7.38
	-16.7	-17.0	21.43	9.72	20.09	9.01	18.75	8.30	18.08	7.96	17.41	7.69	16.07	7.14
	-13.7	-15.0	21.43	9.36	20.09	8.67	18.75	8.02	18.08	7.74	17.41	7.46	16.07	6.91
	-11.8	-13.0	21.43	8.94	20.09	8.26	18.75	7.71	18.08	7.43	17.41	7.17	16.07	6.62
	-9.8	-11.0	21.43	8.51	20.09	7.94	18.75	7.40	18.08	7.13	17.41	6.86	16.07	6.33
	-9.5	-10.0	21.43	8.29	20.09	7.75	18.75	7.21	18.08	6.95	17.41	6.68	16.07	6.16
	-8.5	-9.1	21.43	8.15	20.09	7.60	18.75	7.08	18.08	6.81	17.41	6.55	16.07	6.04
	-7.0	-7.6	21.43	7.89	20.09	7.36	18.75	6.84	18.08	6.59	17.41	6.34	16.07	5.89
	-5.0	-5.6	21.43	7.55	20.09	7.04	18.75	6.55	18.08	6.30	17.41	6.09	16.07	5.71
	-3.0	-3.7	21.43	7.15	20.09	6.67	18.75	6.21	18.08	6.02	17.41	5.84	16.07	5.48
	0.0	-0.7	21.43	6.56	20.09	6.16	18.75	5.81	18.08	5.64	17.41	5.47	16.07	5.14
	3.0	2.2	21.43	6.08	20.09	5.76	18.75	5.44	18.08	5.28	17.41	5.13	16.07	4.82
	5.0	4.1	21.43	5.82	20.09	5.51	18.75	5.12	18.08	4.88	17.41	4.66	16.07	4.21
	7.0	6.0	21.43	5.19	20.09	4.89	18.75	4.60	18.08	4.46	17.41	4.31	16.07	4.03
	9.0	7.9	21.43	4.77	20.09	4.44	18.75	4.13	18.08	3.96	17.41	3.82	16.07	3.51
	11.0	9.8	21.43	4.54	20.09	4.26	18.75	3.99	18.08	3.87	17.41	3.73	16.07	3.48
	13.0	11.8	21.43	4.30	20.09	4.04	18.75	3.79	18.08	3.66	17.41	3.55	16.07	3.30
15.0	13.7	21.43	3.99	20.09	3.72	18.75	3.49	18.08	3.36	17.41	3.25	16.07	3.02	
18.0	15.8	21.43	3.94	20.09	3.63	18.75	3.32	18.08	3.18	17.41	3.05	16.07	2.89	
20.0	17.6	21.43	3.79	20.09	3.49	18.75	3.17	18.08	3.03	17.41	2.89	16.07	2.71	
23.0	20.2	21.43	3.79	20.09	3.37	18.75	3.11	18.08	2.95	17.41	2.85	16.07	2.62	
26.0	22.0	21.43	3.76	20.09	3.62	18.75	3.51	18.08	3.46	17.41	3.41	16.07	3.02	
30.0	24.1	21.43	2.99	20.09	2.79	18.75	2.57	18.08	2.48	17.41	2.41	16.07	2.27	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table2-8.12:14HP heating capacity

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
130%	-29.8	-30.0	20.61	8.58	20.49	8.91	20.39	9.24	20.33	9.42	20.28	9.60	20.19	9.98
	-25.0	-25.4	21.69	8.91	21.57	9.23	21.46	9.57	21.40	9.75	21.35	9.93	21.25	10.32
	-19.8	-20.0	24.10	9.27	23.97	9.60	23.84	9.94	23.78	10.12	23.72	10.31	23.62	10.69
	-18.8	-19.0	25.86	9.48	25.71	9.81	25.56	10.16	25.48	10.34	25.41	10.52	25.28	10.91
	-16.7	-17.0	27.20	9.91	27.03	10.25	26.86	10.60	26.78	10.79	26.70	10.97	26.55	11.36
	-13.7	-15.0	28.58	10.41	28.39	10.76	28.21	11.12	28.12	11.30	28.04	11.49	27.87	11.89
	-11.8	-13.0	30.01	10.84	29.81	11.19	29.61	11.55	29.51	11.74	29.42	11.93	29.23	12.33
	-9.8	-11.0	31.49	11.27	31.27	11.62	31.05	12.00	30.94	12.19	30.84	12.38	30.63	12.79
	-9.5	-10.0	32.24	11.43	32.01	11.79	31.79	12.16	31.67	12.35	31.56	12.55	31.35	12.96
	-8.5	-9.1	32.93	11.63	32.69	11.99	32.46	12.37	32.34	12.56	32.23	12.76	32.01	13.18
	-7.0	-7.6	34.09	11.96	33.84	12.32	33.59	12.71	33.47	12.90	33.34	13.11	33.11	13.52
	-5.0	-5.6	35.66	12.39	35.40	12.77	35.14	13.16	35.01	13.36	34.88	13.57	34.61	14.00
	-3.0	-3.7	37.20	12.66	36.92	13.04	36.64	13.43	36.50	13.63	36.36	13.84	36.08	14.27
	0.0	-0.7	39.69	13.07	39.39	13.45	39.07	13.85	38.92	14.06	38.76	14.27	38.46	14.71
	3.0	2.2	41.86	13.27	41.53	13.66	41.21	14.06	41.04	14.27	40.88	14.48	40.55	14.92
	5.0	4.1	42.32	12.76	41.98	13.13	41.63	13.52	41.46	13.71	41.29	13.91	40.95	14.32
	7.0	6.0	43.61	12.80	43.25	13.17	42.89	13.55	42.71	13.75	42.53	13.95	42.18	14.36
	9.0	7.9	45.23	13.03	44.86	13.41	44.48	13.79	44.29	13.99	44.10	14.19	43.71	14.61
	11.0	9.8	46.85	13.27	46.45	13.65	46.05	14.04	45.85	14.24	45.65	14.45	45.25	14.87
	13.0	11.8	48.60	13.51	48.18	13.90	47.75	14.30	47.55	14.51	47.34	14.72	46.90	15.15
15.0	13.7	50.24	13.76	49.81	14.15	49.39	14.56	49.17	14.77	48.94	14.98	48.50	15.42	
18.0	15.8	52.10	14.03	51.66	14.43	51.20	14.85	50.95	15.06	50.72	15.28	50.14	15.19	
20.0	17.6	53.72	14.27	53.25	14.68	52.77	15.10	52.52	15.32	52.28	15.54	50.14	14.31	
23.0	20.2	56.04	14.64	55.53	15.06	55.02	15.49	54.22	15.60	54.32	15.28	50.14	13.11	
26.0	22.0	57.69	14.90	57.25	15.32	56.82	15.79	56.41	15.49	54.32	14.41	50.14	12.35	
30.0	24.1	59.78	15.22	59.13	15.62	58.74	16.11	56.41	14.45	54.32	13.42	50.14	11.48	
120%	-29.8	-30.0	20.44	8.70	20.33	9.03	20.23	9.38	20.18	9.56	20.13	9.74	20.04	10.13
	-25.0	-25.4	21.52	9.04	21.40	9.37	21.29	9.72	21.24	9.90	21.19	10.08	21.09	10.47
	-19.8	-20.0	23.91	9.41	23.78	9.74	23.65	10.09	23.60	10.28	23.54	10.46	23.44	10.86
	-18.8	-19.0	25.66	9.62	25.51	9.96	25.36	10.32	25.29	10.50	25.22	10.69	25.10	11.08
	-16.7	-17.0	26.99	10.07	26.82	10.41	26.66	10.77	26.58	10.95	26.50	11.14	26.36	11.54
	-13.7	-15.0	28.37	10.58	28.18	10.93	28.00	11.30	27.92	11.49	27.83	11.68	27.67	12.09
	-11.8	-13.0	29.79	11.01	29.59	11.37	29.39	11.74	29.30	11.93	29.20	12.13	29.02	12.54
	-9.8	-11.0	31.26	11.46	31.04	11.82	30.83	12.20	30.72	12.40	30.62	12.60	30.42	13.01
	-9.5	-10.0	32.01	11.63	31.78	11.99	31.56	12.37	31.45	12.57	31.34	12.77	31.13	13.19
	-8.5	-9.1	32.68	11.83	32.45	12.20	32.22	12.59	32.11	12.79	32.00	12.99	31.78	13.41
	-7.0	-7.6	33.84	12.17	33.60	12.55	33.35	12.94	33.23	13.14	33.11	13.34	32.88	13.77
	-5.0	-5.6	35.41	12.63	35.14	13.01	34.89	13.41	34.75	13.61	34.63	13.83	34.38	14.27
	-3.0	-3.7	36.94	12.90	36.66	13.29	36.38	13.69	36.25	13.90	36.11	14.11	35.84	14.55
	0.0	-0.7	39.36	13.33	39.06	13.72	38.76	14.13	38.62	14.35	38.47	14.56	38.19	15.01
	3.0	2.2	41.45	13.55	41.13	13.94	40.80	14.35	40.64	14.57	40.48	14.78	40.16	15.23
	5.0	4.1	41.91	13.03	41.55	13.40	41.21	13.79	41.04	13.99	40.87	14.20	40.52	14.62
	7.0	6.0	43.17	13.07	42.81	13.45	42.45	13.84	42.28	14.04	42.10	14.24	41.74	14.66
	9.0	7.9	44.77	13.32	44.39	13.70	44.01	14.09	43.82	14.30	43.63	14.50	43.25	14.93
	11.0	9.8	46.36	13.57	45.96	13.95	45.56	14.36	45.36	14.56	45.16	14.77	44.76	15.21
	13.0	11.8	48.08	13.83	47.66	14.23	47.24	14.64	47.03	14.85	46.82	15.06	46.29	15.00
15.0	13.7	49.71	14.09	49.28	14.49	48.84	14.91	48.62	15.12	48.40	15.34	46.29	14.09	
18.0	15.8	51.54	14.39	51.08	14.80	50.60	15.22	50.38	15.44	50.14	15.20	46.29	13.15	
20.0	17.6	53.11	14.65	52.62	15.06	52.15	15.49	52.07	15.35	50.14	14.33	46.29	12.38	
23.0	20.2	55.40	15.03	54.90	15.46	54.00	15.09	52.07	14.10	50.14	13.12	46.29	11.33	
26.0	22.0	57.10	15.31	56.68	15.77	54.00	14.22	52.07	13.28	50.14	12.36	46.29	10.66	
30.0	24.1	58.96	15.62	58.59	16.11	54.00	13.26	52.07	12.36	50.14	11.49	46.29	10.00	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...



Table2-8.12:14HP heating capacity(continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
110%	-29.8	-30.0	19.89	8.66	19.97	9.00	19.87	9.35	20.03	9.73	19.78	9.72	19.90	10.31
	-25.0	-25.4	20.94	9.08	21.02	9.42	20.91	9.77	21.08	10.07	20.82	10.14	20.95	10.66
	-19.8	-20.0	23.26	9.57	23.35	9.92	23.24	10.28	23.43	10.46	23.13	10.66	23.28	11.06
	-18.8	-19.0	25.47	9.80	25.32	10.14	25.18	10.50	25.11	10.69	25.05	10.89	24.93	11.29
	-16.7	-17.0	26.79	10.25	26.63	10.60	26.47	10.97	26.39	11.16	26.32	11.36	26.18	11.76
	-13.7	-15.0	28.16	10.78	27.98	11.14	27.81	11.51	27.72	11.71	27.64	11.91	27.48	12.32
	-11.8	-13.0	29.57	11.23	29.38	11.59	29.19	11.97	29.10	12.17	29.00	12.37	28.83	12.80
	-9.8	-11.0	31.03	11.69	30.82	12.06	30.61	12.45	30.51	12.65	30.41	12.85	30.22	13.29
	-9.5	-10.0	31.78	11.86	31.56	12.24	31.34	12.63	31.23	12.83	31.13	13.04	30.92	13.47
	-8.5	-9.1	32.45	12.08	32.23	12.46	32.00	12.85	31.89	13.05	31.78	13.26	31.57	13.70
	-7.0	-7.6	33.60	12.43	33.35	12.81	33.12	13.21	33.01	13.42	32.89	13.63	32.66	14.08
	-5.0	-5.6	35.13	12.90	34.89	13.30	34.64	13.71	34.52	13.92	34.39	14.14	34.15	14.59
	-3.0	-3.7	36.60	13.19	36.33	13.58	36.06	14.00	35.93	14.21	35.80	14.43	35.55	14.89
	0.0	-0.7	38.96	13.64	38.67	14.04	38.37	14.46	38.23	14.68	38.09	14.91	37.81	15.37
	3.0	2.2	41.02	13.88	40.70	14.28	40.37	14.70	40.21	14.92	40.06	15.15	39.74	15.61
	5.0	4.1	41.45	13.34	41.10	13.73	40.76	14.13	40.59	14.33	40.42	14.54	40.09	14.98
	7.0	6.0	42.70	13.40	42.34	13.78	41.99	14.18	41.81	14.39	41.63	14.59	41.28	15.03
	9.0	7.9	44.26	13.66	43.89	14.05	43.52	14.45	43.33	14.66	43.14	14.88	42.43	14.68
	11.0	9.8	45.84	13.93	45.44	14.32	45.05	14.73	44.85	14.95	44.64	15.16	42.43	13.81
	13.0	11.8	47.51	14.21	47.10	14.62	46.68	15.04	46.47	15.25	45.96	14.81	42.43	12.91
15.0	13.7	49.10	14.49	48.66	14.91	48.23	15.33	47.73	14.89	45.96	13.93	42.43	12.11	
18.0	15.8	50.90	14.81	50.44	15.23	49.50	14.83	47.73	13.90	45.96	12.99	42.43	11.27	
20.0	17.6	52.42	15.09	53.04	15.85	49.50	13.98	47.73	13.07	45.96	12.22	42.43	10.61	
23.0	20.2	54.11	15.39	53.04	14.56	49.50	12.80	47.73	11.98	45.96	11.18	42.43	9.82	
26.0	22.0	55.77	15.69	53.04	13.71	49.50	12.02	47.73	11.24	45.96	10.54	42.43	9.29	
30.0	24.1	56.57	14.48	53.04	12.77	49.50	11.19	47.73	10.50	45.96	9.88	42.43	8.69	
100%	-29.8	-30.0	19.93	8.85	19.83	9.19	19.74	9.55	19.69	9.73	19.51	9.85	19.44	10.25
	-25.0	-25.4	20.98	9.27	20.87	9.61	20.77	9.98	20.73	10.17	20.54	10.31	20.46	10.72
	-19.8	-20.0	23.31	9.78	23.19	10.13	23.08	10.50	23.03	10.69	22.82	10.89	22.74	11.31
	-18.8	-19.0	25.29	10.01	25.15	10.36	25.01	10.74	24.95	10.93	24.89	11.13	24.78	11.55
	-16.7	-17.0	26.60	10.48	26.44	10.84	26.29	11.22	26.22	11.41	26.15	11.62	26.02	12.04
	-13.7	-15.0	27.96	11.03	27.79	11.39	27.62	11.78	27.54	11.98	27.46	12.19	27.32	12.62
	-11.8	-13.0	29.37	11.49	29.18	11.87	28.99	12.26	28.91	12.46	28.82	12.67	28.65	13.11
	-9.8	-11.0	30.81	11.97	30.61	12.35	30.41	12.75	30.31	12.96	30.22	13.18	30.03	13.62
	-9.5	-10.0	31.54	12.15	31.33	12.54	31.13	12.94	31.02	13.15	30.92	13.37	30.73	13.82
	-8.5	-9.1	32.19	12.38	31.97	12.77	31.76	13.17	31.66	13.39	31.56	13.61	31.36	14.06
	-7.0	-7.6	33.29	12.74	33.06	13.14	32.83	13.55	32.72	13.77	32.62	13.99	32.41	14.45
	-5.0	-5.6	34.77	13.23	34.53	13.64	34.29	14.06	34.17	14.28	34.05	14.51	33.82	14.99
	-3.0	-3.7	36.21	13.54	35.95	13.95	35.69	14.38	35.56	14.60	35.44	14.83	35.20	15.31
	0.0	-0.7	38.53	14.02	38.24	14.44	37.97	14.87	37.82	15.10	37.68	15.33	37.40	15.82
	3.0	2.2	40.55	14.28	40.24	14.70	39.92	15.13	39.76	15.36	39.61	15.59	38.57	15.09
	5.0	4.1	40.96	13.73	40.62	14.12	43.28	14.54	40.11	14.75	39.95	14.97	38.57	14.21
	7.0	6.0	42.19	13.79	41.84	14.19	45.00	14.60	41.30	14.81	41.79	15.21	38.57	13.36
	9.0	7.9	43.70	14.08	43.33	14.48	45.00	14.55	43.39	15.23	41.79	14.30	38.57	12.55
	11.0	9.8	45.24	14.37	44.86	14.78	45.00	14.38	43.39	14.31	41.79	13.43	38.57	11.77
	13.0	11.8	46.89	14.68	46.47	15.09	45.00	13.98	43.39	13.41	41.79	12.58	38.57	11.00
15.0	13.7	48.44	14.98	48.21	15.11	45.00	13.39	43.39	12.58	41.79	11.78	38.57	10.35	
18.0	15.8	50.19	15.33	48.21	14.10	45.00	12.48	43.39	11.70	41.79	10.97	38.57	9.71	
20.0	17.6	51.43	14.94	48.21	13.28	45.00	11.74	43.39	11.00	41.79	10.36	38.57	9.20	
23.0	20.2	51.43	13.68	48.21	12.15	45.00	10.72	43.39	10.14	41.79	9.57	38.57	8.49	
26.0	22.0	51.43	12.88	48.21	11.41	45.00	10.16	43.39	9.60	41.79	9.05	38.57	8.02	
30.0	24.1	51.43	11.99	48.21	10.63	45.00	9.51	43.39	8.98	41.79	8.45	38.57	7.47	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.12:14HP heating capacity(continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
90%	-29.8	-30.0	19.50	9.17	19.40	9.52	19.31	9.89	19.26	10.08	19.09	10.28	19.02	10.70
	-25.0	-25.4	20.52	9.59	20.42	9.94	20.32	10.32	20.28	10.52	20.09	10.72	20.02	11.15
	-19.8	-20.0	22.80	10.04	22.69	10.40	22.58	10.79	22.53	10.99	22.32	11.20	22.24	11.63
	-18.8	-19.0	25.12	10.28	24.99	10.64	24.86	11.03	24.80	11.23	24.75	11.44	24.65	11.88
	-16.7	-17.0	26.43	10.77	26.28	11.14	26.13	11.53	26.07	11.74	26.00	11.95	25.88	12.40
	-13.7	-15.0	27.78	11.34	27.61	11.72	27.45	12.12	27.38	12.33	27.30	12.55	27.17	13.00
	-11.8	-13.0	29.13	11.82	28.95	12.21	28.78	12.62	28.70	12.84	28.62	13.06	28.47	13.52
	-9.8	-11.0	30.51	12.32	30.32	12.72	30.13	13.14	30.04	13.35	29.95	13.58	29.78	14.05
	-9.5	-10.0	31.21	12.51	31.01	12.91	30.81	13.33	30.72	13.55	30.63	13.78	30.45	14.25
	-8.5	-9.1	31.85	12.75	31.64	13.15	31.44	13.58	31.34	13.80	31.24	14.03	31.06	14.51
	-7.0	-7.6	32.93	13.13	32.70	13.54	32.49	13.98	32.38	14.20	32.28	14.44	32.08	14.92
	-5.0	-5.6	34.39	13.65	34.15	14.07	33.91	14.52	33.80	14.75	33.69	14.99	33.47	15.49
	-3.0	-3.7	35.79	13.98	35.55	14.40	35.29	14.85	35.17	15.09	35.04	15.33	34.71	15.43
	0.0	-0.7	38.08	14.49	37.79	14.93	37.51	15.39	37.38	15.63	37.61	15.86	34.71	14.07
	3.0	2.2	40.04	14.78	39.73	15.22	39.42	15.68	39.05	15.36	37.61	14.48	34.71	12.81
	5.0	4.1	40.42	14.21	40.09	14.62	40.50	15.31	39.05	14.47	37.61	13.62	34.71	12.04
	7.0	6.0	41.61	14.29	41.26	14.70	40.50	14.41	39.05	13.60	37.61	12.80	34.71	11.29
	9.0	7.9	43.10	14.60	43.39	15.17	40.50	13.55	39.05	12.77	37.61	12.03	34.71	10.59
	11.0	9.8	44.59	14.92	43.39	14.25	40.50	12.73	39.05	11.98	37.61	11.27	34.71	10.00
	13.0	11.8	46.29	14.89	43.39	13.36	40.50	11.90	39.05	11.19	37.61	10.53	34.71	9.43
15.0	13.7	46.29	14.00	43.39	12.53	40.50	11.15	39.05	10.50	37.61	9.95	34.71	8.91	
18.0	15.8	46.29	13.04	43.39	11.66	40.50	10.39	39.05	9.86	37.61	9.35	34.71	8.36	
20.0	17.6	46.29	12.27	43.39	10.96	40.50	9.85	39.05	9.34	37.61	8.86	34.71	7.91	
23.0	20.2	46.29	11.21	43.39	10.08	40.50	9.09	39.05	8.62	37.61	8.16	34.71	7.25	
26.0	22.0	46.29	10.56	43.39	9.54	40.50	8.60	39.05	8.14	37.61	7.69	34.71	6.90	
30.0	24.1	46.29	9.90	43.39	8.93	40.50	8.01	39.05	7.57	37.61	7.15	34.71	6.51	
80%	-29.8	-30.0	19.07	9.34	18.98	9.70	18.89	10.09	18.85	10.29	18.67	10.51	18.60	10.95
	-25.0	-25.4	20.08	9.81	19.98	10.18	19.88	10.58	19.84	10.78	19.65	11.00	19.58	11.45
	-19.8	-20.0	22.31	10.37	22.19	10.76	22.09	11.16	22.04	11.38	21.84	11.60	21.76	12.06
	-18.8	-19.0	24.97	10.63	24.85	11.01	24.73	11.42	24.68	11.63	24.63	11.86	24.55	12.32
	-16.7	-17.0	26.21	11.14	26.08	11.53	25.95	11.94	25.89	12.16	25.84	12.39	25.74	12.86
	-13.7	-15.0	27.50	11.73	27.35	12.13	27.21	12.56	27.14	12.78	27.07	13.01	26.95	13.50
	-11.8	-13.0	28.82	12.24	28.65	12.65	28.49	13.08	28.42	13.31	28.34	13.55	28.21	14.04
	-9.8	-11.0	30.17	12.77	29.99	13.19	29.81	13.63	29.73	13.86	29.65	14.10	29.49	14.61
	-9.5	-10.0	30.86	12.97	30.67	13.40	30.48	13.84	30.39	14.08	30.31	14.32	30.14	14.82
	-8.5	-9.1	31.48	13.22	31.28	13.65	31.09	14.10	31.00	14.34	30.91	14.58	30.86	14.94
	-7.0	-7.6	32.54	13.63	32.32	14.07	32.12	14.53	32.02	14.77	31.92	15.02	30.86	14.44
	-5.0	-5.6	33.97	14.19	33.73	14.64	33.51	15.11	33.40	15.36	33.43	15.43	30.86	13.77
	-3.0	-3.7	35.34	14.55	35.09	15.00	34.86	15.48	34.71	15.37	33.43	14.56	30.86	12.98
	0.0	-0.7	37.56	15.11	37.28	15.58	36.00	14.79	34.71	14.01	33.43	13.25	30.86	11.78
	3.0	2.2	39.46	15.44	38.57	15.00	36.00	13.50	34.71	12.77	33.43	12.06	30.86	10.70
	5.0	4.1	39.81	14.83	38.57	14.11	36.00	12.69	34.71	11.99	33.43	11.33	30.86	10.07
	7.0	6.0	41.14	14.69	38.57	13.26	36.00	11.91	34.71	11.25	33.43	10.61	30.86	9.54
	9.0	7.9	41.14	13.82	38.57	12.45	36.00	11.16	34.71	10.54	33.43	9.98	30.86	8.77
	11.0	9.8	41.14	12.97	38.57	11.68	36.00	10.45	34.71	9.97	33.43	9.40	30.86	8.33
	13.0	11.8	41.14	12.13	38.57	10.92	36.00	9.86	34.71	9.39	33.43	8.93	30.86	7.84
15.0	13.7	41.14	11.36	38.57	10.25	36.00	9.32	34.71	8.88	33.43	8.44	30.86	7.44	
18.0	15.8	41.14	10.56	38.57	9.64	36.00	8.75	34.71	8.33	33.43	7.90	30.86	7.12	
20.0	17.6	41.14	10.01	38.57	9.12	36.00	8.28	34.71	7.86	33.43	7.47	30.86	6.79	
23.0	20.2	41.14	9.25	38.57	8.40	36.00	7.61	34.71	7.21	33.43	6.90	30.86	6.35	
26.0	22.0	41.14	8.74	38.57	7.93	36.00	7.15	34.71	6.85	33.43	6.58	30.86	6.05	
30.0	24.1	41.14	8.15	38.57	7.38	36.00	6.74	34.71	6.47	33.43	6.21	30.86	5.71	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.12:14HP heating capacity(continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
70%	-29.8	-30.0	18.66	9.91	18.56	10.54	18.48	11.76	18.44	12.47	18.27	13.14	18.20	14.22
	-25.0	-25.4	19.64	10.37	19.54	10.96	19.45	12.01	19.41	12.61	19.23	13.16	19.16	14.00
	-19.8	-20.0	21.82	10.82	21.71	11.23	21.61	11.67	21.56	11.90	21.36	12.14	21.28	12.64
	-18.8	-19.0	24.72	11.09	24.61	11.50	24.52	11.94	24.48	12.17	24.44	12.41	24.37	12.91
	-16.7	-17.0	25.94	11.63	25.82	12.05	25.71	12.50	25.66	12.73	25.61	12.98	25.53	13.49
	-13.7	-15.0	27.20	12.26	27.06	12.69	26.93	13.15	26.87	13.39	26.82	13.64	27.00	14.21
	-11.8	-13.0	28.49	12.81	28.33	13.25	28.19	13.72	28.12	13.97	28.06	14.22	27.00	13.63
	-9.8	-11.0	29.80	13.38	29.63	13.83	29.47	14.31	29.40	14.56	29.25	14.49	27.00	13.04
	-9.5	-10.0	30.47	13.60	30.29	14.06	30.12	14.54	30.38	14.84	29.25	14.10	27.00	12.68
	-8.5	-9.1	31.08	13.88	30.89	14.34	30.71	14.83	30.38	14.55	29.25	13.83	27.00	12.42
	-7.0	-7.6	32.10	14.32	31.91	14.79	31.50	14.78	30.38	14.05	29.25	13.36	27.00	11.98
	-5.0	-5.6	33.49	14.93	33.75	15.54	31.50	14.11	30.38	13.41	29.25	12.72	27.00	11.39
	-3.0	-3.7	34.83	15.32	33.75	14.67	31.50	13.31	30.38	12.63	29.25	11.98	27.00	10.71
	0.0	-0.7	36.00	14.68	33.75	13.35	31.50	12.08	30.38	11.46	29.25	10.85	27.00	9.75
	3.0	2.2	36.00	13.39	33.75	12.15	31.50	10.97	30.38	10.40	29.25	9.89	27.00	8.97
	5.0	4.1	36.00	12.59	33.75	11.41	31.50	10.29	30.38	9.82	29.25	9.37	27.00	8.50
	7.0	6.0	36.00	11.82	33.75	10.70	31.50	9.74	30.38	9.29	29.25	8.80	27.00	7.75
	9.0	7.9	36.00	11.08	33.75	10.00	31.50	9.01	30.38	8.51	29.25	8.04	27.00	7.14
	11.0	9.8	36.00	10.37	33.75	9.52	31.50	8.58	30.38	8.06	29.25	7.62	27.00	6.73
	13.0	11.8	36.00	9.78	33.75	8.98	31.50	8.06	30.38	7.61	29.25	7.15	27.00	6.33
15.0	13.7	36.00	9.24	33.75	8.48	31.50	7.67	30.38	7.24	29.25	6.75	27.00	6.05	
18.0	15.8	36.00	8.67	33.75	7.95	31.50	7.25	30.38	6.95	29.25	6.69	27.00	6.11	
20.0	17.6	36.00	8.20	33.75	7.50	31.50	6.89	30.38	6.64	29.25	6.40	27.00	5.92	
23.0	20.2	36.00	7.53	33.75	6.92	31.50	6.43	30.38	6.20	29.25	5.98	27.00	5.53	
26.0	22.0	36.00	7.08	33.75	6.58	31.50	6.13	30.38	5.90	29.25	5.69	27.00	5.28	
30.0	24.1	36.00	6.67	33.75	6.21	31.50	5.78	30.38	5.57	29.25	5.37	27.00	4.79	
60%	-29.8	-30.0	18.25	10.39	18.16	11.69	18.07	13.16	18.04	13.70	17.87	13.91	17.80	13.22
	-25.0	-25.4	19.21	10.91	19.12	11.98	19.03	13.13	18.98	13.52	18.81	13.63	18.74	12.87
	-19.8	-20.0	21.35	11.46	21.24	11.91	21.14	12.40	21.09	12.65	20.90	12.62	20.82	11.98
	-18.8	-19.0	24.46	11.75	24.38	12.20	24.31	12.69	24.28	12.95	24.25	13.21	23.14	12.54
	-16.7	-17.0	25.65	12.34	25.55	12.80	25.46	13.30	25.42	13.56	25.07	13.30	23.14	12.06
	-13.7	-15.0	26.87	13.03	26.75	13.50	27.00	14.12	26.04	13.49	25.07	12.87	23.14	11.65
	-11.8	-13.0	28.12	13.63	27.99	14.12	27.00	13.54	26.04	12.92	25.07	12.31	23.14	11.13
	-9.8	-11.0	29.40	14.26	28.93	14.16	27.00	12.95	26.04	12.36	25.07	11.76	23.14	10.61
	-9.5	-10.0	30.04	14.51	28.93	13.78	27.00	12.60	26.04	12.01	25.07	11.43	23.14	10.31
	-8.5	-9.1	30.86	14.73	28.93	13.51	27.00	12.34	26.04	11.76	25.07	11.19	23.14	10.08
	-7.0	-7.6	30.86	14.24	28.93	13.06	27.00	11.90	26.04	11.34	25.07	10.78	23.14	9.72
	-5.0	-5.6	30.86	13.58	28.93	12.42	27.00	11.32	26.04	10.76	25.07	10.23	23.14	9.30
	-3.0	-3.7	30.86	12.80	28.93	11.70	27.00	10.63	26.04	10.11	25.07	9.66	23.14	8.82
	0.0	-0.7	30.86	11.61	28.93	10.59	27.00	9.68	26.04	9.28	25.07	8.88	23.14	8.09
	3.0	2.2	30.86	10.53	28.93	9.68	27.00	8.90	26.04	8.54	25.07	8.16	23.14	7.45
	5.0	4.1	30.86	9.93	28.93	9.17	27.00	8.44	26.04	8.08	25.07	7.73	23.14	7.08
	7.0	6.0	30.86	9.39	28.93	8.60	27.00	7.68	26.04	7.29	25.07	6.95	23.14	6.35
	9.0	7.9	30.86	8.63	28.93	7.86	27.00	7.08	26.04	6.72	25.07	6.35	23.14	5.74
	11.0	9.8	30.86	8.19	28.93	7.42	27.00	6.66	26.04	6.33	25.07	6.07	23.14	5.53
	13.0	11.8	30.86	7.70	28.93	6.97	27.00	6.27	26.04	5.99	25.07	5.75	23.14	5.28
15.0	13.7	30.86	7.30	28.93	6.59	27.00	5.99	26.04	5.72	25.07	5.47	23.14	4.89	
18.0	15.8	30.86	6.99	28.93	6.55	27.00	6.04	26.04	5.75	25.07	5.47	23.14	4.82	
20.0	17.6	30.86	6.66	28.93	6.26	27.00	5.86	26.04	5.58	25.07	5.30	23.14	4.70	
23.0	20.2	30.86	6.22	28.93	5.84	27.00	5.48	26.04	5.31	25.07	5.13	23.14	4.60	
26.0	22.0	30.86	5.93	28.93	5.56	27.00	5.23	26.04	5.05	25.07	4.88	23.14	4.56	
30.0	24.1	30.86	5.59	28.93	5.24	27.00	4.74	26.04	4.49	25.07	4.24	23.14	3.76	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.12:14HP heating capacity(continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50%	-29.8	-30.0	17.86	14.09	17.77	13.87	17.68	13.02	17.64	12.45	17.48	11.90	16.49	10.81
	-25.0	-25.4	18.80	13.78	18.70	13.49	18.61	12.64	18.57	12.09	18.40	11.56	17.36	10.51
	-19.8	-20.0	20.88	12.47	20.78	12.57	20.68	12.23	20.64	11.74	20.44	11.24	19.29	10.24
	-18.8	-19.0	24.22	12.79	24.11	13.03	22.50	12.02	21.70	11.51	20.89	11.02	19.29	10.03
	-16.7	-17.0	25.71	13.56	24.11	12.55	22.50	11.56	21.70	11.07	20.89	10.58	19.29	9.62
	-13.7	-15.0	25.71	13.13	24.11	12.13	22.50	11.15	21.70	10.66	20.89	10.19	19.29	9.25
	-11.8	-13.0	25.71	12.57	24.11	11.60	22.50	10.65	21.70	10.18	20.89	9.71	19.29	8.89
	-9.8	-11.0	25.71	12.02	24.11	11.07	22.50	10.14	21.70	9.68	20.89	9.28	19.29	8.53
	-9.5	-10.0	25.71	11.68	24.11	10.76	22.50	9.84	21.70	9.42	20.89	9.05	19.29	8.32
	-8.5	-9.1	25.71	11.43	24.11	10.52	22.50	9.63	21.70	9.26	20.89	8.89	19.29	8.16
	-7.0	-7.6	25.71	11.02	24.11	10.12	22.50	9.32	21.70	8.97	20.89	8.60	19.29	7.89
	-5.0	-5.6	25.71	10.46	24.11	9.64	22.50	8.93	21.70	8.58	20.89	8.22	19.29	7.55
	-3.0	-3.7	25.71	9.84	24.11	9.14	22.50	8.46	21.70	8.12	20.89	7.79	19.29	7.15
	0.0	-0.7	25.71	9.02	24.11	8.39	22.50	7.76	21.70	7.46	20.89	7.15	19.29	6.66
	3.0	2.2	25.71	8.31	24.11	7.72	22.50	7.14	21.70	6.90	20.89	6.68	19.29	6.24
	5.0	4.1	25.71	7.86	24.11	7.30	22.50	6.82	21.70	6.61	20.89	6.40	19.29	5.78
	7.0	6.0	25.71	7.08	24.11	6.54	22.50	6.10	21.70	5.89	20.89	5.69	19.29	5.29
	9.0	7.9	25.71	6.49	24.11	5.97	22.50	5.52	21.70	5.29	20.89	5.08	19.29	4.66
	11.0	9.8	25.71	6.15	24.11	5.73	22.50	5.34	21.70	5.15	20.89	4.92	19.29	4.51
	13.0	11.8	25.71	5.82	24.11	5.43	22.50	5.06	21.70	4.88	20.89	4.70	19.29	4.36
15.0	13.7	25.71	5.55	24.11	5.09	22.50	4.69	21.70	4.51	20.89	4.35	19.29	4.01	
18.0	15.8	25.71	5.60	24.11	5.05	22.50	4.58	21.70	4.37	20.89	4.18	19.29	3.77	
20.0	17.6	25.71	5.44	24.11	4.96	22.50	4.45	21.70	4.25	20.89	4.00	19.29	3.61	
23.0	20.2	25.71	5.17	24.11	4.89	22.50	4.33	21.70	4.12	20.89	3.85	19.29	3.42	
26.0	22.0	25.71	4.92	24.11	4.65	22.50	4.40	21.70	4.27	20.89	4.14	19.29	3.99	
30.0	24.1	25.71	4.35	24.11	3.90	22.50	3.54	21.70	3.33	20.89	3.14	19.29	2.89	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table2-8.13:16HP heating capacity

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
130%	-29.8	-30.0	24.41	9.04	24.27	9.40	24.15	9.77	24.09	9.97	24.03	10.17	23.92	10.59
	-25.0	-25.4	25.69	9.45	25.55	9.82	25.42	10.20	25.35	10.39	25.29	10.60	25.17	11.02
	-19.8	-20.0	28.55	9.85	28.39	10.22	28.24	10.61	28.17	10.81	28.10	11.02	27.97	11.45
	-18.8	-19.0	30.97	10.09	30.79	10.47	30.61	10.86	30.52	11.06	30.44	11.27	30.28	11.71
	-16.7	-17.0	32.64	10.60	32.43	10.98	32.23	11.38	32.14	11.58	32.04	11.79	31.86	12.23
	-13.7	-15.0	34.36	11.18	34.14	11.57	33.92	11.98	33.81	12.19	33.71	12.40	33.50	12.85
	-11.8	-13.0	36.15	11.67	35.91	12.07	35.67	12.48	35.55	12.70	35.43	12.92	35.21	13.38
	-9.8	-11.0	38.00	12.17	37.73	12.58	37.47	13.00	37.34	13.22	37.22	13.45	36.97	13.91
	-9.5	-10.0	38.94	12.36	38.67	12.77	38.40	13.20	38.26	13.42	38.13	13.65	37.87	14.11
	-8.5	-9.1	39.81	12.60	39.52	13.02	39.24	13.45	39.10	13.67	38.96	13.90	38.69	14.37
	-7.0	-7.6	41.27	12.98	40.97	13.41	40.67	13.85	40.52	14.07	40.37	14.30	40.09	14.79
	-5.0	-5.6	43.26	13.50	42.94	13.94	42.62	14.39	42.46	14.62	42.30	14.86	41.99	15.35
	-3.0	-3.7	45.14	13.81	44.81	14.25	44.48	14.71	44.31	14.94	44.15	15.18	43.83	15.68
	0.0	-0.7	48.17	14.29	47.81	14.74	47.44	15.21	47.26	15.45	47.08	15.70	46.72	16.20
	3.0	2.2	50.80	14.52	50.38	14.97	49.99	15.44	49.79	15.68	49.59	15.93	49.19	16.44
	5.0	4.1	51.17	13.82	50.76	14.25	50.34	14.69	50.13	14.92	49.91	15.15	49.49	15.62
	7.0	6.0	52.75	13.84	52.30	14.27	51.86	14.71	51.64	14.94	51.42	15.17	50.97	15.64
	9.0	7.9	54.75	14.12	54.29	14.56	53.84	15.00	53.60	15.24	53.36	15.47	52.90	15.95
	11.0	9.8	56.78	14.40	56.30	14.85	55.82	15.30	55.57	15.54	55.33	15.78	55.71	16.45
	13.0	11.8	58.96	14.71	58.46	15.16	57.94	15.63	57.68	15.87	57.42	16.11	55.71	15.37
15.0	13.7	61.05	15.01	60.51	15.47	59.97	15.94	59.70	16.19	60.36	16.61	55.71	14.38	
18.0	15.8	63.37	15.35	62.81	15.82	62.24	16.31	62.68	16.54	60.36	15.46	55.71	13.37	
20.0	17.6	65.38	15.65	64.79	16.13	65.00	16.65	62.68	15.56	60.36	14.51	55.71	12.53	
23.0	20.2	68.29	16.10	67.66	16.60	65.00	15.23	62.68	14.20	60.36	13.23	55.71	11.48	
26.0	22.0	70.33	16.43	69.64	16.33	65.00	14.28	62.68	13.31	60.36	12.40	55.71	10.84	
30.0	24.1	72.72	16.83	69.64	15.17	65.00	13.26	62.68	12.34	60.36	11.57	55.71	10.08	
120%	-29.8	-30.0	24.10	9.11	23.97	9.48	23.85	9.86	23.79	10.06	23.73	10.26	23.63	10.69
	-25.0	-25.4	25.37	9.55	25.23	9.93	25.10	10.31	25.04	10.52	24.98	10.73	24.88	11.16
	-19.8	-20.0	28.19	10.02	28.03	10.40	27.89	10.80	27.82	11.01	27.76	11.22	27.64	11.67
	-18.8	-19.0	30.72	10.28	30.54	10.66	30.37	11.06	30.29	11.27	30.21	11.48	30.05	11.93
	-16.7	-17.0	32.38	10.79	32.18	11.18	31.98	11.59	31.89	11.80	31.80	12.02	31.63	12.47
	-13.7	-15.0	34.09	11.39	33.87	11.79	33.66	12.21	33.56	12.42	33.46	12.65	33.26	13.11
	-11.8	-13.0	35.87	11.90	35.63	12.31	35.40	12.73	35.28	12.95	35.17	13.18	34.95	13.65
	-9.8	-11.0	37.71	12.42	37.45	12.84	37.19	13.27	37.07	13.50	36.94	13.73	36.70	14.21
	-9.5	-10.0	38.65	12.62	38.38	13.04	38.11	13.48	37.98	13.70	37.85	13.93	37.60	14.42
	-8.5	-9.1	39.51	12.87	39.22	13.29	38.95	13.73	38.81	13.96	38.68	14.20	38.41	14.68
	-7.0	-7.6	40.93	13.26	40.64	13.70	40.36	14.15	40.22	14.38	40.08	14.62	39.80	15.12
	-5.0	-5.6	42.84	13.80	42.53	14.24	42.22	14.71	42.07	14.94	41.92	15.19	41.63	15.70
	-3.0	-3.7	44.69	14.12	44.36	14.57	44.03	15.04	43.87	15.28	43.71	15.53	43.39	16.05
	0.0	-0.7	47.67	14.64	47.31	15.10	46.95	15.57	46.77	15.82	46.59	16.07	46.24	16.60
	3.0	2.2	50.24	14.88	49.85	15.35	49.46	15.83	49.26	16.07	49.06	16.33	48.67	16.85
	5.0	4.1	50.62	14.17	50.20	14.60	49.78	15.06	49.57	15.29	49.36	15.52	48.94	16.02
	7.0	6.0	52.16	14.20	51.72	14.64	51.29	15.09	51.06	15.32	50.84	15.56	51.43	16.37
	9.0	7.9	54.13	14.50	53.68	14.94	53.21	15.40	52.98	15.64	52.74	15.88	51.43	15.38
	11.0	9.8	56.14	14.81	55.65	15.26	55.17	15.73	54.91	15.97	55.71	16.50	51.43	14.38
	13.0	11.8	58.27	15.13	57.76	15.60	57.24	16.07	57.86	16.48	55.71	15.41	51.43	13.42
15.0	13.7	60.31	15.46	59.77	15.93	60.00	16.47	57.86	15.44	55.71	14.44	51.43	12.53	
18.0	15.8	62.58	15.83	62.02	16.31	60.00	15.32	57.86	14.35	55.71	13.40	51.43	11.67	
20.0	17.6	64.55	16.15	64.29	16.34	60.00	14.37	57.86	13.45	55.71	12.56	51.43	11.02	
23.0	20.2	68.57	16.86	64.29	14.93	60.00	13.10	57.86	12.26	55.71	11.51	51.43	10.13	
26.0	22.0	68.57	15.86	64.29	14.01	60.00	12.27	57.86	11.56	55.71	10.86	51.43	9.52	
30.0	24.1	68.57	14.72	64.29	12.99	60.00	11.47	57.86	10.79	55.71	10.11	51.43	8.82	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.13:16HP heating capacity(continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110%	-29.8	-30.0	23.94	9.29	23.81	9.67	23.69	10.06	23.64	10.26	23.58	10.47	23.48	10.91
	-25.0	-25.4	25.20	9.75	25.06	10.13	24.94	10.53	24.88	10.74	24.82	10.95	24.72	11.40
	-19.8	-20.0	28.00	10.24	27.85	10.63	27.71	11.04	27.64	11.25	27.58	11.47	27.47	11.93
	-18.8	-19.0	30.49	10.50	30.31	10.89	30.14	11.30	30.07	11.52	29.99	11.74	29.85	12.20
	-16.7	-17.0	32.13	11.03	31.94	11.43	31.75	11.85	31.66	12.07	31.57	12.29	31.41	12.76
	-13.7	-15.0	33.84	11.65	33.62	12.06	33.42	12.49	33.32	12.71	33.22	12.94	33.03	13.42
	-11.8	-13.0	35.60	12.18	35.37	12.60	35.14	13.03	35.03	13.26	34.92	13.49	34.71	13.98
	-9.8	-11.0	37.40	12.72	37.15	13.15	36.91	13.60	36.80	13.83	36.68	14.07	36.45	14.57
	-9.5	-10.0	38.30	12.93	38.04	13.36	37.79	13.81	37.67	14.04	37.55	14.28	37.31	14.78
	-8.5	-9.1	39.12	13.18	38.85	13.62	38.59	14.07	38.47	14.31	38.34	14.55	38.09	15.06
	-7.0	-7.6	40.51	13.60	40.22	14.04	39.95	14.50	39.81	14.74	39.68	14.99	39.41	15.51
	-5.0	-5.6	42.39	14.16	42.09	14.61	41.79	15.09	41.64	15.34	41.49	15.59	41.20	16.12
	-3.0	-3.7	44.21	14.50	43.88	14.96	43.56	15.45	43.41	15.70	43.25	15.95	42.94	16.49
	0.0	-0.7	47.15	15.05	46.79	15.52	46.44	16.02	46.26	16.27	46.08	16.53	45.74	17.08
	3.0	2.2	49.67	15.32	49.28	15.80	48.89	16.29	48.69	16.55	48.50	16.81	47.14	16.19
	5.0	4.1	50.02	14.58	49.60	15.03	49.19	15.50	48.98	15.74	48.77	15.98	47.14	15.20
	7.0	6.0	51.54	14.63	51.09	15.08	50.66	15.54	50.43	15.78	51.07	16.24	47.14	14.24
	9.0	7.9	53.46	14.96	53.00	15.41	52.55	15.88	53.04	16.22	51.07	15.22	47.14	13.32
	11.0	9.8	55.43	15.29	54.94	15.75	55.00	16.17	53.04	15.20	51.07	14.25	47.14	12.44
	13.0	11.8	57.51	15.65	57.00	16.12	55.00	15.11	53.04	14.18	51.07	13.29	47.14	11.62
15.0	13.7	59.50	16.00	58.93	15.95	55.00	14.12	53.04	13.25	51.07	12.41	47.14	10.95	
18.0	15.8	62.86	16.68	58.93	14.84	55.00	13.11	53.04	12.29	51.07	11.57	47.14	10.25	
20.0	17.6	62.86	15.68	58.93	13.91	55.00	12.30	53.04	11.58	51.07	10.93	47.14	9.67	
23.0	20.2	62.86	14.30	58.93	12.70	55.00	11.28	53.04	10.65	51.07	10.04	47.14	8.83	
26.0	22.0	62.86	13.41	58.93	11.90	55.00	10.63	53.04	10.02	51.07	9.43	47.14	8.28	
30.0	24.1	62.86	12.42	58.93	11.11	55.00	9.90	53.04	9.33	51.07	8.73	47.14	7.65	
100%	-29.8	-30.0	23.81	9.52	23.69	9.90	23.58	10.31	23.52	10.52	23.48	10.74	23.39	11.19
	-25.0	-25.4	25.06	9.99	24.93	10.38	24.82	10.80	24.76	11.01	24.71	11.23	24.62	11.70
	-19.8	-20.0	27.84	10.50	27.70	10.90	27.57	11.33	27.51	11.55	27.46	11.77	27.36	12.25
	-18.8	-19.0	30.26	10.77	30.10	11.18	29.94	11.60	29.87	11.83	29.79	12.05	29.66	12.54
	-16.7	-17.0	31.90	11.33	31.71	11.74	31.53	12.17	31.45	12.40	31.37	12.63	31.21	13.12
	-13.7	-15.0	33.58	11.97	33.38	12.39	33.19	12.84	33.09	13.07	33.00	13.31	32.82	13.81
	-11.8	-13.0	35.27	12.52	35.05	12.95	34.84	13.40	34.74	13.64	34.64	13.88	34.44	14.39
	-9.8	-11.0	37.01	13.08	36.77	13.52	36.54	13.99	36.42	14.23	36.31	14.48	36.10	15.00
	-9.5	-10.0	37.90	13.30	37.65	13.74	37.40	14.21	37.28	14.46	37.17	14.71	36.94	15.23
	-8.5	-9.1	38.70	13.57	38.44	14.02	38.19	14.49	38.06	14.74	37.94	14.99	37.71	15.52
	-7.0	-7.6	40.06	14.00	39.79	14.46	39.52	14.94	39.39	15.20	39.25	15.46	39.00	15.99
	-5.0	-5.6	41.92	14.59	41.62	15.07	41.32	15.56	41.18	15.82	41.04	16.09	40.76	16.64
	-3.0	-3.7	43.70	14.96	43.38	15.44	43.07	15.95	42.92	16.21	42.76	16.48	42.86	17.00
	0.0	-0.7	46.58	15.56	46.23	16.05	45.88	16.56	45.71	16.83	46.43	17.44	42.86	15.41
	3.0	2.2	49.05	15.86	48.67	16.35	48.28	16.87	48.21	16.82	46.43	15.85	42.86	13.96
	5.0	4.1	49.37	15.09	48.95	15.56	48.54	16.04	48.21	15.78	46.43	14.85	42.86	13.07
	7.0	6.0	50.84	15.16	50.40	15.62	50.00	15.70	48.21	14.80	46.43	13.90	42.86	12.22
	9.0	7.9	52.73	15.51	52.27	15.98	50.00	14.71	48.21	13.84	46.43	13.00	42.86	11.40
	11.0	9.8	54.64	15.87	53.57	15.47	50.00	13.77	48.21	12.95	46.43	12.16	42.86	10.72
	13.0	11.8	57.14	16.12	53.57	14.44	50.00	12.82	48.21	12.05	46.43	11.39	42.86	10.07
15.0	13.7	57.14	15.11	53.57	13.50	50.00	11.96	48.21	11.34	46.43	10.72	42.86	9.52	
18.0	15.8	57.14	14.03	53.57	12.50	50.00	12.10	48.21	10.61	46.43	10.03	42.86	8.91	
20.0	17.6	57.14	13.16	53.57	11.75	50.00	10.57	48.21	10.00	46.43	9.44	42.86	8.37	
23.0	20.2	57.14	11.99	53.57	10.81	50.00	9.69	48.21	9.17	46.43	8.62	42.86	7.63	
26.0	22.0	57.14	11.31	53.57	10.18	50.00	9.10	48.21	8.60	46.43	8.07	42.86	7.23	
30.0	24.1	57.14	10.56	53.57	9.47	50.00	8.42	48.21	7.92	46.43	7.50	42.86	6.77	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.13:16HP heating capacity(continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
90%	-29.8	-30.0	23.29	9.67	23.17	10.06	23.06	10.49	23.01	10.71	22.97	10.93	22.88	11.42
	-25.0	-25.4	24.51	10.20	24.39	10.60	24.28	11.03	24.22	11.26	24.17	11.49	24.09	11.99
	-19.8	-20.0	27.24	10.84	27.10	11.25	26.97	11.70	26.92	11.93	26.86	12.17	26.76	12.67
	-18.8	-19.0	30.05	11.12	29.90	11.54	29.76	11.99	29.69	12.22	29.62	12.46	29.51	12.97
	-16.7	-17.0	31.61	11.70	31.44	12.12	31.28	12.58	31.21	12.82	31.13	13.06	31.00	13.58
	-13.7	-15.0	33.23	12.36	33.04	12.80	32.86	13.27	32.77	13.52	32.69	13.77	32.53	14.30
	-11.8	-13.0	34.89	12.94	34.68	13.39	34.48	13.87	34.38	14.12	34.29	14.38	34.11	14.91
	-9.8	-11.0	36.60	13.54	36.37	14.00	36.14	14.49	36.04	14.74	35.93	15.01	35.73	15.56
	-9.5	-10.0	37.47	13.77	37.23	14.23	36.99	14.73	36.88	14.98	36.77	15.25	36.56	15.80
	-8.5	-9.1	38.26	14.05	38.01	14.52	37.76	15.02	37.65	15.28	37.53	15.55	37.31	16.11
	-7.0	-7.6	39.59	14.52	39.33	15.00	39.07	15.51	38.94	15.77	38.81	16.04	38.57	16.29
	-5.0	-5.6	41.40	15.15	41.11	15.64	40.83	16.17	40.69	16.44	40.56	16.72	38.57	15.49
	-3.0	-3.7	43.15	15.55	42.84	16.05	42.54	16.58	42.39	16.86	41.79	16.40	38.57	14.56
	0.0	-0.7	45.96	16.20	45.62	16.72	45.00	16.62	43.39	15.72	41.79	14.83	38.57	13.14
	3.0	2.2	48.35	16.54	48.21	16.81	45.00	15.08	43.39	14.26	41.79	13.44	38.57	11.85
	5.0	4.1	48.64	15.73	48.21	15.77	45.00	14.14	43.39	13.34	41.79	12.57	38.57	11.15
	7.0	6.0	50.06	15.81	48.21	14.80	45.00	13.22	43.39	12.47	41.79	11.73	38.57	10.42
	9.0	7.9	51.43	15.40	48.21	13.84	45.00	12.34	43.39	11.60	41.79	10.99	38.57	9.82
	11.0	9.8	51.43	14.41	48.21	12.95	45.00	11.52	43.39	10.93	41.79	10.34	38.57	9.23
	13.0	11.8	51.43	13.43	48.21	12.03	45.00	10.84	43.39	10.25	41.79	9.69	38.57	8.62
15.0	13.7	51.43	12.56	48.21	11.32	45.00	10.25	43.39	9.66	41.79	9.13	38.57	8.10	
18.0	15.8	51.43	11.67	48.21	10.59	45.00	9.57	43.39	9.07	41.79	8.58	38.57	7.67	
20.0	17.6	51.43	11.01	48.21	9.99	45.00	9.01	43.39	8.53	41.79	8.05	38.57	7.27	
23.0	20.2	51.43	10.12	48.21	9.15	45.00	8.21	43.39	7.74	41.79	7.40	38.57	6.74	
26.0	22.0	51.43	9.52	48.21	8.56	45.00	7.67	43.39	7.34	41.79	7.01	38.57	6.37	
30.0	24.1	51.43	8.82	48.21	7.90	45.00	7.18	43.39	6.86	41.79	6.55	38.57	5.95	
80%	-29.8	-30.0	22.78	10.22	22.67	10.64	22.56	11.09	22.51	11.43	22.47	12.23	22.38	14.46
	-25.0	-25.4	23.98	10.74	23.86	11.16	23.75	11.62	23.70	11.95	23.65	12.63	23.56	14.47
	-19.8	-20.0	26.65	11.25	26.51	11.69	26.39	12.15	26.33	12.46	26.28	13.04	26.18	14.48
	-18.8	-19.0	29.74	11.56	29.61	12.01	29.48	12.48	29.42	12.73	29.37	12.99	29.28	13.53
	-16.7	-17.0	31.28	12.17	31.12	12.62	30.97	13.11	30.91	13.36	30.84	13.62	30.73	14.18
	-13.7	-15.0	32.86	12.88	32.68	13.34	32.52	13.84	32.44	14.10	32.36	14.37	32.23	14.94
	-11.8	-13.0	34.49	13.49	34.29	13.97	34.10	14.48	34.01	14.75	33.93	15.02	34.29	15.77
	-9.8	-11.0	36.16	14.13	35.94	14.62	35.73	15.15	35.63	15.42	35.53	15.70	34.29	15.07
	-9.5	-10.0	37.01	14.38	36.78	14.88	36.56	15.40	36.45	15.68	36.35	15.96	34.29	14.63
	-8.5	-9.1	37.78	14.69	37.54	15.19	37.31	15.72	37.20	16.00	37.14	16.00	34.29	14.32
	-7.0	-7.6	39.08	15.19	38.83	15.70	38.58	16.25	38.57	16.28	37.14	15.43	34.29	13.79
	-5.0	-5.6	40.84	15.87	40.57	16.40	40.00	16.32	38.57	15.50	37.14	14.66	34.29	13.07
	-3.0	-3.7	42.54	16.32	42.86	17.00	40.00	15.36	38.57	14.56	37.14	13.76	34.29	12.24
	0.0	-0.7	45.71	16.99	42.86	15.39	40.00	13.87	38.57	13.14	37.14	12.42	34.29	11.07
	3.0	2.2	45.71	15.44	42.86	13.96	40.00	12.53	38.57	11.85	37.14	11.24	34.29	10.13
	5.0	4.1	45.71	14.46	42.86	13.05	40.00	11.72	38.57	11.15	37.14	10.60	34.29	9.56
	7.0	6.0	45.71	13.54	42.86	12.21	40.00	10.98	38.57	10.43	37.14	9.87	34.29	8.84
	9.0	7.9	45.71	12.62	42.86	11.37	40.00	10.31	38.57	9.81	37.14	9.33	34.29	8.43
	11.0	9.8	45.71	11.81	42.86	10.72	40.00	9.68	38.57	9.20	37.14	8.74	34.29	7.86
	13.0	11.8	45.71	11.10	42.86	10.04	40.00	9.07	38.57	8.61	37.14	8.16	34.29	7.31
15.0	13.7	45.71	10.44	42.86	9.47	40.00	8.52	38.57	8.07	37.14	7.61	34.29	6.90	
18.0	15.8	45.71	9.76	42.86	8.89	40.00	8.03	38.57	7.66	37.14	7.37	34.29	6.51	
20.0	17.6	45.71	9.18	42.86	8.34	40.00	7.58	38.57	7.26	37.14	6.96	34.29	6.23	
23.0	20.2	45.71	8.38	42.86	7.60	40.00	7.01	38.57	6.71	37.14	6.43	34.29	5.89	
26.0	22.0	45.71	7.83	42.86	7.20	40.00	6.64	38.57	6.36	37.14	6.10	34.29	5.56	
30.0	24.1	45.71	7.29	42.86	6.72	40.00	6.20	38.57	5.94	37.14	5.60	34.29	4.95	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.13:16HP heating capacity(continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
70%	-29.8	-30.0	22.29	10.49	22.17	10.94	22.07	12.06	22.02	12.96	21.98	13.91	21.90	15.29
	-25.0	-25.4	23.46	11.10	23.34	11.56	23.23	12.51	23.18	13.22	23.14	13.96	23.05	14.93
	-19.8	-20.0	26.07	11.85	25.94	12.32	25.81	12.84	25.76	13.10	25.71	13.38	25.61	13.97
	-18.8	-19.0	29.43	12.16	29.31	12.64	29.21	13.16	29.16	13.43	29.12	13.71	29.05	14.31
	-16.7	-17.0	30.93	12.82	30.79	13.31	30.67	13.84	30.61	14.11	30.56	14.40	30.00	14.34
	-13.7	-15.0	32.47	13.58	32.31	14.09	32.17	14.63	32.10	14.92	32.50	15.35	30.00	13.83
	-11.8	-13.0	34.06	14.25	33.88	14.77	33.71	15.33	33.75	15.43	32.50	14.66	30.00	13.18
	-9.8	-11.0	35.68	14.94	35.48	15.48	35.00	15.46	33.75	14.72	32.50	13.98	30.00	12.54
	-9.5	-10.0	36.50	15.22	36.29	15.76	35.00	15.03	33.75	14.29	32.50	13.57	30.00	12.15
	-8.5	-9.1	37.25	15.56	37.50	16.18	35.00	14.70	33.75	13.98	32.50	13.27	30.00	11.86
	-7.0	-7.6	38.51	16.11	37.50	15.61	35.00	14.16	33.75	13.45	32.50	12.76	30.00	11.40
	-5.0	-5.6	40.00	16.28	37.50	14.83	35.00	13.43	33.75	12.75	32.50	12.08	30.00	10.85
	-3.0	-3.7	40.00	15.29	37.50	13.92	35.00	12.59	33.75	11.93	32.50	11.31	30.00	10.24
	0.0	-0.7	40.00	13.84	37.50	12.55	35.00	11.34	33.75	10.84	32.50	10.32	30.00	9.35
	3.0	2.2	40.00	12.49	37.50	11.35	35.00	10.38	33.75	9.91	32.50	9.44	30.00	8.54
	5.0	4.1	40.00	11.68	37.50	10.71	35.00	9.79	33.75	9.34	32.50	8.91	30.00	8.05
	7.0	6.0	40.00	10.94	37.50	9.99	35.00	9.11	33.75	8.64	32.50	8.21	30.00	7.40
	9.0	7.9	40.00	10.28	37.50	9.43	35.00	8.62	33.75	8.23	32.50	7.87	30.00	7.20
	11.0	9.8	40.00	9.65	37.50	8.82	35.00	8.06	33.75	7.70	32.50	7.30	30.00	6.66
	13.0	11.8	40.00	9.03	37.50	8.25	35.00	7.50	33.75	7.14	32.50	6.83	30.00	6.22
15.0	13.7	40.00	8.47	37.50	7.70	35.00	7.03	33.75	6.74	32.50	6.49	30.00	5.92	
18.0	15.8	40.00	8.00	37.50	7.38	35.00	6.69	33.75	6.39	32.50	6.05	30.00	5.51	
20.0	17.6	40.00	7.53	37.50	7.00	35.00	6.39	33.75	6.08	32.50	5.79	30.00	5.21	
23.0	20.2	40.00	6.96	37.50	6.47	35.00	6.00	33.75	5.77	32.50	5.45	30.00	4.88	
26.0	22.0	40.00	6.59	37.50	6.12	35.00	5.66	33.75	5.45	32.50	5.22	30.00	4.80	
30.0	24.1	40.00	6.15	37.50	5.63	35.00	5.09	33.75	4.82	32.50	4.58	30.00	4.14	
60%	-29.8	-30.0	21.80	12.69	21.69	14.17	21.59	15.17	21.54	15.37	21.50	14.89	21.42	13.43
	-25.0	-25.4	22.95	12.96	22.83	14.11	22.73	14.81	22.68	14.90	22.63	14.41	22.55	12.99
	-19.8	-20.0	25.50	12.69	25.37	13.23	25.25	13.80	25.20	14.11	25.15	13.84	25.05	12.53
	-18.8	-19.0	29.12	13.04	29.03	13.58	28.95	14.16	28.93	14.23	27.86	13.57	25.71	12.27
	-16.7	-17.0	30.57	13.76	30.46	14.31	30.00	14.29	28.93	13.64	27.86	13.01	25.71	11.74
	-13.7	-15.0	32.06	14.60	32.14	15.08	30.00	13.78	28.93	13.14	27.86	12.51	25.71	11.27
	-11.8	-13.0	34.29	15.67	32.14	14.39	30.00	13.14	28.93	12.52	27.86	11.90	25.71	10.69
	-9.8	-11.0	34.29	14.97	32.14	13.72	30.00	12.49	28.93	11.89	27.86	11.30	25.71	10.22
	-9.5	-10.0	34.29	14.53	32.14	13.32	30.00	12.10	28.93	11.52	27.86	10.95	25.71	9.94
	-8.5	-9.1	34.29	14.22	32.14	13.02	30.00	11.84	28.93	11.25	27.86	10.72	25.71	9.74
	-7.0	-7.6	34.29	13.70	32.14	12.51	30.00	11.36	28.93	10.83	27.86	10.36	25.71	9.41
	-5.0	-5.6	34.29	12.99	32.14	11.85	30.00	10.81	28.93	10.35	27.86	9.88	25.71	8.97
	-3.0	-3.7	34.29	12.16	32.14	11.11	30.00	10.20	28.93	9.76	27.86	9.32	25.71	8.46
	0.0	-0.7	34.29	10.99	32.14	10.13	30.00	9.30	28.93	8.90	27.86	8.51	25.71	7.72
	3.0	2.2	34.29	10.05	32.14	9.27	30.00	8.51	28.93	8.14	27.86	7.76	25.71	7.16
	5.0	4.1	34.29	9.48	32.14	8.73	30.00	8.02	28.93	7.68	27.86	7.39	25.71	6.64
	7.0	6.0	34.29	8.81	32.14	8.09	30.00	7.36	28.93	7.09	27.86	6.80	25.71	6.26
	9.0	7.9	34.29	8.35	32.14	7.71	30.00	7.11	28.93	6.82	27.86	6.53	25.71	6.01
	11.0	9.8	34.29	7.80	32.14	7.15	30.00	6.59	28.93	6.32	27.86	6.08	25.71	5.56
	13.0	11.8	34.29	7.23	32.14	6.69	30.00	6.19	28.93	5.92	27.86	5.69	25.71	5.21
15.0	13.7	34.29	6.82	32.14	6.37	30.00	5.88	28.93	5.63	27.86	5.40	25.71	4.95	
18.0	15.8	34.29	6.44	32.14	5.93	30.00	5.47	28.93	5.25	27.86	5.06	25.71	4.63	
20.0	17.6	34.29	6.22	32.14	5.69	30.00	5.18	28.93	4.96	27.86	4.76	25.71	4.41	
23.0	20.2	34.29	5.82	32.14	5.34	30.00	4.84	28.93	4.61	27.86	4.40	25.71	3.99	
26.0	22.0	34.29	5.49	32.14	5.13	30.00	4.78	28.93	4.60	27.86	4.42	25.71	4.09	
30.0	24.1	34.29	4.92	32.14	4.49	30.00	4.13	28.93	3.95	27.86	3.79	25.71	3.50	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...



Table2-8.13:16HP heating capacity(continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50%	-29.8	-30.0	21.33	15.35	21.22	14.20	21.12	12.98	20.61	12.37	19.85	11.78	18.32	10.67
	-25.0	-25.4	22.45	14.83	22.34	13.71	22.23	12.55	21.70	11.96	20.89	11.40	19.29	10.34
	-19.8	-20.0	24.95	14.18	24.82	13.11	24.70	12.03	24.11	11.50	23.21	10.98	21.43	9.93
	-18.8	-19.0	28.57	13.90	26.79	12.84	25.00	11.78	24.11	11.25	23.21	10.73	21.43	9.72
	-16.7	-17.0	28.57	13.34	26.79	12.29	25.00	11.26	24.11	10.75	23.21	10.24	21.43	9.37
	-13.7	-15.0	28.57	12.84	26.79	11.82	25.00	10.80	24.11	10.30	23.21	9.88	21.43	9.07
	-11.8	-13.0	28.57	12.23	26.79	11.22	25.00	10.28	24.11	9.87	23.21	9.47	21.43	8.65
	-9.8	-11.0	28.57	11.62	26.79	10.65	25.00	9.83	24.11	9.44	23.21	9.05	21.43	8.26
	-9.5	-10.0	28.57	11.26	26.79	10.37	25.00	9.57	24.11	9.19	23.21	8.80	21.43	8.03
	-8.5	-9.1	28.57	10.99	26.79	10.16	25.00	9.38	24.11	9.00	23.21	8.61	21.43	7.86
	-7.0	-7.6	28.57	10.60	26.79	9.82	25.00	9.05	24.11	8.69	23.21	8.31	21.43	7.58
	-5.0	-5.6	28.57	10.12	26.79	9.37	25.00	8.64	24.11	8.27	23.21	7.91	21.43	7.27
	-3.0	-3.7	28.57	9.54	26.79	8.84	25.00	8.14	24.11	7.80	23.21	7.49	21.43	6.95
	0.0	-0.7	28.57	8.71	26.79	8.05	25.00	7.45	24.11	7.20	23.21	6.95	21.43	6.44
	3.0	2.2	28.57	7.95	26.79	7.41	25.00	6.93	24.11	6.69	23.21	6.46	21.43	5.99
	5.0	4.1	28.57	7.51	26.79	6.94	25.00	6.41	24.11	6.19	23.21	5.97	21.43	5.53
	7.0	6.0	28.57	6.98	26.79	6.54	25.00	6.04	24.11	5.82	23.21	5.62	21.43	5.13
	9.0	7.9	28.57	6.66	26.79	6.18	25.00	5.74	24.11	5.52	23.21	5.34	21.43	4.90
	11.0	9.8	28.57	6.17	26.79	5.75	25.00	5.33	24.11	5.15	23.21	4.95	21.43	4.56
	13.0	11.8	28.57	5.79	26.79	5.40	25.00	5.02	24.11	4.83	23.21	4.64	21.43	4.28
15.0	13.7	28.57	5.50	26.79	5.13	25.00	4.75	24.11	4.58	23.21	4.40	21.43	4.05	
18.0	15.8	28.57	5.13	26.79	4.80	25.00	4.45	24.11	4.29	23.21	4.12	21.43	3.79	
20.0	17.6	28.57	4.84	26.79	4.52	25.00	4.24	24.11	4.11	23.21	3.97	21.43	3.66	
23.0	20.2	28.57	4.49	26.79	4.15	25.00	3.83	24.11	3.69	23.21	3.57	21.43	3.40	
26.0	22.0	28.57	4.48	26.79	4.21	25.00	3.96	24.11	3.76	23.21	3.59	21.43	3.24	
30.0	24.1	28.57	3.83	26.79	3.61	25.00	3.40	24.11	3.35	23.21	3.25	21.43	3.06	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table2-8.14:18HP heating capacity

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
130%	-29.8	-30.0	25.09	9.59	24.96	9.97	24.84	10.36	24.79	10.57	24.74	10.78	24.64	11.21
	-25.0	-25.4	26.41	10.01	26.28	10.40	26.15	10.80	26.09	11.00	26.04	11.21	25.93	11.66
	-19.8	-20.0	29.34	10.40	29.19	10.79	29.06	11.20	28.99	11.41	28.93	11.63	28.82	12.08
	-18.8	-19.0	31.85	10.66	31.68	11.05	31.51	11.46	31.43	11.68	31.36	11.90	31.21	12.35
	-16.7	-17.0	33.55	11.18	33.36	11.58	33.17	12.00	33.08	12.21	32.99	12.43	32.82	12.89
	-13.7	-15.0	35.31	11.78	35.10	12.19	34.89	12.62	34.79	12.84	34.69	13.06	34.50	13.53
	-11.8	-13.0	37.14	12.28	36.90	12.70	36.67	13.14	36.56	13.36	36.45	13.59	36.23	14.07
	-9.8	-11.0	39.02	12.80	38.77	13.23	38.52	13.67	38.39	13.90	38.27	14.14	38.03	14.62
	-9.5	-10.0	39.98	12.99	39.72	13.42	39.46	13.87	39.33	14.10	39.20	14.34	38.95	14.82
	-8.5	-9.1	40.86	13.23	40.59	13.67	40.32	14.12	40.18	14.35	40.05	14.59	39.79	15.08
	-7.0	-7.6	42.35	13.62	42.06	14.07	41.77	14.53	41.63	14.77	41.49	15.01	41.21	15.51
	-5.0	-5.6	44.39	14.15	44.07	14.61	43.76	15.08	43.61	15.32	43.45	15.57	43.15	16.08
	-3.0	-3.7	46.37	14.46	46.03	14.92	45.70	15.40	45.53	15.64	45.37	15.89	45.04	16.41
	0.0	-0.7	49.58	14.95	49.21	15.42	48.84	15.91	48.66	16.15	48.47	16.41	48.11	16.93
	3.0	2.2	52.31	15.18	51.92	15.66	51.53	16.15	51.33	16.40	51.13	16.65	50.75	17.18
	5.0	4.1	52.80	14.53	52.39	14.98	51.98	15.45	51.78	15.69	51.57	15.93	51.15	16.43
	7.0	6.0	54.46	14.56	54.03	15.02	53.59	15.49	53.37	15.72	53.15	15.97	52.72	16.47
	9.0	7.9	56.53	14.84	56.08	15.30	55.62	15.78	55.39	16.02	55.16	16.27	54.70	16.77
	11.0	9.8	58.64	15.12	58.16	15.59	57.67	16.07	57.45	16.32	57.21	16.57	56.72	17.09
	13.0	11.8	60.89	15.42	60.39	15.90	59.89	16.39	59.63	16.64	59.38	16.90	58.86	17.43
15.0	13.7	63.05	15.71	62.52	16.20	62.00	16.70	61.73	16.96	61.46	17.22	60.92	17.76	
18.0	15.8	65.46	16.05	64.92	16.55	64.36	17.06	64.08	17.32	63.79	17.59	62.96	17.47	
20.0	17.6	67.56	16.34	66.98	16.85	66.40	17.37	66.10	17.64	65.81	17.91	62.96	16.45	
23.0	20.2	70.61	16.79	69.99	17.31	69.35	17.85	69.06	18.12	68.20	17.48	62.96	15.10	
26.0	22.0	72.74	17.11	72.08	17.65	71.45	18.19	70.83	17.69	68.20	16.49	62.96	14.20	
30.0	24.1	75.24	17.50	74.57	18.05	73.45	17.72	70.83	16.51	68.20	15.37	62.96	13.19	
120%	-29.8	-30.0	24.78	9.76	24.66	10.14	24.54	10.54	24.49	10.75	24.44	10.96	24.35	11.41
	-25.0	-25.4	26.08	10.19	25.95	10.57	25.84	10.98	25.78	11.19	25.73	11.41	25.63	11.86
	-19.8	-20.0	28.98	10.57	28.84	10.97	28.71	11.38	28.64	11.60	28.58	11.82	28.48	12.28
	-18.8	-19.0	31.58	10.83	31.42	11.23	31.25	11.65	31.18	11.87	31.10	12.09	30.96	12.55
	-16.7	-17.0	33.27	11.36	33.09	11.77	32.90	12.20	32.82	12.42	32.73	12.64	32.57	13.11
	-13.7	-15.0	35.03	11.98	34.82	12.40	34.62	12.83	34.52	13.06	34.42	13.29	34.24	13.77
	-11.8	-13.0	36.85	12.50	36.62	12.93	36.39	13.37	36.28	13.60	36.17	13.83	35.96	14.32
	-9.8	-11.0	38.72	13.03	38.47	13.47	38.22	13.92	38.10	14.15	37.98	14.39	37.75	14.89
	-9.5	-10.0	39.68	13.23	39.42	13.67	39.16	14.13	39.03	14.36	38.91	14.60	38.66	15.10
	-8.5	-9.1	40.55	13.48	40.28	13.93	40.01	14.39	39.88	14.62	39.75	14.87	39.50	15.37
	-7.0	-7.6	42.04	13.89	41.75	14.34	41.46	14.81	41.32	15.05	41.18	15.30	40.91	15.81
	-5.0	-5.6	44.06	14.43	43.75	14.90	43.44	15.38	43.29	15.63	43.14	15.88	42.84	16.40
	-3.0	-3.7	46.02	14.76	45.69	15.23	45.36	15.72	45.20	15.97	45.04	16.22	44.72	16.75
	0.0	-0.7	49.10	15.27	48.74	15.75	48.40	16.25	48.22	16.50	48.05	16.76	47.70	17.30
	3.0	2.2	51.78	15.52	51.39	16.01	51.00	16.51	50.81	16.76	50.62	17.03	50.24	17.57
	5.0	4.1	52.27	14.86	51.86	15.32	51.45	15.80	51.24	16.04	51.03	16.29	50.62	16.80
	7.0	6.0	53.89	14.91	53.46	15.37	53.02	15.84	52.82	16.09	52.60	16.33	52.16	16.84
	9.0	7.9	55.93	15.20	55.48	15.67	55.03	16.15	54.81	16.40	54.58	16.65	54.11	17.17
	11.0	9.8	58.00	15.50	57.53	15.98	57.06	16.47	56.81	16.72	56.57	16.98	56.08	17.51
	13.0	11.8	60.23	15.82	59.73	16.31	59.22	16.81	58.97	17.07	58.71	17.33	58.11	17.36
15.0	13.7	62.36	16.14	61.83	16.64	61.30	17.15	61.03	17.41	60.76	17.68	58.11	16.31	
18.0	15.8	64.73	16.50	64.17	17.01	63.61	17.53	63.33	17.80	62.96	17.51	58.11	15.20	
20.0	17.6	66.78	16.82	66.20	17.34	65.61	17.87	65.38	17.65	62.96	16.49	58.11	14.29	
23.0	20.2	69.76	17.30	69.13	17.84	67.80	17.32	65.38	16.21	62.96	15.12	58.11	13.06	
26.0	22.0	71.84	17.65	72.64	18.56	67.80	16.31	65.38	15.25	62.96	14.22	58.11	12.27	
30.0	24.1	74.29	18.07	72.64	17.33	67.80	15.22	65.38	14.18	62.96	13.21	58.11	11.48	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.14:18HP heating capacity(continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
110%	-29.8	-30.0	24.60	9.93	24.49	10.31	24.38	10.72	24.32	10.93	24.28	11.15	24.19	11.61
	-25.0	-25.4	25.90	10.37	25.77	10.76	25.66	11.18	25.60	11.39	25.55	11.61	25.46	12.08
	-19.8	-20.0	28.78	10.77	28.64	11.17	28.51	11.60	28.45	11.82	28.39	12.05	28.29	12.52
	-18.8	-19.0	31.34	11.04	31.17	11.45	31.02	11.87	30.94	12.10	30.87	12.32	30.74	12.80
	-16.7	-17.0	33.02	11.59	32.83	12.00	32.66	12.44	32.57	12.66	32.49	12.89	32.34	13.38
	-13.7	-15.0	34.76	12.22	34.56	12.65	34.36	13.09	34.27	13.32	34.17	13.56	33.99	14.05
	-11.8	-13.0	36.57	12.76	36.34	13.19	36.12	13.65	36.02	13.88	35.91	14.12	35.71	14.62
	-9.8	-11.0	38.43	13.31	38.18	13.76	37.94	14.22	37.83	14.46	37.71	14.70	37.49	15.22
	-9.5	-10.0	39.38	13.52	39.13	13.97	38.87	14.43	38.75	14.68	38.63	14.92	38.39	15.44
	-8.5	-9.1	40.25	13.78	39.99	14.23	39.72	14.71	39.60	14.95	39.47	15.20	39.22	15.72
	-7.0	-7.6	41.73	14.21	41.44	14.67	41.16	15.15	41.03	15.39	40.89	15.65	40.63	16.18
	-5.0	-5.6	43.68	14.77	43.38	15.25	43.09	15.74	42.94	15.99	42.80	16.25	42.53	16.80
	-3.0	-3.7	45.56	15.11	45.24	15.59	44.93	16.09	44.77	16.35	44.62	16.61	44.32	17.16
	0.0	-0.7	48.60	15.66	48.24	16.15	47.90	16.65	47.72	16.92	47.55	17.19	47.21	17.74
	3.0	2.2	51.23	15.93	50.84	16.43	50.46	16.94	50.27	17.20	50.08	17.47	49.70	18.03
	5.0	4.1	51.69	15.26	51.29	15.72	50.87	16.21	50.67	16.46	50.47	16.71	50.06	17.24
	7.0	6.0	53.28	15.31	52.85	15.78	52.43	16.27	52.21	16.52	51.99	16.77	51.57	17.30
	9.0	7.9	55.29	15.63	54.85	16.11	54.39	16.60	54.16	16.86	53.93	17.12	53.27	17.08
	11.0	9.8	57.35	15.96	56.86	16.44	56.39	16.95	56.14	17.21	55.91	17.47	53.27	16.04
	13.0	11.8	59.51	16.31	59.01	16.80	58.51	17.32	58.25	17.58	57.71	17.18	53.27	15.02
15.0	13.7	61.59	16.65	61.07	17.16	60.53	17.68	59.93	17.23	57.71	16.15	53.27	14.07	
18.0	15.8	63.91	17.04	63.36	17.56	62.15	17.13	59.93	16.08	57.71	15.06	53.27	13.10	
20.0	17.6	65.92	17.39	66.59	18.24	62.15	16.14	59.93	15.14	57.71	14.15	53.27	12.30	
23.0	20.2	68.82	17.92	66.59	16.75	62.15	14.78	59.93	13.83	57.71	12.92	53.27	11.31	
26.0	22.0	71.03	17.78	66.59	15.76	62.15	13.88	59.93	12.99	57.71	12.13	53.27	10.69	
30.0	24.1	71.03	16.60	66.59	14.70	62.15	12.91	59.93	12.08	57.71	11.35	53.27	9.97	
100%	-29.8	-30.0	24.54	10.10	24.42	10.50	24.32	10.92	24.27	11.13	24.23	11.36	24.15	11.83
	-25.0	-25.4	25.83	10.56	25.71	10.97	25.60	11.40	25.55	11.62	25.50	11.85	25.42	12.33
	-19.8	-20.0	28.70	11.01	28.57	11.43	28.44	11.87	28.39	12.09	28.34	12.33	28.24	12.82
	-18.8	-19.0	31.10	11.29	30.95	11.71	30.80	12.15	30.73	12.38	30.66	12.62	30.54	13.11
	-16.7	-17.0	32.78	11.86	32.60	12.28	32.43	12.73	32.35	12.96	32.27	13.20	32.13	13.71
	-13.7	-15.0	34.51	12.52	34.31	12.95	34.12	13.41	34.03	13.65	33.94	13.90	33.78	14.41
	-11.8	-13.0	36.30	13.08	36.08	13.52	35.87	13.99	35.77	14.23	35.67	14.48	35.48	15.01
	-9.8	-11.0	38.15	13.66	37.91	14.11	37.68	14.59	37.57	14.84	37.46	15.09	37.24	15.63
	-9.5	-10.0	39.07	13.87	38.83	14.33	38.59	14.82	38.48	15.07	38.36	15.32	38.15	15.86
	-8.5	-9.1	39.90	14.14	39.65	14.61	39.40	15.10	39.28	15.35	39.17	15.61	38.94	16.15
	-7.0	-7.6	41.31	14.58	41.04	15.06	40.78	15.56	40.65	15.81	40.52	16.08	40.28	16.63
	-5.0	-5.6	43.22	15.18	42.93	15.67	42.65	16.18	42.51	16.44	42.36	16.71	42.09	17.28
	-3.0	-3.7	45.07	15.54	44.76	16.04	44.45	16.55	44.30	16.82	44.15	17.09	43.86	17.66
	0.0	-0.7	48.06	16.12	47.71	16.63	47.37	17.16	47.20	17.43	47.03	17.71	46.70	18.29
	3.0	2.2	50.63	16.43	50.26	16.94	49.88	17.47	49.69	17.75	49.50	18.03	48.43	17.64
	5.0	4.1	51.07	15.73	50.66	16.22	53.71	17.79	50.06	16.98	49.86	17.24	48.43	16.61
	7.0	6.0	52.63	15.81	52.20	16.29	56.50	18.10	51.56	17.05	51.35	17.31	48.43	15.61
	9.0	7.9	54.61	16.15	54.15	16.65	56.50	17.68	54.48	17.72	52.46	16.68	48.43	14.63
	11.0	9.8	56.60	16.51	56.13	17.01	56.50	17.17	54.48	16.67	52.46	15.66	48.43	13.75
	13.0	11.8	58.72	16.89	58.22	17.40	56.50	16.57	54.48	15.60	52.46	14.66	48.43	12.82
15.0	13.7	60.75	17.27	60.54	17.50	56.50	15.57	54.48	14.63	52.46	13.74	48.43	12.00	
18.0	15.8	63.01	17.70	60.54	16.35	56.50	14.50	54.48	13.61	52.46	12.78	48.43	11.24	
20.0	17.6	64.57	17.25	60.54	15.39	56.50	13.62	54.48	12.78	52.46	11.98	48.43	10.63	
23.0	20.2	64.57	15.81	60.54	14.08	56.50	12.45	54.48	11.71	52.46	11.04	48.43	9.77	
26.0	22.0	64.57	14.89	60.54	13.22	56.50	11.71	54.48	11.07	52.46	10.42	48.43	9.18	
30.0	24.1	64.57	13.83	60.54	12.27	56.50	10.95	54.48	10.33	52.46	9.72	48.43	8.51	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.14:18HP heating capacity(continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
90%	-29.8	-30.0	24.00	10.02	23.89	10.42	23.79	10.86	23.74	11.08	23.70	11.32	23.62	11.81
	-25.0	-25.4	25.27	10.59	25.15	11.01	25.04	11.45	24.99	11.68	24.95	11.92	24.87	12.42
	-19.8	-20.0	28.08	11.32	27.95	11.75	27.83	12.20	27.77	12.44	27.72	12.69	27.63	13.20
	-18.8	-19.0	30.89	11.61	30.74	12.04	30.61	12.50	30.54	12.74	30.48	12.99	30.38	13.50
	-16.7	-17.0	32.55	12.20	32.38	12.64	32.23	13.11	32.15	13.35	32.08	13.60	31.95	14.13
	-13.7	-15.0	34.27	12.89	34.08	13.34	33.91	13.82	33.82	14.07	33.74	14.33	33.59	14.86
	-11.8	-13.0	35.99	13.47	35.79	13.94	35.59	14.42	35.50	14.68	35.41	14.94	35.24	15.49
	-9.8	-11.0	37.76	14.08	37.53	14.55	37.32	15.05	37.21	15.31	37.11	15.58	36.92	16.14
	-9.5	-10.0	38.66	14.31	38.42	14.78	38.19	15.29	38.09	15.55	37.98	15.82	37.77	16.38
	-8.5	-9.1	39.47	14.59	39.23	15.08	38.99	15.58	38.88	15.85	38.77	16.12	38.55	16.69
	-7.0	-7.6	40.86	15.06	40.60	15.55	40.34	16.07	40.22	16.34	40.10	16.62	39.86	17.20
	-5.0	-5.6	42.73	15.69	42.45	16.19	42.17	16.73	42.04	17.00	41.91	17.29	41.65	17.88
	-3.0	-3.7	44.55	16.08	44.24	16.60	43.95	17.14	43.80	17.42	43.65	17.70	43.59	18.12
	0.0	-0.7	47.47	16.71	47.13	17.24	46.80	17.79	46.63	18.08	47.22	18.59	43.59	16.51
	3.0	2.2	49.99	17.06	49.62	17.59	49.24	18.14	49.03	17.99	47.22	16.98	43.59	15.03
	5.0	4.1	50.39	16.33	49.99	16.83	49.59	17.35	49.03	16.93	47.22	15.97	43.59	14.12
	7.0	6.0	51.90	16.42	51.49	16.92	50.85	16.86	49.03	15.92	47.22	15.01	43.59	13.24
	9.0	7.9	53.82	16.81	54.48	17.68	50.85	15.84	49.03	15.01	47.22	14.07	43.59	12.32
	11.0	9.8	55.77	17.20	54.48	16.65	50.85	14.87	49.03	14.03	47.22	13.16	43.59	11.50
	13.0	11.8	58.11	17.33	54.48	15.58	50.85	13.90	49.03	13.09	47.22	12.30	43.59	10.85
15.0	13.7	58.11	16.28	54.48	14.62	50.85	13.01	49.03	12.25	47.22	11.54	43.59	10.20	
18.0	15.8	58.11	15.19	54.48	13.60	50.85	12.08	49.03	11.44	47.22	10.82	43.59	9.65	
20.0	17.6	58.11	14.28	54.48	12.78	50.85	11.40	49.03	10.82	47.22	10.23	43.59	9.09	
23.0	20.2	58.11	13.04	54.48	11.68	50.85	10.51	49.03	9.94	47.22	9.38	43.59	8.32	
26.0	22.0	58.11	12.23	54.48	11.02	50.85	9.91	49.03	9.36	47.22	8.82	43.59	7.78	
30.0	24.1	58.11	11.43	54.48	10.30	50.85	9.20	49.03	8.67	47.22	8.17	43.59	7.28	
80%	-29.8	-30.0	23.48	10.46	23.37	10.89	23.27	11.35	23.23	11.59	23.19	11.84	23.11	12.36
	-25.0	-25.4	24.72	11.03	24.60	11.47	24.50	11.94	24.45	12.18	24.41	12.44	24.33	12.97
	-19.8	-20.0	27.47	11.72	27.34	12.17	27.22	12.65	27.17	12.90	27.12	13.16	27.03	13.71
	-18.8	-19.0	30.69	12.02	30.56	12.48	30.44	12.96	30.39	13.22	30.34	13.48	30.25	14.03
	-16.7	-17.0	32.28	12.64	32.13	13.11	31.99	13.60	31.93	13.86	31.87	14.12	31.76	14.68
	-13.7	-15.0	33.92	13.36	33.75	13.84	33.59	14.34	33.51	14.61	33.44	14.88	33.31	15.45
	-11.8	-13.0	35.61	13.98	35.41	14.47	35.23	14.98	35.15	15.25	35.07	15.53	34.91	16.12
	-9.8	-11.0	37.34	14.62	37.12	15.12	36.92	15.65	36.82	15.92	36.73	16.21	36.55	16.81
	-9.5	-10.0	38.22	14.87	37.99	15.37	37.78	15.90	37.68	16.18	37.58	16.47	37.39	17.07
	-8.5	-9.1	39.02	15.17	38.79	15.68	38.56	16.22	38.45	16.50	38.35	16.79	38.74	17.60
	-7.0	-7.6	40.37	15.67	40.12	16.19	39.88	16.74	39.76	17.03	39.65	17.32	38.74	17.01
	-5.0	-5.6	42.20	16.35	41.93	16.88	41.67	17.45	41.54	17.75	41.97	18.18	38.74	16.24
	-3.0	-3.7	43.98	16.78	43.68	17.33	43.40	17.90	43.59	18.09	41.97	17.14	38.74	15.30
	0.0	-0.7	46.82	17.48	46.49	18.04	45.20	17.39	43.59	16.49	41.97	15.59	38.74	13.88
	3.0	2.2	49.26	17.87	48.43	17.60	45.20	15.86	43.59	15.01	41.97	14.18	38.74	12.59
	5.0	4.1	49.62	17.10	48.43	16.57	45.20	14.90	43.59	14.09	41.97	13.31	38.74	11.79
	7.0	6.0	51.66	17.22	48.43	15.57	45.20	13.99	43.59	13.21	41.97	12.41	38.74	10.93
	9.0	7.9	51.66	16.19	48.43	14.60	45.20	13.05	43.59	12.32	41.97	11.60	38.74	10.34
	11.0	9.8	51.66	15.19	48.43	13.71	45.20	12.19	43.59	11.48	41.97	10.86	38.74	9.71
	13.0	11.8	51.66	14.21	48.43	12.78	45.20	11.41	43.59	10.81	41.97	10.26	38.74	9.10
15.0	13.7	51.66	13.32	48.43	11.97	45.20	10.88	43.59	10.26	41.97	9.61	38.74	8.53	
18.0	15.8	51.66	12.37	48.43	11.18	45.20	10.14	43.59	9.63	41.97	9.14	38.74	8.16	
20.0	17.6	51.66	11.63	48.43	10.57	45.20	9.56	43.59	9.07	41.97	8.60	38.74	7.67	
23.0	20.2	51.66	10.71	48.43	9.71	45.20	8.76	43.59	8.30	41.97	7.82	38.74	7.11	
26.0	22.0	51.66	10.10	48.43	9.13	45.20	8.21	43.59	7.75	41.97	7.38	38.74	6.74	
30.0	24.1	51.66	9.39	48.43	8.46	45.20	7.57	43.59	7.26	41.97	6.93	38.74	6.21	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.14:18HP heating capacity(continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
70%	-29.8	-30.0	22.97	11.05	22.87	11.50	22.77	12.00	22.72	12.33	22.68	13.13	22.61	15.06
	-25.0	-25.4	24.18	11.62	24.07	12.09	23.97	12.59	23.92	12.91	23.88	13.58	23.80	15.09
	-19.8	-20.0	26.87	12.25	26.74	12.74	26.63	13.25	26.58	13.52	26.53	13.80	26.44	14.40
	-18.8	-19.0	30.39	12.57	30.28	13.06	30.18	13.58	30.14	13.85	30.10	14.14	30.04	14.74
	-16.7	-17.0	31.95	13.23	31.81	13.73	31.69	14.26	31.64	14.54	31.59	14.83	31.51	15.43
	-13.7	-15.0	33.55	14.00	33.40	14.51	33.26	15.06	33.19	15.34	33.13	15.64	33.03	16.26
	-11.8	-13.0	35.20	14.66	35.02	15.19	34.86	15.75	34.79	16.04	34.72	16.34	33.90	16.09
	-9.8	-11.0	36.89	15.36	36.69	15.90	36.51	16.47	36.42	16.77	36.72	17.11	33.90	15.39
	-9.5	-10.0	37.74	15.63	37.54	16.17	37.34	16.75	37.25	17.05	36.72	16.65	33.90	14.97
	-8.5	-9.1	38.52	15.96	38.31	16.51	38.10	17.10	38.14	17.18	36.72	16.34	33.90	14.67
	-7.0	-7.6	39.84	16.50	39.60	17.07	39.55	17.47	38.14	16.61	36.72	15.78	33.90	14.14
	-5.0	-5.6	41.62	17.25	41.36	17.83	39.55	16.67	38.14	15.85	36.72	15.03	33.90	13.45
	-3.0	-3.7	43.33	17.73	42.38	17.33	39.55	15.71	38.14	14.93	36.72	14.15	33.90	12.64
	0.0	-0.7	45.20	17.32	42.38	15.76	39.55	14.25	38.14	13.52	36.72	12.81	33.90	11.40
	3.0	2.2	45.20	15.78	42.38	14.34	39.55	12.94	38.14	12.26	36.72	11.60	33.90	10.46
	5.0	4.1	45.20	14.82	42.38	13.45	39.55	12.13	38.14	11.48	36.72	10.94	33.90	9.90
	7.0	6.0	45.20	13.90	42.38	12.60	39.55	11.24	38.14	10.67	36.72	10.12	33.90	9.07
	9.0	7.9	45.20	12.97	42.38	11.69	39.55	10.58	38.14	10.08	36.72	9.61	33.90	8.67
	11.0	9.8	45.20	12.19	42.38	10.97	39.55	9.96	38.14	9.49	36.72	9.02	33.90	8.10
	13.0	11.8	45.20	11.35	42.38	10.31	39.55	9.33	38.14	8.87	36.72	8.41	33.90	7.58
15.0	13.7	45.20	10.77	42.38	9.71	39.55	8.76	38.14	8.32	36.72	7.88	33.90	7.06	
18.0	15.8	45.20	10.09	42.38	9.21	39.55	8.37	38.14	7.98	36.72	7.50	33.90	6.66	
20.0	17.6	45.20	9.51	42.38	8.67	39.55	7.85	38.14	7.50	36.72	7.20	33.90	6.36	
23.0	20.2	45.20	8.69	42.38	7.90	39.55	7.23	38.14	6.96	36.72	6.67	33.90	6.12	
26.0	22.0	45.20	8.14	42.38	7.41	39.55	6.86	38.14	6.59	36.72	6.32	33.90	5.79	
30.0	24.1	45.20	7.52	42.38	6.96	39.55	6.41	38.14	6.06	36.72	5.71	33.90	5.06	
60%	-29.8	-30.0	22.47	11.56	22.37	12.97	22.27	14.72	22.23	15.49	22.19	16.11	22.12	16.15
	-25.0	-25.4	23.66	12.22	23.55	13.41	23.45	14.79	23.40	15.37	23.36	15.82	23.28	15.66
	-19.8	-20.0	26.28	13.01	26.16	13.55	26.05	14.12	26.00	14.42	25.95	14.74	25.87	15.07
	-18.8	-19.0	30.09	13.36	30.01	13.90	29.94	14.48	29.91	14.78	29.89	15.10	29.06	14.80
	-16.7	-17.0	31.61	14.08	31.50	14.63	31.41	15.22	31.37	15.53	31.48	15.72	29.06	14.24
	-13.7	-15.0	33.16	14.92	33.04	15.49	32.93	16.09	32.69	15.97	31.48	15.21	29.06	13.74
	-11.8	-13.0	34.76	15.65	34.61	16.24	33.90	16.02	32.69	15.28	31.48	14.57	29.06	13.13
	-9.8	-11.0	36.39	16.42	36.32	16.78	33.90	15.33	32.69	14.61	31.48	13.91	29.06	12.52
	-9.5	-10.0	37.22	16.73	36.32	16.33	33.90	14.89	32.69	14.20	31.48	13.51	29.06	12.16
	-8.5	-9.1	38.74	17.45	36.32	16.00	33.90	14.59	32.69	13.91	31.48	13.23	29.06	11.88
	-7.0	-7.6	38.74	16.87	36.32	15.47	33.90	14.09	32.69	13.42	31.48	12.75	29.06	11.43
	-5.0	-5.6	38.74	16.10	36.32	14.72	33.90	13.40	32.69	12.74	31.48	12.09	29.06	10.89
	-3.0	-3.7	38.74	15.16	36.32	13.85	33.90	12.58	32.69	11.94	31.48	11.33	29.06	10.29
	0.0	-0.7	38.74	13.75	36.32	12.52	33.90	11.35	32.69	10.86	31.48	10.38	29.06	9.42
	3.0	2.2	38.74	12.47	36.32	11.35	33.90	10.41	32.69	9.97	31.48	9.51	29.06	8.63
	5.0	4.1	38.74	11.66	36.32	10.73	33.90	9.83	32.69	9.41	31.48	8.99	29.06	8.15
	7.0	6.0	38.74	10.83	36.32	9.89	33.90	9.03	32.69	8.59	31.48	8.17	29.06	7.33
	9.0	7.9	38.74	10.22	36.32	9.42	33.90	8.63	32.69	8.25	31.48	7.90	29.06	7.19
	11.0	9.8	38.74	9.59	36.32	8.81	33.90	8.06	32.69	7.70	31.48	7.37	29.06	6.70
	13.0	11.8	38.74	9.03	36.32	8.21	33.90	7.52	32.69	7.18	31.48	6.85	29.06	6.23
15.0	13.7	38.74	8.42	36.32	7.70	33.90	7.00	32.69	6.74	31.48	6.47	29.06	5.89	
18.0	15.8	38.74	8.05	36.32	7.25	33.90	6.60	32.69	6.31	31.48	6.02	29.06	5.50	
20.0	17.6	38.74	7.56	36.32	7.07	33.90	6.30	32.69	6.01	31.48	5.72	29.06	5.20	
23.0	20.2	38.74	7.00	36.32	6.53	33.90	6.07	32.69	5.75	31.48	5.43	29.06	4.82	
26.0	22.0	38.74	6.63	36.32	6.18	33.90	5.74	32.69	5.54	31.48	5.32	29.06	4.91	
30.0	24.1	38.74	6.22	36.32	5.58	33.90	5.08	32.69	4.77	31.48	4.55	29.06	4.14	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.14:18HP heating capacity(continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50%	-29.8	-30.0	21.98	15.36	21.88	16.30	21.79	15.51	21.75	14.88	21.71	14.21	20.70	12.84
	-25.0	-25.4	23.14	15.21	23.03	15.87	22.94	15.03	22.89	14.41	22.85	13.76	21.79	12.45
	-19.8	-20.0	25.71	14.21	25.59	14.83	25.48	14.47	25.43	13.86	25.39	13.25	24.21	12.03
	-18.8	-19.0	29.82	14.60	30.27	15.43	28.25	14.20	27.24	13.60	26.23	12.99	24.21	11.79
	-16.7	-17.0	31.28	15.42	30.27	14.86	28.25	13.65	27.24	13.06	26.23	12.47	24.21	11.29
	-13.7	-15.0	32.29	15.58	30.27	14.38	28.25	13.18	27.24	12.59	26.23	12.01	24.21	10.87
	-11.8	-13.0	32.29	14.91	30.27	13.73	28.25	12.59	27.24	12.01	26.23	11.45	24.21	10.35
	-9.8	-11.0	32.29	14.26	30.27	13.12	28.25	11.99	27.24	11.43	26.23	10.88	24.21	9.92
	-9.5	-10.0	32.29	13.86	30.27	12.74	28.25	11.63	27.24	11.09	26.23	10.58	24.21	9.66
	-8.5	-9.1	32.29	13.56	30.27	12.45	28.25	11.38	27.24	10.83	26.23	10.37	24.21	9.48
	-7.0	-7.6	32.29	13.07	30.27	11.99	28.25	10.93	27.24	10.48	26.23	10.05	24.21	9.17
	-5.0	-5.6	32.29	12.41	30.27	11.37	28.25	10.46	27.24	10.03	26.23	9.60	24.21	8.76
	-3.0	-3.7	32.29	11.64	30.27	10.72	28.25	9.89	27.24	9.48	26.23	9.08	24.21	8.27
	0.0	-0.7	32.29	10.60	30.27	9.81	28.25	9.05	27.24	8.67	26.23	8.30	24.21	7.58
	3.0	2.2	32.29	9.71	30.27	8.99	28.25	8.29	27.24	7.95	26.23	7.62	24.21	7.06
	5.0	4.1	32.29	9.18	30.27	8.49	28.25	7.82	27.24	7.42	26.23	7.04	24.21	6.43
	7.0	6.0	32.29	8.37	30.27	7.69	28.25	7.05	27.24	6.79	26.23	6.49	24.21	5.97
	9.0	7.9	32.29	8.06	30.27	7.47	28.25	6.89	27.24	6.61	26.23	6.33	24.21	5.80
	11.0	9.8	32.29	7.49	30.27	6.92	28.25	6.39	27.24	6.14	26.23	5.88	24.21	5.41
	13.0	11.8	32.29	6.97	30.27	6.43	28.25	5.99	27.24	5.75	26.23	5.51	24.21	5.08
15.0	13.7	32.29	6.55	30.27	6.11	28.25	5.65	27.24	5.42	26.23	5.20	24.21	4.77	
18.0	15.8	32.29	6.15	30.27	5.68	28.25	5.28	27.24	5.09	26.23	4.88	24.21	4.48	
20.0	17.6	32.29	5.84	30.27	5.40	28.25	4.98	27.24	4.79	26.23	4.62	24.21	4.28	
23.0	20.2	32.29	5.59	30.27	5.08	28.25	4.63	27.24	4.42	26.23	4.20	24.21	3.85	
26.0	22.0	32.29	5.38	30.27	5.05	28.25	4.72	27.24	4.56	26.23	4.39	24.21	3.84	
30.0	24.1	32.29	4.63	30.27	4.27	28.25	3.96	27.24	3.80	26.23	3.68	24.21	3.44	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table2-8.15:20HP heating capacity

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
130%	-29.8	-30.0	29.98	11.14	29.81	11.60	29.64	12.08	29.55	12.33	29.47	12.59	29.33	13.13
	-25.0	-25.4	31.56	11.72	31.38	12.19	31.20	12.68	31.11	12.93	31.03	13.19	30.87	13.74
	-19.8	-20.0	35.07	12.40	34.86	12.88	34.66	13.38	34.57	13.64	34.47	13.91	34.30	14.47
	-18.8	-19.0	38.39	12.72	38.15	13.20	37.91	13.71	37.79	13.97	37.68	14.23	37.46	14.79
	-16.7	-17.0	40.39	13.36	40.12	13.85	39.85	14.36	39.72	14.62	39.60	14.89	39.36	15.46
	-13.7	-15.0	42.45	14.10	42.16	14.60	41.87	15.12	41.73	15.39	41.59	15.67	41.32	16.24
	-11.8	-13.0	44.59	14.73	44.27	15.23	43.96	15.76	43.81	16.04	43.65	16.32	43.36	16.90
	-9.8	-11.0	46.79	15.37	46.45	15.88	46.11	16.42	45.95	16.70	45.78	16.99	45.46	17.58
	-9.5	-10.0	47.91	15.61	47.55	16.13	47.21	16.67	47.04	16.95	46.87	17.24	46.53	17.83
	-8.5	-9.1	48.93	15.91	48.57	16.44	48.21	16.98	48.03	17.27	47.86	17.56	47.51	18.16
	-7.0	-7.6	50.67	16.40	50.28	16.93	49.91	17.49	49.72	17.78	49.53	18.07	49.16	18.68
	-5.0	-5.6	53.03	17.06	52.63	17.60	52.21	18.17	52.02	18.47	51.82	18.77	51.42	19.39
	-3.0	-3.7	55.35	17.46	54.90	18.01	54.48	18.58	54.26	18.88	54.04	19.18	53.62	19.81
	0.0	-0.7	59.07	18.09	58.60	18.65	58.12	19.23	57.89	19.53	57.64	19.84	57.20	20.48
	3.0	2.2	62.29	18.40	61.76	18.96	61.27	19.55	61.02	19.85	60.77	20.16	60.27	20.80
	5.0	4.1	62.97	17.60	62.44	18.13	61.92	18.69	61.65	18.97	61.39	19.26	60.86	19.86
	7.0	6.0	64.94	17.65	64.39	18.19	63.83	18.74	63.56	19.02	63.28	19.31	62.72	19.91
	9.0	7.9	67.33	18.01	66.75	18.56	66.17	19.12	65.90	19.40	65.58	19.70	65.00	20.31
	11.0	9.8	69.78	18.38	69.15	18.93	68.55	19.50	68.24	19.79	67.93	20.09	67.32	20.71
	13.0	11.8	72.36	18.77	71.74	19.33	71.11	19.91	70.78	20.21	70.46	20.52	70.20	20.78
15.0	13.7	74.87	19.16	74.20	19.73	73.51	20.32	73.20	20.62	72.84	20.93	70.20	19.35	
18.0	15.8	77.65	19.60	76.95	20.18	76.25	20.78	75.90	21.09	76.05	21.05	70.20	17.82	
20.0	17.6	80.02	19.99	79.30	20.58	78.57	21.19	78.97	21.31	76.05	19.66	70.20	16.56	
23.0	20.2	83.55	20.57	83.20	20.96	81.90	20.85	78.97	19.29	76.05	17.76	70.20	14.91	
26.0	22.0	93.60	17.36	85.75	21.39	81.90	19.47	78.97	17.96	76.05	16.51	70.20	14.02	
30.0	24.1	94.95	18.55	88.68	21.80	81.90	17.95	78.97	16.52	76.05	15.16	70.20	13.04	
120%	-29.8	-30.0	29.59	11.18	29.42	11.64	29.26	12.13	29.18	12.39	29.10	12.65	28.97	13.20
	-25.0	-25.4	31.15	11.81	30.97	12.28	30.80	12.78	30.72	13.04	30.64	13.31	30.49	13.86
	-19.8	-20.0	34.61	12.61	34.41	13.10	34.22	13.61	34.13	13.87	34.04	14.15	33.88	14.71
	-18.8	-19.0	38.06	12.93	37.82	13.42	37.59	13.94	37.48	14.20	37.37	14.48	37.16	15.05
	-16.7	-17.0	40.05	13.59	39.78	14.09	39.52	14.61	39.40	14.88	39.28	15.15	39.04	15.73
	-13.7	-15.0	42.10	14.35	41.81	14.85	41.53	15.38	41.39	15.66	41.26	15.94	41.00	16.53
	-11.8	-13.0	44.23	14.99	43.91	15.51	43.61	16.05	43.46	16.33	43.31	16.61	43.02	17.21
	-9.8	-11.0	46.42	15.65	46.08	16.18	45.75	16.73	45.59	17.01	45.42	17.31	45.11	17.91
	-9.5	-10.0	47.53	15.90	47.18	16.43	46.84	16.99	46.67	17.27	46.50	17.56	46.17	18.18
	-8.5	-9.1	48.55	16.21	48.19	16.75	47.84	17.31	47.66	17.60	47.49	17.89	47.15	18.51
	-7.0	-7.6	50.28	16.72	49.89	17.26	49.52	17.83	49.33	18.12	49.15	18.43	48.79	19.05
	-5.0	-5.6	52.62	17.40	52.21	17.96	51.82	18.54	51.62	18.84	51.42	19.15	51.03	19.79
	-3.0	-3.7	54.91	17.82	54.49	18.38	54.05	18.97	53.84	19.27	53.63	19.58	53.22	20.23
	0.0	-0.7	58.49	18.47	58.03	19.05	57.58	19.65	57.35	19.96	57.14	20.27	56.69	20.93
	3.0	2.2	61.64	18.80	61.14	19.38	60.63	19.98	60.39	20.29	60.14	20.61	59.65	21.27
	5.0	4.1	62.30	17.99	61.78	18.53	61.25	19.10	60.99	19.39	60.73	19.69	60.21	20.30
	7.0	6.0	64.24	18.05	63.69	18.60	63.14	19.16	62.86	19.45	62.59	19.75	62.03	20.36
	9.0	7.9	66.59	18.44	66.01	18.99	65.43	19.56	65.14	19.86	64.85	20.16	64.80	20.57
	11.0	9.8	69.00	18.83	68.40	19.39	67.78	19.97	67.49	20.27	67.19	20.58	64.80	19.17
	13.0	11.8	71.56	19.25	70.93	19.82	70.29	20.41	69.97	20.72	70.20	20.77	64.80	17.74
15.0	13.7	74.00	19.66	73.34	20.24	72.68	20.84	72.90	20.89	70.20	19.34	64.80	16.44	
18.0	15.8	76.73	20.12	76.04	20.72	75.60	20.78	72.90	19.26	70.20	17.81	64.80	15.08	
20.0	17.6	79.09	20.54	78.37	21.15	75.60	19.39	72.90	17.98	70.20	16.60	64.80	14.13	
23.0	20.2	81.68	20.98	81.00	20.34	75.60	17.51	72.90	16.19	70.20	14.92	64.80	12.95	
26.0	22.0	84.21	21.41	81.00	18.96	75.60	16.30	72.90	15.02	70.20	14.01	64.80	12.17	
30.0	24.1	84.21	19.55	81.00	17.48	75.60	14.92	72.90	13.96	70.20	13.05	64.80	11.29	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.15:20HP heating capacity(continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110%	-29.8	-30.0	29.34	11.38	29.18	11.85	29.02	12.35	28.95	12.61	28.87	12.88	28.74	13.45
	-25.0	-25.4	30.89	12.03	30.71	12.51	30.55	13.02	30.47	13.29	30.39	13.56	30.26	14.13
	-19.8	-20.0	34.32	12.86	34.13	13.36	33.94	13.88	33.85	14.15	33.77	14.43	33.62	15.01
	-18.8	-19.0	37.75	13.19	37.51	13.69	37.29	14.21	37.18	14.49	37.08	14.77	36.88	15.36
	-16.7	-17.0	39.72	13.86	39.46	14.37	39.21	14.90	39.09	15.18	38.98	15.46	38.75	16.06
	-13.7	-15.0	41.77	14.64	41.48	15.16	41.21	15.71	41.07	15.99	40.95	16.28	40.69	16.89
	-11.8	-13.0	43.88	15.31	43.57	15.84	43.27	16.39	43.12	16.68	42.98	16.97	42.71	17.59
	-9.8	-11.0	46.05	15.99	45.72	16.53	45.40	17.10	45.24	17.39	45.08	17.69	44.77	18.32
	-9.5	-10.0	47.16	16.25	46.82	16.80	46.48	17.36	46.32	17.66	46.15	17.96	45.83	18.59
	-8.5	-9.1	48.17	16.58	47.81	17.12	47.47	17.70	47.30	18.00	47.13	18.30	46.80	18.94
	-7.0	-7.6	49.89	17.10	49.51	17.66	49.15	18.24	48.96	18.55	48.78	18.86	48.44	19.51
	-5.0	-5.6	52.14	17.81	51.76	18.38	51.37	18.98	51.19	19.29	51.00	19.61	50.64	20.28
	-3.0	-3.7	54.32	18.24	53.91	18.82	53.50	19.43	53.30	19.74	53.11	20.06	52.72	20.73
	0.0	-0.7	57.86	18.93	57.41	19.52	56.97	20.14	56.75	20.46	56.53	20.79	56.09	21.47
	3.0	2.2	60.96	19.29	60.45	19.89	59.96	20.51	59.72	20.83	59.48	21.15	59.40	21.59
	5.0	4.1	61.59	18.45	61.09	19.01	60.57	19.59	60.31	19.89	60.03	20.20	59.40	20.14
	7.0	6.0	63.49	18.54	62.94	19.09	62.40	19.67	62.12	19.97	61.85	20.28	59.40	18.77
	9.0	7.9	65.81	18.94	65.24	19.51	64.65	20.10	64.36	20.41	64.35	20.30	59.40	17.45
	11.0	9.8	68.17	19.36	67.57	19.94	66.96	20.54	66.82	20.31	64.35	18.89	59.40	16.17
	13.0	11.8	70.67	19.81	70.04	20.40	69.30	20.23	66.82	18.83	64.35	17.47	59.40	14.92
15.0	13.7	73.06	20.25	72.41	20.85	69.30	18.81	66.82	17.50	64.35	16.20	59.40	13.92	
18.0	15.8	75.71	20.76	74.25	19.96	69.30	17.32	66.82	16.09	64.35	14.88	59.40	13.00	
20.0	17.6	78.16	21.21	74.25	18.61	69.30	16.11	66.82	14.94	64.35	13.95	59.40	12.23	
23.0	20.2	79.20	19.29	74.25	16.80	69.30	14.49	66.82	13.62	64.35	12.77	59.40	11.16	
26.0	22.0	79.20	17.99	74.25	15.60	69.30	13.66	66.82	12.83	64.35	12.00	59.40	10.45	
30.0	24.1	79.20	16.52	74.25	14.37	69.30	12.69	66.82	11.90	64.35	11.12	59.40	9.64	
100%	-29.8	-30.0	29.12	11.63	28.95	12.11	28.80	12.63	28.73	12.90	28.67	13.17	28.54	13.75
	-25.0	-25.4	30.65	12.30	30.48	12.80	30.32	13.32	30.25	13.59	30.18	13.88	30.05	14.47
	-19.8	-20.0	34.06	13.16	33.87	13.67	33.69	14.21	33.61	14.49	33.53	14.78	33.38	15.39
	-18.8	-19.0	37.46	13.50	37.23	14.02	37.01	14.56	36.91	14.84	36.81	15.13	36.62	15.74
	-16.7	-17.0	39.41	14.20	39.16	14.72	38.92	15.27	38.81	15.56	38.70	15.85	38.48	16.47
	-13.7	-15.0	41.44	15.01	41.17	15.54	40.91	16.10	40.78	16.40	40.65	16.70	40.41	17.33
	-11.8	-13.0	43.54	15.70	43.24	16.24	42.95	16.82	42.81	17.11	42.67	17.42	42.41	18.06
	-9.8	-11.0	45.68	16.41	45.37	16.97	45.06	17.55	44.90	17.86	44.75	18.17	44.47	18.83
	-9.5	-10.0	46.74	16.68	46.42	17.24	46.11	17.83	45.95	18.14	45.80	18.45	45.51	19.11
	-8.5	-9.1	47.71	17.02	47.38	17.59	47.05	18.18	46.89	18.49	46.73	18.81	46.43	19.48
	-7.0	-7.6	49.35	17.56	49.00	18.14	48.65	18.75	48.48	19.06	48.31	19.39	47.98	20.06
	-5.0	-5.6	51.57	18.30	51.19	18.89	50.82	19.52	50.63	19.84	50.46	20.17	50.10	20.86
	-3.0	-3.7	53.71	18.76	53.31	19.36	52.93	19.99	52.73	20.32	52.53	20.65	52.14	21.35
	0.0	-0.7	57.18	19.50	56.76	20.11	56.31	20.75	56.10	21.08	55.88	21.43	54.00	20.29
	3.0	2.2	60.21	19.90	59.72	20.51	59.24	21.15	59.00	21.48	58.50	20.99	54.00	18.22
	5.0	4.1	60.84	19.03	60.32	19.60	59.81	20.21	60.75	20.93	58.50	19.58	54.00	16.96
	7.0	6.0	62.66	19.13	62.11	19.70	63.00	20.30	60.75	19.53	58.50	18.22	54.00	15.72
	9.0	7.9	64.95	19.57	64.38	20.15	63.00	19.45	60.75	18.16	58.50	16.94	54.00	14.56
	11.0	9.8	67.25	20.02	67.50	20.62	63.00	18.09	60.75	16.86	58.50	15.70	54.00	13.62
	13.0	11.8	69.67	20.51	67.50	19.12	63.00	16.71	60.75	15.58	58.50	14.45	54.00	12.76
15.0	13.7	72.00	20.19	67.50	17.77	63.00	15.49	60.75	14.39	58.50	13.55	54.00	11.98	
18.0	15.8	72.00	18.63	67.50	16.36	63.00	14.24	60.75	13.41	58.50	12.63	54.00	11.15	
20.0	17.6	72.00	17.36	67.50	15.18	63.00	13.41	60.75	12.62	58.50	11.89	54.00	10.45	
23.0	20.2	72.00	15.62	67.50	13.79	63.00	12.27	60.75	11.56	58.50	10.84	54.00	9.49	
26.0	22.0	72.00	14.50	67.50	12.97	63.00	11.50	60.75	10.83	58.50	10.13	54.00	8.96	
30.0	24.1	72.00	13.49	67.50	12.03	63.00	10.64	60.75	9.99	58.50	9.34	54.00	8.40	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...



Table2-8.15:20HP heating capacity(continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
90%	-29.8	-30.0	28.48	12.40	28.33	12.92	28.18	13.47	28.11	13.75	28.04	14.05	27.92	14.67
	-25.0	-25.4	29.98	12.94	29.82	13.47	29.66	14.02	29.59	14.31	29.52	14.61	29.39	15.23
	-19.8	-20.0	33.32	13.55	33.13	14.07	32.96	14.63	32.88	14.93	32.80	15.23	32.66	15.86
	-18.8	-19.0	37.18	13.90	36.96	14.43	36.76	15.00	36.66	15.29	36.57	15.59	36.40	16.23
	-16.7	-17.0	39.12	14.63	38.88	15.17	38.65	15.74	38.54	16.04	38.44	16.35	38.24	16.99
	-13.7	-15.0	41.12	15.47	40.86	16.02	40.62	16.61	40.50	16.92	40.38	17.23	40.16	17.90
	-11.8	-13.0	43.12	16.18	42.84	16.75	42.57	17.35	42.44	17.66	42.32	17.99	42.08	18.66
	-9.8	-11.0	45.18	16.93	44.87	17.51	44.58	18.12	44.44	18.44	44.30	18.77	44.04	19.46
	-9.5	-10.0	46.22	17.21	45.91	17.80	45.60	18.41	45.46	18.74	45.31	19.07	45.03	19.76
	-8.5	-9.1	47.17	17.57	46.85	18.16	46.53	18.78	46.38	19.11	46.23	19.44	45.93	20.14
	-7.0	-7.6	48.78	18.14	48.43	18.74	48.10	19.38	47.93	19.71	47.77	20.05	47.46	20.76
	-5.0	-5.6	50.95	18.92	50.59	19.54	50.23	20.19	50.05	20.53	49.87	20.88	48.60	20.25
	-3.0	-3.7	53.06	19.42	52.67	20.05	52.29	20.70	52.09	21.05	52.65	21.56	48.60	18.91
	0.0	-0.7	56.47	20.21	56.03	20.85	56.70	21.96	54.67	20.66	52.65	19.37	48.60	16.91
	3.0	2.2	59.40	20.65	58.92	21.29	56.70	19.77	54.67	18.57	52.65	17.39	48.60	15.09
	5.0	4.1	59.97	19.74	59.46	20.35	56.70	18.44	54.67	17.28	52.65	16.16	48.60	13.99
	7.0	6.0	61.75	19.86	60.75	19.42	56.70	17.14	54.67	16.05	52.65	14.96	48.60	13.14
	9.0	7.9	64.80	20.38	60.75	18.06	56.70	15.90	54.67	14.84	52.65	13.82	48.60	12.16
	11.0	9.8	64.80	18.98	60.75	16.77	56.70	14.71	54.67	13.81	52.65	13.07	48.60	11.40
	13.0	11.8	64.80	17.55	60.75	15.47	56.70	13.67	54.67	12.93	52.65	12.23	48.60	10.70
15.0	13.7	64.80	16.27	60.75	14.32	56.70	12.85	54.67	12.16	52.65	11.46	48.60	10.00	
18.0	15.8	64.80	14.94	60.75	13.34	56.70	11.95	54.67	11.30	52.65	10.67	48.60	9.42	
20.0	17.6	64.80	13.95	60.75	12.55	56.70	11.23	54.67	10.60	52.65	10.00	48.60	8.94	
23.0	20.2	64.80	12.77	60.75	11.46	56.70	10.24	54.67	9.62	52.65	9.12	48.60	8.28	
26.0	22.0	64.80	11.97	60.75	10.73	56.70	9.55	54.67	9.05	52.65	8.63	48.60	7.84	
30.0	24.1	64.80	11.10	60.75	9.90	56.70	8.89	54.67	8.49	52.65	8.09	48.60	7.32	
80%	-29.8	-30.0	27.87	12.86	27.71	13.40	27.57	13.97	27.50	14.27	27.43	14.58	27.32	15.24
	-25.0	-25.4	29.33	13.42	29.17	13.97	29.02	14.55	28.94	14.85	28.88	15.17	28.75	15.84
	-19.8	-20.0	32.59	14.05	32.41	14.60	32.24	15.19	32.16	15.50	32.09	15.82	31.95	16.50
	-18.8	-19.0	36.89	14.41	36.70	14.98	36.52	15.57	36.43	15.88	36.35	16.21	36.21	16.89
	-16.7	-17.0	38.75	15.17	38.53	15.74	38.32	16.35	38.23	16.66	38.14	16.99	37.96	17.68
	-13.7	-15.0	40.66	16.05	40.42	16.63	40.19	17.26	40.08	17.58	39.97	17.92	39.78	18.63
	-11.8	-13.0	42.62	16.81	42.36	17.41	42.11	18.04	41.99	18.37	41.87	18.72	41.64	19.44
	-9.8	-11.0	44.64	17.60	44.35	18.21	44.07	18.86	43.94	19.20	43.81	19.55	43.20	19.52
	-9.5	-10.0	45.66	17.90	45.36	18.52	45.07	19.18	44.93	19.52	44.79	19.87	43.20	18.91
	-8.5	-9.1	46.59	18.28	46.28	18.91	45.98	19.57	45.83	19.91	45.69	20.27	43.20	18.47
	-7.0	-7.6	48.16	18.90	47.83	19.53	47.51	20.21	47.35	20.56	46.80	20.05	43.20	17.70
	-5.0	-5.6	50.30	19.73	49.93	20.39	50.40	21.33	48.60	20.15	46.80	18.97	43.20	16.68
	-3.0	-3.7	52.35	20.27	51.97	20.94	50.40	19.98	48.60	18.82	46.80	17.72	43.20	15.54
	0.0	-0.7	55.65	21.14	54.00	20.07	50.40	17.89	48.60	16.84	46.80	15.80	43.20	13.78
	3.0	2.2	57.60	20.18	54.00	18.05	50.40	16.01	48.60	15.04	46.80	14.08	43.20	12.54
	5.0	4.1	57.60	18.80	54.00	16.78	50.40	14.85	48.60	13.92	46.80	13.18	43.20	11.81
	7.0	6.0	57.60	17.49	54.00	15.56	50.40	13.78	48.60	13.07	46.80	12.39	43.20	10.86
	9.0	7.9	57.60	16.23	54.00	14.41	50.40	12.80	48.60	12.12	46.80	11.41	43.20	10.15
	11.0	9.8	57.60	15.01	54.00	13.45	50.40	12.07	48.60	11.44	46.80	10.69	43.20	9.45
	13.0	11.8	57.60	13.88	54.00	12.59	50.40	11.29	48.60	10.64	46.80	10.03	43.20	8.78
15.0	13.7	57.60	13.02	54.00	11.82	50.40	10.66	48.60	9.99	46.80	9.31	43.20	8.29	
18.0	15.8	57.60	12.13	54.00	11.00	50.40	9.89	48.60	9.34	46.80	8.95	43.20	8.17	
20.0	17.6	57.60	11.41	54.00	10.30	50.40	9.25	48.60	8.86	46.80	8.48	43.20	7.77	
23.0	20.2	57.60	10.37	54.00	9.35	50.40	8.56	48.60	8.20	46.80	7.85	43.20	7.19	
26.0	22.0	57.60	9.69	54.00	8.81	50.40	8.09	48.60	7.76	46.80	7.43	43.20	6.80	
30.0	24.1	57.60	8.95	54.00	8.25	50.40	7.58	48.60	7.25	46.80	6.94	43.20	6.21	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.15:20HP heating capacity(continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
70%	-29.8	-30.0	27.26	13.44	27.11	14.02	26.97	14.63	26.90	14.96	26.84	15.30	26.72	19.72
	-25.0	-25.4	28.69	14.04	28.53	14.62	28.39	15.25	28.32	15.58	28.25	15.92	28.13	16.76
	-19.8	-20.0	31.88	14.71	31.70	15.30	31.54	15.94	31.46	16.27	31.39	16.62	31.25	17.35
	-18.8	-19.0	36.49	15.10	36.31	15.70	36.15	16.34	36.08	16.68	36.01	17.02	35.89	17.76
	-16.7	-17.0	38.30	15.90	38.10	16.52	37.92	17.17	37.84	17.51	37.76	17.86	37.80	18.44
	-13.7	-15.0	40.17	16.84	39.95	17.47	39.74	18.14	39.64	18.49	39.55	18.86	37.80	17.71
	-11.8	-13.0	42.09	17.66	41.84	18.30	41.61	18.99	41.50	19.35	40.95	18.87	37.80	16.80
	-9.8	-11.0	44.05	18.51	43.78	19.17	44.10	19.98	42.53	18.94	40.95	17.91	37.80	15.90
	-9.5	-10.0	45.04	18.84	44.76	19.51	44.10	19.38	42.53	18.34	40.95	17.33	37.80	15.37
	-8.5	-9.1	45.95	19.25	45.65	19.93	44.10	18.93	42.53	17.91	40.95	16.91	37.80	14.97
	-7.0	-7.6	47.47	19.92	47.25	20.19	44.10	18.15	42.53	17.16	40.95	16.18	37.80	14.28
	-5.0	-5.6	50.40	21.12	47.25	19.10	44.10	17.13	42.53	16.18	40.95	15.23	37.80	13.41
	-3.0	-3.7	50.40	19.76	47.25	17.82	44.10	15.95	42.53	15.03	40.95	14.13	37.80	12.62
	0.0	-0.7	50.40	17.73	47.25	15.92	44.10	14.16	42.53	13.39	40.95	12.73	37.80	11.46
	3.0	2.2	50.40	15.84	47.25	14.16	44.10	12.80	42.53	12.19	40.95	11.59	37.80	10.44
	5.0	4.1	50.40	14.67	47.25	13.23	44.10	12.03	42.53	11.47	40.95	10.91	37.80	9.81
	7.0	6.0	50.40	13.62	47.25	12.44	44.10	11.13	42.53	10.53	40.95	9.94	37.80	8.86
	9.0	7.9	50.40	12.67	47.25	11.47	44.10	10.34	42.53	9.81	40.95	9.30	37.80	8.38
	11.0	9.8	50.40	11.94	47.25	10.76	44.10	9.65	42.53	9.14	40.95	8.66	37.80	7.84
	13.0	11.8	50.40	11.16	47.25	10.03	44.10	9.02	42.53	8.52	40.95	8.13	37.80	7.39
15.0	13.7	50.40	10.53	47.25	9.41	44.10	8.43	42.53	8.04	40.95	7.67	37.80	7.02	
18.0	15.8	50.40	9.74	47.25	8.93	44.10	8.27	42.53	7.97	40.95	7.42	37.80	6.61	
20.0	17.6	50.40	9.13	47.25	8.48	44.10	7.85	42.53	7.56	40.95	7.26	37.80	6.35	
23.0	20.2	50.40	8.44	47.25	7.83	44.10	7.26	42.53	6.97	40.95	6.71	37.80	6.18	
26.0	22.0	50.40	7.98	47.25	7.41	44.10	6.85	42.53	6.61	40.95	6.34	37.80	5.83	
30.0	24.1	50.40	7.47	47.25	6.93	44.10	6.41	42.53	6.02	40.95	5.57	37.80	4.95	
60%	-29.8	-30.0	26.67	14.28	26.52	14.91	26.38	15.69	26.31	15.80	26.25	16.31	26.14	16.93
	-25.0	-25.4	28.07	14.93	27.91	15.57	27.77	16.32	27.70	16.59	27.64	16.64	27.52	16.37
	-19.8	-20.0	31.19	15.65	31.01	16.31	30.85	17.01	30.78	17.38	30.71	16.97	30.57	15.90
	-18.8	-19.0	36.07	16.08	35.92	16.74	35.79	17.45	36.45	18.18	35.10	17.30	32.40	15.54
	-16.7	-17.0	37.83	16.95	37.66	17.63	37.80	18.27	36.45	17.38	35.10	16.52	32.40	14.79
	-13.7	-15.0	39.64	17.98	39.45	18.68	37.80	17.55	36.45	16.67	35.10	15.81	32.40	14.12
	-11.8	-13.0	41.50	18.88	40.50	18.38	37.80	16.64	36.45	15.81	35.10	14.96	32.40	13.31
	-9.8	-11.0	43.20	19.15	40.50	17.43	37.80	15.75	36.45	14.93	35.10	14.11	32.40	12.57
	-9.5	-10.0	43.20	18.56	40.50	16.86	37.80	15.22	36.45	14.41	35.10	13.61	32.40	12.21
	-8.5	-9.1	43.20	18.12	40.50	16.45	37.80	14.83	36.45	14.03	35.10	13.25	32.40	11.96
	-7.0	-7.6	43.20	17.36	40.50	15.75	37.80	14.16	36.45	13.37	35.10	12.71	32.40	11.53
	-5.0	-5.6	43.20	16.38	40.50	14.79	37.80	13.28	36.45	12.69	35.10	12.11	32.40	10.96
	-3.0	-3.7	43.20	15.21	40.50	13.73	37.80	12.51	36.45	11.94	35.10	11.38	32.40	10.31
	0.0	-0.7	43.20	13.50	40.50	12.39	37.80	11.34	36.45	10.83	35.10	10.33	32.40	9.34
	3.0	2.2	43.20	12.28	40.50	11.28	37.80	10.33	36.45	9.84	35.10	9.40	32.40	8.65
	5.0	4.1	43.20	11.54	40.50	10.61	37.80	9.68	36.45	9.24	35.10	8.91	32.40	8.23
	7.0	6.0	43.20	10.67	40.50	9.66	37.80	8.76	36.45	8.42	35.10	8.07	32.40	7.42
	9.0	7.9	43.20	9.88	40.50	9.07	37.80	8.25	36.45	7.90	35.10	7.56	32.40	6.92
	11.0	9.8	43.20	9.22	40.50	8.40	37.80	7.74	36.45	7.43	35.10	7.12	32.40	6.53
	13.0	11.8	43.20	8.56	40.50	7.91	37.80	7.30	36.45	6.99	35.10	6.71	32.40	6.14
15.0	13.7	43.20	8.09	40.50	7.48	37.80	6.90	36.45	6.65	35.10	6.37	32.40	5.83	
18.0	15.8	43.20	7.96	40.50	7.21	37.80	6.56	36.45	6.22	35.10	5.94	32.40	5.44	
20.0	17.6	43.20	7.55	40.50	6.93	37.80	6.26	36.45	5.97	35.10	5.65	32.40	5.15	
23.0	20.2	43.20	6.97	40.50	6.52	37.80	6.09	36.45	5.75	35.10	5.32	32.40	4.73	
26.0	22.0	43.20	6.58	40.50	6.16	37.80	5.74	36.45	5.53	35.10	5.34	32.40	4.95	
30.0	24.1	43.20	6.01	40.50	5.42	37.80	4.90	36.45	4.63	35.10	4.40	32.40	4.02	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.15:20HP heating capacity(continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50%	-29.8	-30.0	26.09	13.55	25.94	13.71	26.93	15.79	25.97	15.10	25.01	14.00	23.09	13.10
	-25.0	-25.4	27.46	14.67	27.31	14.65	28.35	15.45	27.34	14.75	26.33	14.10	24.30	12.69
	-19.8	-20.0	30.51	16.21	30.34	16.55	31.50	15.11	30.38	14.41	29.25	13.72	27.00	12.32
	-18.8	-19.0	36.00	17.60	33.75	16.18	31.50	14.77	30.38	14.06	29.25	13.37	27.00	11.99
	-16.7	-17.0	36.00	16.82	33.75	15.43	31.50	14.05	30.38	13.37	29.25	12.68	27.00	11.45
	-13.7	-15.0	36.00	16.13	33.75	14.74	31.50	13.39	30.38	12.71	29.25	12.07	27.00	11.07
	-11.8	-13.0	36.00	15.28	33.75	13.94	31.50	12.61	30.38	12.05	29.25	11.55	27.00	10.56
	-9.8	-11.0	36.00	14.42	33.75	13.10	31.50	11.99	30.38	11.51	29.25	11.02	27.00	10.05
	-9.5	-10.0	36.00	13.93	33.75	12.65	31.50	11.66	30.38	11.18	29.25	10.70	27.00	9.75
	-8.5	-9.1	36.00	13.55	33.75	12.38	31.50	11.41	30.38	10.94	29.25	10.47	27.00	9.53
	-7.0	-7.6	36.00	12.91	33.75	11.94	31.50	11.00	30.38	10.53	29.25	10.08	27.00	9.17
	-5.0	-5.6	36.00	12.28	33.75	11.36	31.50	10.44	30.38	10.01	29.25	9.57	27.00	8.76
	-3.0	-3.7	36.00	11.55	33.75	10.69	31.50	9.82	30.38	9.40	29.25	8.99	27.00	8.35
	0.0	-0.7	36.00	10.48	33.75	9.69	31.50	8.93	30.38	8.64	29.25	8.33	27.00	7.74
	3.0	2.2	36.00	9.53	33.75	8.86	31.50	8.29	30.38	8.02	29.25	7.74	27.00	7.20
	5.0	4.1	36.00	8.98	33.75	8.43	31.50	7.89	30.38	7.49	29.25	7.11	27.00	6.42
	7.0	6.0	36.00	8.13	33.75	7.61	31.50	7.09	30.38	6.84	29.25	6.59	27.00	6.09
	9.0	7.9	36.00	7.62	33.75	7.09	31.50	6.58	30.38	6.35	29.25	6.10	27.00	5.63
	11.0	9.8	36.00	7.17	33.75	6.69	31.50	6.22	30.38	5.99	29.25	5.77	27.00	5.32
	13.0	11.8	36.00	6.76	33.75	6.31	31.50	5.86	30.38	5.64	29.25	5.43	27.00	5.01
15.0	13.7	36.00	6.42	33.75	5.98	31.50	5.55	30.38	5.33	29.25	5.13	27.00	4.73	
18.0	15.8	36.00	6.00	33.75	5.56	31.50	5.18	30.38	5.00	29.25	4.80	27.00	4.43	
20.0	17.6	36.00	5.77	33.75	5.27	31.50	4.89	30.38	4.70	29.25	4.55	27.00	4.26	
23.0	20.2	36.00	5.42	33.75	4.94	31.50	4.51	30.38	4.27	29.25	4.11	27.00	3.84	
26.0	22.0	36.00	5.34	33.75	5.03	31.50	4.73	30.38	4.61	29.25	4.48	27.00	3.97	
30.0	24.1	36.00	4.44	33.75	4.09	31.50	3.82	30.38	3.73	29.25	3.66	27.00	3.43	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table2-8.16:22HP heating capacity

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
130%	-29.8	-30.0	31.21	11.84	31.03	12.32	30.85	12.83	30.77	13.09	30.68	13.36	30.52	13.92
	-25.0	-25.4	32.86	12.37	32.66	12.86	32.48	13.38	32.39	13.64	32.30	13.92	32.13	14.48
	-19.8	-20.0	36.51	12.89	36.29	13.39	36.08	13.91	35.98	14.18	35.89	14.46	35.70	15.03
	-18.8	-19.0	39.46	13.21	39.21	13.72	38.97	14.24	38.85	14.51	38.73	14.79	38.51	15.37
	-16.7	-17.0	41.49	13.88	41.22	14.39	40.95	14.92	40.82	15.19	40.70	15.47	40.45	16.06
	-13.7	-15.0	43.60	14.64	43.31	15.16	43.02	15.70	42.88	15.98	42.73	16.27	42.46	16.87
	-11.8	-13.0	45.78	15.28	45.46	15.81	45.15	16.36	44.99	16.65	44.84	16.94	44.54	17.54
	-9.8	-11.0	48.03	15.94	47.68	16.48	47.35	17.04	47.18	17.33	47.01	17.63	46.68	18.24
	-9.5	-10.0	49.18	16.19	48.82	16.73	48.47	17.29	48.29	17.58	48.12	17.88	47.78	18.50
	-8.5	-9.1	50.22	16.50	49.86	17.04	49.49	17.61	49.31	17.91	49.13	18.21	48.78	18.83
	-7.0	-7.6	52.00	16.99	51.61	17.55	51.22	18.13	51.03	18.43	50.84	18.73	50.47	19.36
	-5.0	-5.6	54.42	17.67	54.01	18.24	53.60	18.83	53.39	19.13	53.18	19.44	52.78	20.09
	-3.0	-3.7	56.78	18.07	56.34	18.64	55.90	19.24	55.68	19.55	55.47	19.86	55.03	20.51
	0.0	-0.7	60.60	18.70	60.11	19.29	59.64	19.89	59.39	20.20	59.16	20.52	58.67	21.18
	3.0	2.2	63.97	19.02	63.45	19.60	62.93	20.21	62.67	20.52	62.41	20.84	61.89	21.49
	5.0	4.1	64.77	18.19	64.22	18.75	63.67	19.32	63.40	19.62	63.12	19.92	62.56	20.54
	7.0	6.0	66.84	18.25	66.27	18.80	65.72	19.37	65.40	19.67	65.12	19.97	64.56	20.58
	9.0	7.9	69.33	18.61	68.75	19.17	68.17	19.75	67.87	20.05	67.58	20.36	66.99	20.98
	11.0	9.8	71.87	18.97	71.26	19.54	70.65	20.13	70.34	20.44	70.01	20.75	69.42	21.38
	13.0	11.8	74.55	19.36	73.89	19.95	73.28	20.55	72.95	20.85	72.63	21.17	71.98	21.81
15.0	13.7	77.11	19.74	76.44	20.34	75.79	20.95	75.43	21.26	75.09	21.58	74.42	22.24	
18.0	15.8	80.01	20.18	79.28	20.78	78.61	21.40	78.25	21.72	77.87	22.05	76.89	21.70	
20.0	17.6	82.46	20.56	81.74	21.18	81.01	21.81	80.68	22.13	80.28	22.43	76.89	20.24	
23.0	20.2	86.13	21.13	83.69	21.14	82.96	21.77	82.59	22.09	82.18	22.41	76.89	18.20	
26.0	22.0	87.41	20.87	86.08	21.42	85.33	22.05	84.95	22.37	84.53	22.69	76.89	16.92	
30.0	24.1	89.89	21.12	88.70	21.82	87.91	22.46	86.50	20.39	83.29	18.66	76.89	15.54	
120%	-29.8	-30.0	30.78	11.90	30.60	12.39	30.43	12.91	30.35	13.17	30.27	13.45	30.11	14.02
	-25.0	-25.4	32.40	12.48	32.21	12.97	32.03	13.49	31.94	13.76	31.86	14.04	31.70	14.62
	-19.8	-20.0	36.00	13.08	35.79	13.59	35.59	14.12	35.49	14.39	35.40	14.68	35.22	15.27
	-18.8	-19.0	39.09	13.41	38.85	13.92	38.61	14.46	38.50	14.73	38.38	15.02	38.17	15.61
	-16.7	-17.0	41.12	14.09	40.85	14.61	40.59	15.15	40.46	15.43	40.34	15.72	40.10	16.31
	-13.7	-15.0	43.22	14.87	42.93	15.40	42.64	15.95	42.50	16.24	42.36	16.53	42.10	17.14
	-11.8	-13.0	45.39	15.53	45.08	16.07	44.76	16.63	44.61	16.92	44.46	17.22	44.17	17.83
	-9.8	-11.0	47.62	16.21	47.29	16.76	46.95	17.33	46.78	17.62	46.62	17.92	46.30	18.55
	-9.5	-10.0	48.77	16.46	48.42	17.01	48.07	17.59	47.89	17.88	47.72	18.19	47.39	18.82
	-8.5	-9.1	49.81	16.78	49.44	17.34	49.08	17.92	48.90	18.21	48.73	18.52	48.39	19.16
	-7.0	-7.6	51.58	17.30	51.19	17.86	50.81	18.45	50.62	18.75	50.44	19.06	50.06	19.71
	-5.0	-5.6	53.99	17.99	53.57	18.57	53.17	19.17	52.95	19.48	52.76	19.80	52.37	20.46
	-3.0	-3.7	56.32	18.41	55.89	18.99	55.46	19.60	55.24	19.91	55.02	20.23	54.60	20.90
	0.0	-0.7	60.12	19.07	59.64	19.67	59.17	20.28	58.93	20.60	58.70	20.93	58.23	21.60
	3.0	2.2	63.40	19.41	62.89	20.00	62.40	20.62	62.15	20.94	61.91	21.27	61.40	21.94
	5.0	4.1	64.15	18.57	63.62	19.13	63.10	19.72	62.83	20.02	62.56	20.33	62.04	20.96
	7.0	6.0	66.16	18.63	65.61	19.19	65.05	19.78	64.78	20.08	64.50	20.38	63.94	21.01
	9.0	7.9	68.59	19.01	68.01	19.58	67.43	20.18	67.14	20.48	66.85	20.79	66.29	21.43
	11.0	9.8	71.10	19.39	70.49	19.98	69.88	20.58	69.57	20.89	69.26	21.20	68.63	21.86
	13.0	11.8	73.74	19.81	73.11	20.40	72.47	21.02	72.14	21.33	71.82	21.65	70.97	21.43
15.0	13.7	76.25	20.22	75.59	20.82	74.94	21.44	74.58	21.76	74.27	22.09	70.97	19.88	
18.0	15.8	79.08	20.68	78.38	21.29	77.71	21.93	77.33	22.26	76.89	21.68	70.97	18.31	
20.0	17.6	81.52	21.09	80.83	21.71	80.10	22.36	79.84	21.95	76.89	20.22	70.97	16.99	
23.0	20.2	84.09	21.48	83.36	22.11	82.80	21.46	79.84	19.82	76.89	18.23	70.97	15.29	
26.0	22.0	86.67	21.89	85.91	22.54	82.80	20.01	79.84	18.43	76.89	16.91	70.97	14.42	
30.0	24.1	89.25	22.30	88.47	22.96	82.80	18.38	79.84	16.88	76.89	15.53	70.97	13.41	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.16:22HP heating capacity(continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
110%	-29.8	-30.0	30.60	12.21	30.42	12.71	30.25	13.23	30.17	13.50	30.10	13.78	29.95	14.36
	-25.0	-25.4	32.21	12.78	32.02	13.28	31.85	13.81	31.76	14.09	31.68	14.37	31.53	14.96
	-19.8	-20.0	35.79	13.31	35.58	13.83	35.39	14.37	35.29	14.65	35.20	14.94	35.03	15.55
	-18.8	-19.0	38.75	13.66	38.51	14.18	38.28	14.72	38.17	15.00	38.06	15.29	37.85	15.90
	-16.7	-17.0	40.76	14.35	40.50	14.88	40.24	15.43	40.12	15.71	40.00	16.01	39.77	16.62
	-13.7	-15.0	42.85	15.15	42.57	15.69	42.29	16.25	42.15	16.54	42.02	16.84	41.76	17.47
	-11.8	-13.0	45.01	15.83	44.70	16.38	44.40	16.95	44.25	17.25	44.10	17.55	43.81	18.19
	-9.8	-11.0	47.24	16.53	46.90	17.09	46.57	17.67	46.41	17.97	46.25	18.28	45.93	18.93
	-9.5	-10.0	48.37	16.79	48.02	17.35	47.68	17.94	47.52	18.25	47.35	18.56	47.02	19.20
	-8.5	-9.1	49.40	17.12	49.05	17.69	48.69	18.28	48.52	18.59	48.35	18.90	48.01	19.56
	-7.0	-7.6	51.15	17.66	50.78	18.23	50.40	18.83	50.22	19.15	50.04	19.47	49.68	20.13
	-5.0	-5.6	53.55	18.38	53.15	18.97	52.75	19.58	52.55	19.90	52.35	20.23	51.96	20.91
	-3.0	-3.7	55.87	18.82	55.44	19.42	55.01	20.04	54.80	20.36	54.59	20.69	54.18	21.38
	0.0	-0.7	59.53	19.51	59.07	20.12	58.61	20.75	58.39	21.08	58.18	21.42	57.74	22.11
	3.0	2.2	62.74	19.87	62.24	20.48	61.73	21.11	61.49	21.44	61.24	21.78	60.75	22.47
	5.0	4.1	63.44	19.01	62.92	19.59	62.41	20.19	62.15	20.49	61.89	20.81	61.34	21.46
	7.0	6.0	65.40	19.09	64.87	19.66	64.32	20.26	64.04	20.56	63.76	20.88	63.21	21.53
	9.0	7.9	67.81	19.49	67.25	20.07	66.65	20.68	66.36	20.99	66.07	21.31	65.06	20.92
	11.0	9.8	70.27	19.90	69.66	20.50	69.06	21.11	68.75	21.43	68.45	21.75	65.06	19.44
	13.0	11.8	72.84	20.35	72.21	20.95	71.57	21.58	71.28	21.90	70.48	21.10	65.06	17.95
15.0	13.7	75.36	20.78	74.69	21.40	74.03	22.04	73.19	21.17	70.48	19.59	65.06	16.61	
18.0	15.8	78.14	21.27	77.44	21.90	75.90	21.05	73.19	19.51	70.48	18.03	65.06	15.24	
20.0	17.6	80.50	21.72	79.60	22.20	75.90	19.63	73.19	18.15	70.48	16.71	65.06	14.35	
23.0	20.2	82.30	21.52	81.32	20.56	75.90	17.65	73.19	16.27	70.48	15.09	65.06	13.16	
26.0	22.0	84.61	21.78	81.32	19.15	75.90	16.38	73.19	15.18	70.48	14.19	65.06	12.36	
30.0	24.1	86.92	22.04	81.32	17.56	75.90	15.09	73.19	14.12	70.48	13.21	65.06	11.44	
100%	-29.8	-30.0	30.38	12.44	30.20	12.95	30.04	13.48	29.97	13.76	29.89	14.05	29.75	14.65
	-25.0	-25.4	31.98	13.03	31.79	13.54	31.62	14.09	31.54	14.37	31.47	14.66	31.32	15.27
	-19.8	-20.0	35.53	13.60	35.33	14.13	35.14	14.68	35.05	14.97	34.96	15.27	34.80	15.89
	-18.8	-19.0	38.42	13.95	38.19	14.48	37.97	15.04	37.86	15.33	37.76	15.63	37.56	16.26
	-16.7	-17.0	40.43	14.67	40.17	15.21	39.92	15.77	39.81	16.07	39.69	16.37	39.47	17.00
	-13.7	-15.0	42.50	15.49	42.22	16.04	41.95	16.62	41.82	16.92	41.69	17.23	41.44	17.88
	-11.8	-13.0	44.65	16.20	44.35	16.76	44.05	17.35	43.90	17.65	43.76	17.97	43.48	18.62
	-9.8	-11.0	46.86	16.92	46.53	17.49	46.21	18.10	46.05	18.41	45.89	18.73	45.59	19.39
	-9.5	-10.0	47.99	17.20	47.65	17.78	47.31	18.38	47.14	18.69	46.98	19.01	46.67	19.69
	-8.5	-9.1	49.01	17.54	48.66	18.13	48.31	18.74	48.14	19.05	47.98	19.38	47.65	20.06
	-7.0	-7.6	50.74	18.10	50.38	18.69	50.01	19.31	49.83	19.64	49.66	19.97	49.31	20.66
	-5.0	-5.6	53.06	18.85	52.66	19.46	52.28	20.09	52.10	20.42	51.92	20.76	51.55	21.47
	-3.0	-3.7	55.27	19.31	54.85	19.93	54.45	20.57	54.26	20.90	54.07	21.24	53.67	21.96
	0.0	-0.7	58.85	20.04	58.40	20.67	57.97	21.32	57.75	21.66	57.53	22.01	57.10	22.74
	3.0	2.2	61.98	20.43	61.50	21.06	61.01	21.72	60.77	22.06	60.53	22.40	59.14	21.67
	5.0	4.1	62.68	19.55	62.18	20.14	65.66	22.11	61.40	21.08	61.14	21.40	59.14	20.19
	7.0	6.0	64.60	19.64	64.05	20.23	69.00	22.50	63.25	21.16	64.07	21.79	59.14	18.75
	9.0	7.9	66.98	20.07	66.39	20.68	69.00	21.30	66.54	21.81	64.07	20.27	59.14	17.39
	11.0	9.8	69.37	20.52	68.77	21.13	69.00	21.77	66.54	20.25	64.07	18.84	59.14	16.09
	13.0	11.8	71.91	21.00	71.26	21.62	69.00	20.15	66.54	18.74	64.07	17.35	59.14	14.85
15.0	13.7	74.35	21.47	73.93	21.52	69.00	18.69	66.54	17.34	64.07	16.06	59.14	13.95	
18.0	15.8	77.03	22.01	73.93	19.83	69.00	17.14	66.54	15.89	64.07	14.80	59.14	13.02	
20.0	17.6	78.86	21.14	73.93	18.43	69.00	15.91	66.54	14.84	64.07	13.96	59.14	12.25	
23.0	20.2	78.86	19.07	73.93	16.56	69.00	14.47	66.54	13.61	64.07	12.77	59.14	11.19	
26.0	22.0	78.86	17.70	73.93	15.35	69.00	13.60	66.54	12.78	64.07	12.00	59.14	10.46	
30.0	24.1	78.86	16.23	73.93	14.30	69.00	12.65	66.54	11.85	64.07	11.08	59.14	9.68	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.16:22HP heating capacity(continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
90%	-29.8	-30.0	29.72	12.79	29.55	13.32	29.39	13.89	29.31	14.18	29.24	14.48	29.11	15.12
	-25.0	-25.4	31.28	13.34	31.10	13.88	30.93	14.45	30.86	14.75	30.78	15.05	30.64	15.69
	-19.8	-20.0	34.76	13.96	34.56	14.50	34.37	15.08	34.29	15.38	34.20	15.69	34.04	16.33
	-18.8	-19.0	38.12	14.32	37.90	14.87	37.68	15.45	37.58	15.75	37.49	16.06	37.31	16.71
	-16.7	-17.0	40.11	15.06	39.86	15.62	39.63	16.21	39.51	16.51	39.40	16.83	39.20	17.49
	-13.7	-15.0	42.17	15.92	41.90	16.49	41.64	17.09	41.51	17.40	41.39	17.73	41.16	18.40
	-11.8	-13.0	44.30	16.66	44.00	17.24	43.72	17.85	43.58	18.17	43.45	18.50	43.18	19.18
	-9.8	-11.0	46.46	17.42	46.15	18.01	45.85	18.63	45.70	18.96	45.56	19.29	45.27	19.99
	-9.5	-10.0	47.54	17.70	47.22	18.30	46.91	18.93	46.76	19.26	46.61	19.60	46.32	20.30
	-8.5	-9.1	48.53	18.06	48.19	18.67	47.87	19.30	47.71	19.63	47.55	19.97	47.25	20.68
	-7.0	-7.6	50.18	18.64	49.83	19.26	49.49	19.91	49.32	20.24	49.15	20.59	48.83	21.31
	-5.0	-5.6	52.43	19.43	52.06	20.06	51.69	20.73	51.51	21.07	51.33	21.42	50.98	22.16
	-3.0	-3.7	54.61	19.92	54.23	20.56	53.83	21.23	53.64	21.58	53.43	21.94	53.23	22.29
	0.0	-0.7	58.15	20.71	57.70	21.36	57.26	22.05	57.05	22.40	57.66	22.95	53.23	20.00
	3.0	2.2	61.20	21.14	60.72	21.79	60.24	22.48	59.88	22.06	57.66	22.64	53.23	17.88
	5.0	4.1	61.85	20.22	61.35	20.84	62.10	21.93	59.88	20.56	57.66	19.20	53.23	16.58
	7.0	6.0	63.73	20.33	63.17	20.95	62.10	20.46	59.88	19.10	57.66	17.81	53.23	15.31
	9.0	7.9	66.04	20.81	66.54	21.67	62.10	18.99	59.88	17.72	57.66	16.49	53.23	14.24
	11.0	9.8	68.37	21.29	66.54	20.15	62.10	17.61	59.88	16.40	57.66	15.23	53.23	13.46
	13.0	11.8	70.97	21.15	66.54	18.61	62.10	16.23	59.88	15.06	57.66	14.21	53.23	12.60
15.0	13.7	70.97	19.63	66.54	17.23	62.10	14.99	59.88	14.15	57.66	13.36	53.23	11.83	
18.0	15.8	70.97	18.02	66.54	15.76	62.10	13.98	59.88	13.19	57.66	12.46	53.23	11.01	
20.0	17.6	70.97	16.73	66.54	14.71	62.10	13.17	59.88	12.43	57.66	11.69	53.23	10.32	
23.0	20.2	70.97	15.04	66.54	13.48	62.10	12.04	59.88	11.34	57.66	10.65	53.23	9.44	
26.0	22.0	70.97	14.15	66.54	12.66	62.10	11.26	59.88	10.62	57.66	9.94	53.23	8.94	
30.0	24.1	70.97	13.15	66.54	11.76	62.10	10.40	59.88	9.75	57.66	9.28	53.23	8.34	
80%	-29.8	-30.0	29.07	13.20	28.90	13.76	28.75	14.34	28.68	14.65	28.61	14.97	28.47	15.63
	-25.0	-25.4	30.60	13.78	30.43	14.34	30.26	14.93	30.19	15.24	30.11	15.56	29.97	16.24
	-19.8	-20.0	34.00	14.42	33.81	14.99	33.62	15.59	33.54	15.91	33.46	16.23	33.30	16.91
	-18.8	-19.0	37.84	14.80	37.63	15.37	37.43	15.98	37.34	16.30	37.25	16.62	37.09	17.31
	-16.7	-17.0	39.81	15.58	39.57	16.16	39.35	16.78	39.25	17.10	39.15	17.43	38.96	18.13
	-13.7	-15.0	41.81	16.47	41.56	17.07	41.32	17.70	41.21	18.03	41.10	18.37	40.89	19.09
	-11.8	-13.0	43.84	17.24	43.56	17.85	43.30	18.50	43.18	18.83	43.05	19.18	42.82	19.91
	-9.8	-11.0	45.92	18.04	45.62	18.66	45.34	19.32	45.20	19.66	45.06	20.02	44.80	20.76
	-9.5	-10.0	46.98	18.35	46.67	18.97	46.37	19.64	46.22	19.98	46.08	20.34	45.81	21.08
	-8.5	-9.1	47.94	18.73	47.62	19.36	47.31	20.03	47.16	20.38	47.01	20.74	47.31	21.58
	-7.0	-7.6	49.57	19.34	49.23	19.99	48.90	20.67	48.74	21.03	48.59	21.39	47.31	20.73
	-5.0	-5.6	51.78	20.18	51.41	20.85	51.05	21.55	50.89	21.91	51.26	22.28	47.31	19.58
	-3.0	-3.7	53.92	20.72	53.53	21.39	53.13	22.10	53.23	22.18	51.26	20.83	47.31	18.24
	0.0	-0.7	57.35	21.57	56.91	22.26	55.20	21.14	53.23	19.87	51.26	18.63	47.31	16.23
	3.0	2.2	60.31	22.05	59.14	21.40	55.20	18.97	53.23	17.79	51.26	16.63	47.31	14.44
	5.0	4.1	60.91	21.09	59.14	19.94	55.20	17.60	53.23	16.48	51.26	15.39	47.31	13.59
	7.0	6.0	63.09	20.85	59.14	18.50	55.20	16.31	53.23	15.22	51.26	14.31	47.31	12.77
	9.0	7.9	63.09	19.36	59.14	17.17	55.20	15.04	53.23	14.12	51.26	13.32	47.31	11.77
	11.0	9.8	63.09	17.96	59.14	15.86	55.20	14.08	53.23	13.35	51.26	12.56	47.31	11.02
	13.0	11.8	63.09	16.56	59.14	14.64	55.20	13.19	53.23	12.52	51.26	11.75	47.31	10.32
15.0	13.7	63.09	15.26	59.14	13.74	55.20	12.39	53.23	11.74	51.26	11.10	47.31	9.68	
18.0	15.8	63.09	14.18	59.14	12.81	55.20	11.54	53.23	10.91	51.26	10.31	47.31	9.26	
20.0	17.6	63.09	13.34	59.14	12.05	55.20	10.82	53.23	10.22	51.26	9.66	47.31	8.78	
23.0	20.2	63.09	12.19	59.14	10.96	55.20	9.80	53.23	9.36	51.26	8.92	47.31	8.11	
26.0	22.0	63.09	11.41	59.14	10.27	55.20	9.26	53.23	8.84	51.26	8.43	47.31	7.66	
30.0	24.1	63.09	10.56	59.14	9.47	55.20	8.66	53.23	8.27	51.26	7.88	47.31	7.14	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.16:22HP heating capacity(continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
70%	-29.8	-30.0	28.44	13.77	28.28	14.35	28.12	14.98	28.05	15.30	27.98	15.65	27.86	16.36
	-25.0	-25.4	29.94	14.37	29.76	14.97	29.60	15.60	29.53	15.93	29.46	16.28	29.32	17.00
	-19.8	-20.0	33.26	15.05	33.07	15.65	32.89	16.29	32.81	16.63	32.73	16.98	32.58	17.71
	-18.8	-19.0	37.50	15.45	37.32	16.05	37.15	16.70	37.07	17.04	36.99	17.39	36.86	18.13
	-16.7	-17.0	39.38	16.26	39.17	16.88	38.98	17.54	38.88	17.88	38.80	18.24	38.64	18.99
	-13.7	-15.0	41.31	17.21	41.08	17.84	40.86	18.52	40.76	18.87	40.66	19.24	40.47	20.01
	-11.8	-13.0	43.30	18.03	43.04	18.68	42.80	19.37	42.68	19.73	42.57	20.10	41.40	19.51
	-9.8	-11.0	45.33	18.88	45.05	19.55	44.78	20.25	44.65	20.62	44.85	20.86	41.40	18.49
	-9.5	-10.0	46.36	19.22	46.07	19.89	45.79	20.60	46.58	21.39	44.85	20.20	41.40	17.88
	-8.5	-9.1	47.30	19.62	47.00	20.30	46.71	21.02	46.58	20.90	44.85	19.73	41.40	17.43
	-7.0	-7.6	48.90	20.29	48.56	20.98	48.30	21.25	46.58	20.06	44.85	18.90	41.40	16.66
	-5.0	-5.6	51.04	21.20	51.75	22.37	48.30	20.07	46.58	18.94	44.85	17.82	41.40	15.65
	-3.0	-3.7	53.11	21.79	51.75	20.94	48.30	18.72	46.58	17.62	44.85	16.55	41.40	14.49
	0.0	-0.7	55.20	20.91	51.75	18.74	48.30	16.66	46.58	15.64	44.85	14.65	41.40	13.13
	3.0	2.2	55.20	18.71	51.75	16.71	48.30	14.81	46.58	14.01	44.85	13.32	41.40	11.97
	5.0	4.1	55.20	17.39	51.75	15.48	48.30	13.86	46.58	13.18	44.85	12.52	41.40	11.25
	7.0	6.0	55.20	16.09	51.75	14.34	48.30	13.02	46.58	12.39	44.85	11.67	41.40	10.25
	9.0	7.9	55.20	14.87	51.75	13.39	48.30	12.01	46.58	11.36	44.85	10.74	41.40	9.60
	11.0	9.8	55.20	13.90	51.75	12.68	48.30	11.29	46.58	10.65	44.85	10.07	41.40	8.94
	13.0	11.8	55.20	13.02	51.75	11.85	48.30	10.57	46.58	9.91	44.85	9.36	41.40	8.42
15.0	13.7	55.20	12.21	51.75	11.10	48.30	10.00	46.58	9.30	44.85	8.81	41.40	7.93	
18.0	15.8	55.20	11.35	51.75	10.32	48.30	9.38	46.58	8.98	44.85	8.61	41.40	7.79	
20.0	17.6	55.20	10.67	51.75	9.65	48.30	8.88	46.58	8.53	44.85	8.16	41.40	7.49	
23.0	20.2	55.20	9.65	51.75	8.88	48.30	8.20	46.58	7.86	44.85	7.54	41.40	6.91	
26.0	22.0	55.20	9.09	51.75	8.39	48.30	7.73	46.58	7.42	44.85	7.13	41.40	6.52	
30.0	24.1	55.20	8.49	51.75	7.85	48.30	7.22	46.58	6.92	44.85	6.63	41.40	5.81	
60%	-29.8	-30.0	27.82	13.70	27.66	14.33	27.51	15.48	27.44	16.21	27.38	16.99	27.25	18.52
	-25.0	-25.4	29.28	14.58	29.12	15.22	28.96	16.29	28.89	16.89	28.82	17.50	28.68	18.19
	-19.8	-20.0	32.54	15.46	32.35	16.11	32.18	17.28	32.10	17.65	32.02	18.03	31.87	17.70
	-18.8	-19.0	37.07	16.34	36.91	17.01	36.77	17.71	36.70	18.09	36.64	18.47	35.49	17.87
	-16.7	-17.0	38.90	17.23	38.71	17.90	38.55	18.62	38.47	19.00	38.44	19.04	35.49	17.05
	-13.7	-15.0	40.78	18.25	40.57	18.94	40.38	19.69	39.92	19.29	38.44	18.28	35.49	16.29
	-11.8	-13.0	42.71	19.15	42.47	19.86	41.40	19.29	39.92	18.29	38.44	17.31	35.49	15.39
	-9.8	-11.0	44.68	20.08	44.36	20.26	41.40	18.27	39.92	17.32	38.44	16.35	35.49	14.49
	-9.5	-10.0	45.68	20.45	44.36	19.62	41.40	17.67	39.92	16.72	38.44	15.79	35.49	13.96
	-8.5	-9.1	47.31	21.13	44.36	19.15	41.40	17.24	39.92	16.31	38.44	15.37	35.49	13.58
	-7.0	-7.6	47.31	20.27	44.36	18.33	41.40	16.47	39.92	15.56	38.44	14.66	35.49	13.11
	-5.0	-5.6	47.31	19.13	44.36	17.27	41.40	15.46	39.92	14.58	38.44	13.78	35.49	12.49
	-3.0	-3.7	47.31	17.82	44.36	16.04	41.40	14.31	39.92	13.62	38.44	12.98	35.49	11.76
	0.0	-0.7	47.31	15.85	44.36	14.18	41.40	12.97	39.92	12.39	38.44	11.81	35.49	10.67
	3.0	2.2	47.31	14.10	44.36	12.94	41.40	11.81	39.92	11.28	38.44	10.75	35.49	9.70
	5.0	4.1	47.31	13.25	44.36	12.17	41.40	11.11	39.92	10.59	38.44	10.09	35.49	9.22
	7.0	6.0	47.31	12.47	44.36	11.37	41.40	10.11	39.92	9.61	38.44	9.13	35.49	8.35
	9.0	7.9	47.31	11.46	44.36	10.42	41.40	9.46	39.92	9.00	38.44	8.60	35.49	7.83
	11.0	9.8	47.31	10.74	44.36	9.78	41.40	8.81	39.92	8.43	38.44	8.05	35.49	7.34
	13.0	11.8	47.31	10.01	44.36	9.05	41.40	8.29	39.92	7.93	38.44	7.58	35.49	6.91
15.0	13.7	47.31	9.38	44.36	8.55	41.40	7.80	39.92	7.46	38.44	7.16	35.49	6.56	
18.0	15.8	47.31	8.99	44.36	8.36	41.40	7.65	39.92	7.25	38.44	6.80	35.49	6.10	
20.0	17.6	47.31	8.50	44.36	7.92	41.40	7.37	39.92	6.96	38.44	6.57	35.49	5.84	
23.0	20.2	47.31	7.85	44.36	7.30	41.40	6.80	39.92	6.53	38.44	6.30	35.49	5.56	
26.0	22.0	47.31	7.39	44.36	6.89	41.40	6.39	39.92	6.17	38.44	5.92	35.49	5.47	
30.0	24.1	47.31	6.90	44.36	6.42	41.40	5.70	39.92	5.38	38.44	5.02	35.49	4.47	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.

Table continued on next page ...

Table2-8.16:22HP heating capacity(continued)

CR	Outdoor air temp.		Indoor air temp. °C DB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50%	-29.8	-30.0	27.22	16.32	27.06	19.66	29.50	18.95	28.44	17.92	27.39	17.08	25.28	15.34
	-25.0	-25.4	28.65	16.82	28.48	19.12	31.05	18.24	29.94	17.28	28.83	16.45	26.61	14.77
	-19.8	-20.0	31.83	17.26	31.65	18.01	34.50	17.36	33.27	16.53	32.04	15.72	29.57	14.12
	-18.8	-19.0	36.62	17.73	36.96	18.58	34.50	16.95	33.27	16.14	32.04	15.34	29.57	13.76
	-16.7	-17.0	38.39	18.72	36.96	17.75	34.50	16.16	33.27	15.37	32.04	14.57	29.57	13.01
	-13.7	-15.0	39.43	18.61	36.96	17.01	34.50	15.43	33.27	14.64	32.04	13.87	29.57	12.47
	-11.8	-13.0	39.43	17.64	36.96	16.07	34.50	14.54	33.27	13.78	32.04	13.04	29.57	11.92
	-9.8	-11.0	39.43	16.69	36.96	15.17	34.50	13.68	33.27	13.02	32.04	12.46	29.57	11.39
	-9.5	-10.0	39.43	16.13	36.96	14.62	34.50	13.20	33.27	12.66	32.04	12.11	29.57	11.05
	-8.5	-9.1	39.43	15.70	36.96	14.22	34.50	12.93	33.27	12.40	32.04	11.87	29.57	10.81
	-7.0	-7.6	39.43	14.98	36.96	13.55	34.50	12.49	33.27	11.96	32.04	11.43	29.57	10.41
	-5.0	-5.6	39.43	13.99	36.96	12.91	34.50	11.89	33.27	11.38	32.04	10.87	29.57	9.89
	-3.0	-3.7	39.43	13.16	36.96	12.15	34.50	11.17	33.27	10.70	32.04	10.22	29.57	9.33
	0.0	-0.7	39.43	11.95	36.96	11.03	34.50	10.13	33.27	9.71	32.04	9.32	29.57	8.63
	3.0	2.2	39.43	10.88	36.96	10.04	34.50	9.28	33.27	8.95	32.04	8.63	29.57	8.00
	5.0	4.1	39.43	10.22	36.96	9.44	34.50	8.81	33.27	8.50	32.04	8.20	29.57	7.33
	7.0	6.0	39.43	9.24	36.96	8.57	34.50	7.94	33.27	7.65	32.04	7.35	29.57	6.77
	9.0	7.9	39.43	8.63	36.96	8.00	34.50	7.39	33.27	7.11	32.04	6.82	29.57	6.27
	11.0	9.8	39.43	8.11	36.96	7.52	34.50	6.96	33.27	6.70	32.04	6.43	29.57	5.90
	13.0	11.8	39.43	7.61	36.96	7.08	34.50	6.55	33.27	6.31	32.04	6.04	29.57	5.56
15.0	13.7	39.43	7.19	36.96	6.70	34.50	6.22	33.27	5.96	32.04	5.72	29.57	5.24	
18.0	15.8	39.43	6.87	36.96	6.31	34.50	5.77	33.27	5.53	32.04	5.32	29.57	4.89	
20.0	17.6	39.43	6.70	36.96	6.00	34.50	5.49	33.27	5.25	32.04	4.99	29.57	4.61	
23.0	20.2	39.43	6.30	36.96	5.77	34.50	5.16	33.27	4.93	32.04	4.61	29.57	4.20	
26.0	22.0	39.43	5.92	36.96	5.54	34.50	5.19	33.27	5.00	32.04	4.88	29.57	4.62	
30.0	24.1	39.43	5.07	36.96	4.61	34.50	4.22	33.27	4.04	32.04	3.93	29.57	3.75	

Abbreviations:

CR: Combination ratio

TC: Total capacity (kW)

PI: Power input (compressor + outdoor fan motor) (kW)

Notes:

Shaded cells indicate rating condition.