

Water terminals

from 91 to 1548 m³/h



from 0,5 to 9,6 kW



from 0,6 to 13,6 kW



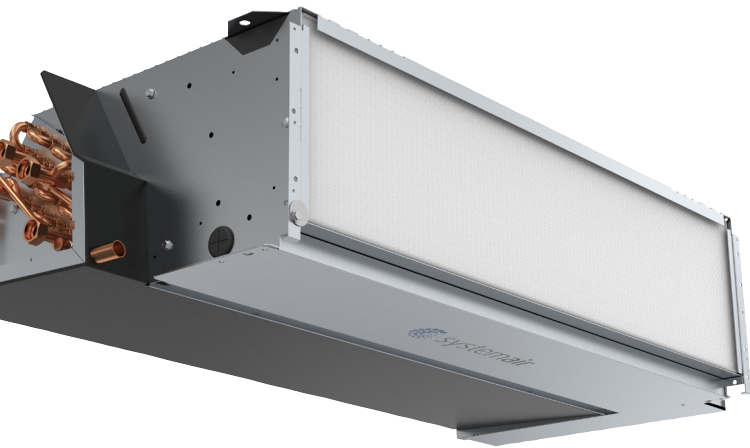
SysCoil Comfort

Floor and ceiling fan coil units



SysCoil Comfort

Innovation for an optimum comfort



- Airflow from 91 to 1548 m³/h
- Cooling capacity from 0,5 to 9,6 kW
- Heating capacity from 0,6 to 13,6 kW
- Very low sound level
- Universal version for either vertical or horizontal installation
- With or without cabinet



Lower sound levels, better performances and integration of our all new SysLogic electronic control system are the key developments carried on the latest generation of SysCoil units.

SysCoil Comfort fan coils are issued from that development striving to meet customers' wishes and advices. The design of the grille, associated with a refined cabinet allows an harmonious and smart integration of the units in every kind of interiors.

They are the ideal solution to air-condition agreeably and efficiently, hotels, hospitals, offices and other premises, all year long.

Product advantages

- Very low sound level
- Robust units
- Ease of installation
- Very good performances and large working range
- Harmonious and aesthetic RAL 9003 painted cabinet
- Streamlined design and elaborate finish enabling harmonious integration
- A large range of accessories and options
- Eurovent certified



Versions and configurations

- 8 sizes (from SCC10 to SCC80)
- With or without cabinet
- EC (low consumption) or AC 5-speed fan motors
- Standard or Low Noise versions
- 2-pipes, 2-pipes/2-wires, 4 pipes
- Left or right connexion
- Universal installation units (vertical or horizontal)



The preservation of the environment and energy savings are at the heart of the Systemair philosophy. Our label "Green Ventilation" features products with a high energy saving potential.



All Systemair terminal units are ERP 2018 compliant following COMMISSION REGULATION (EU) No2016/2281.

100%

of the units are factory tested



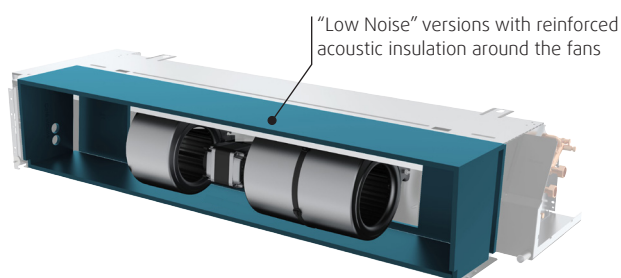
Better performances & Quieter than ever

With SysCoil Comfort, our R&D department has successfully met the challenge of improving the performances and reducing the sound levels !

+5% cooling capacity *

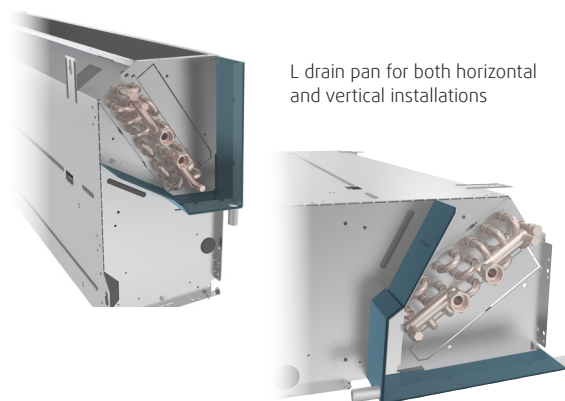
-2 dB(A) for Standard versions *

-3 dB(A) for "Low Noise" versions *



A new casing design

In addition to strengthen the casing and component parts, we created a unique and universal product you can now install either vertically or horizontally.



* compared to the previous generation SysCoil 2

A wide range of control systems for ultimate comfort

Concerned about the performance of its products and the comfort of its users, Systemair provides you a wide range of electronic and electromechanical control systems to optimize the operation of the water terminal units.



WRC remote control



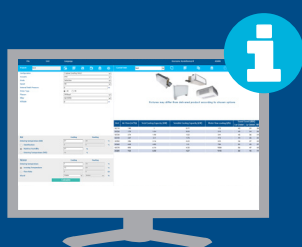
SysLogic controller



BRC remote control

Many options and accessories to meet exactly your needs

- SysLogic controller (other electromechanical or electronic control systems also available)
- WRC/BRC remote controls for SysLogic
- Modbus communication board for SysLogic
- 2-way or 3-way ON/OFF valves
- Modulating valves
- Auxiliary drain pan
- Condensate drain pump
- Electrical heater
- Additionnal 2-pipe coil
- Feet + grid between feet
- Front air intake
- Front/Back/Floor air intake with manual damper
- Discharge and return plenums (for circular duct connections)
- Fuse holder or Circuit breaker
- G3 filter
- Suspension kit



Sysoft AC, the online selection software for all your Air Conditioning projects

Thanks to our online selection tool Sysoft AC, select and dimension precisely and quickly, by yourself, "THE" water terminal unit(s) you need.



EUROVENT certified software
for the full range of water terminals.

www.sysoftac.com

Quick selection guide

SysCoil Comfort		Cooling and heating capacities* (kW)		Acoustic *	Airflow * LS/MS/HS (m³/h)	Pressure	Fan
    	10	2,1	2,4	NR 33 at MS	108/228/417	0-30 Pa	AC / EC
	20	2,4	2,8	NR 33 at MS	98/234/413	0-30 Pa	
	30	3,1	2,8	NR 36 at MS	145/380/585	0-30 Pa	
	40	4,2	4,5	NR 30 at MS	170/412/678	0-30 Pa	
	50	5,0	5,2	NR 37 at MS	203/645/816	0-40 Pa	
	60	5,2	5,8	NR 40 at MS	245/737/912	0-40 Pa	
	70	6,9	7,6	NR 40 at MS	350/850/1050	0-40 Pa	
	80	8,8	9,8	NR 42 at MS	685/927/1398	0-40 Pa	

* Data for EC versions - 2 pipes / According to Eurovent standard

Technical Data

SysCoil Comfort			SCC10	SCC20	SCC30	SCC40	SCC50	SCC60	SCC70	SCC80
			S1 / S3 / S5 **	S1 / S3 / S5 **	S1 / S3 / S5 **	S1 / S3 / S5 **	S1 / S3 / S5 **	S1 / S3 / S5 **	S1 / S3 / S5 **	S1 / S3 / S5 **
Capacities - 2 pipes										
Cooling ⁽¹⁾	Total cooling capacity	kW	0,72/1,00/1,45	0,74/1,24/1,68	1,00/1,98/2,50	1,20/2,40/3,18	1,72/3,16/4,63	2,71/4,55/5,82	3,41/6,14/7,27	4,63/6,08/8,13
	Sensible capacity	kW	0,53/0,77/1,05	0,55/0,93/1,30	0,82/1,52/1,90	0,87/1,75/2,34	1,24/2,23/3,27	1,90/3,30/4,47	2,37/4,32/5,10	3,41/4,57/6,29
	Water flow	l/h	124/172/250	127/213/289	172/341/430	206/413/547	296/544/798	466/784/1003	587/1058/1252	798/1048/1400
	Water pressure drop ⁽⁵⁾	kPa	10,7/19,5/39,2	1,8/3,9/6,3	6,3/19,3/28,8	5,4/17,1/28	7,5/22,8/46,9	13,9/37,4/60,2	4,8/15,4/21,5	11,9/19,3/32,5
Heating ⁽²⁾	Heating capacity	kW	0,73/1,18/1,71	0,76/1,26/1,86	1,05/1,96/2,62	1,21/2,39/3,35	1,79/3,46/4,81	2,58/4,44/5,93	3,63/6,59/7,80	4,95/6,80/9,90
Capacities - 4 pipes										
Cooling ⁽¹⁾	Total cooling capacity	kW	0,66/0,92/1,30	0,63/1,12/1,56	0,96/1,90/2,40	1,13/2,25/3,00	1,65/3,03/4,34	2,60/4,39/5,61	3,34/5,92/6,93	4,50/5,92/8,01
	Sensible capacity	kW	0,48/0,70/0,96	0,47/0,84/1,20	0,79/1,46/1,83	0,82/1,65/2,21	1,19/2,15/3,07	1,82/3,18/4,28	2,33/4,16/4,87	3,30/4,44/6,19
	Water flow	l/h	114/159/225	109/192/268	165/327/414	194/388/517	284/522/748	449/756/967	575/1019/1193	775/1020/1380
	Water pressure drop ⁽⁵⁾	kPa	8,3/15,2/29	1,5/3,4/5,6	3/9,5/14,4	7,2/22,3/36,8	4,2/12,8/25,1	10,3/27,7/44,5	5,9/17,9/24,4	19,3/31,1/53,6
Heating ⁽³⁾	Heating capacity	kW	0,66/1,05/1,49	0,78/1,24/1,60	1,34/1,91/2,24	1,36/2,32/3,00	2,11/3,36/4,30	2,71/4,24/5,33	3,84/5,26/6,21	5,66/8,06/10,30
	Water flow	l/h	57/90/128	37/106/137	116/165/193	117/200/259	182/290/370	234/365/459	331/453/535	487/685/888
	Water pressure drop ⁽⁵⁾	kPa	1,2/2,2/3,5	<1/1,7/2,8	3/5,2/6,6	6/15,1/24,1	6,2/13,8/21,3	11,7/24,7/37	38,6/66,3/89	18,7/35,1/54,8
Sound Levels - 2 pipes										
Sound power level		dB(A)	33/40/49	31/43/50	30/45/52	30/44/51	34/46/56	38/51/58	43/56/61	50/55/64
Sound pressure level ⁽⁴⁾		dB(A)	24/31/40	22/34/41	21/36/43	21/35/42	25/37/47	29/42/49	34/47/52	41/46/55
NR ⁽⁴⁾		dB(A)	19/26/35	17/29/36	16/31/38	16/30/37	20/32/42	24/37/44	29/42/47	36/41/50
Sound Levels - 4 pipes										
Sound power level		dB(A)	33/40/49	31/43/50	30/45/52	30/44/51	34/46/56	38/51/58	43/56/61	50/55/64
Sound pressure level ⁽⁴⁾		dB(A)	24/31/40	22/34/41	21/36/43	21/35/42	25/37/47	29/42/49	34/47/52	41/46/55
NR ⁽⁴⁾		dB(A)	19/26/35	17/29/36	16/31/38	16/30/37	20/32/42	24/37/44	29/42/47	36/41/50
Ventilation										
Number of fan(s)			1	1	1	2	2	2	2	3
Airflow - 2 pipes		m³/h	111/190/283	105/179/265	138/274/390	173/357/499	253/486/716	350/640/933	480/893/1064	660/936/1397
Airflow - 4 pipes		m³/h	95/168/253	89/161/241	132/263/369	162/335/467	242/466/671	334/614/885	470/859/1012	634/905/1370
Filter			G2							
Electrical Data										
Power supply		V/Ph/Hz	230V/1~/50Hz - 230V/1~/60Hz							
Consumption - 2 pipes		W	13/24/36	10/18/29	16/37/45	15/37/56	28/55/72	37/75/105	53/100/147	90/112/188
Consumption - 4 pipes		W	13/24/36	10/18/28	16/37/44	15/37/55	28/54/70	37/74/104	53/99/145	90/112/188
Electrical heater (max.)		W	500	500	500/1000	1250/2500	1250/2500	1250/2500	1250/2500	1250/2500
Water Connections										
Type			Female gas threaded							
2 pipes or 4 pipes “cooling”		inch	½"	½"	½"	½"	½"	½"	¾"	¾"
4 pipes “heating”		inch	½"	½"	½"	½"	½"	½"	½"	½"
Dimensions										
Without cabinet (LxWxH)		mm	570 x 220 x 430	570 x 220 x 430	753 x 220 x 430	938 x 220 x 430	1122 x 220 x 430	1307 x 220 x 430	1121 x 220 x 530	1316 x 220 x 530
With cabinet (LxWxH)		mm	766 x 225 x 477	766 x 225 x 477	951 x 225 x 477	1136 x 225 x 477	1321 x 225 x 477	1506 x 225 x 477	1319 x 225 x 575	1506 x 225 x 575
Weight										
Without cabinet - 2 pipes		kg	13	13	15	20	22	26	27	38
Without cabinet - 4 pipes		kg	14	14	16	22	24	28	29	40
With cabinet - 2 pipes		kg	19	19	22	27	30	35	35	47
With cabinet - 4 pipes		kg	20	20	23	29	32	37	37	49

SysCoil Comfort EC 			SCC10	SCC20	SCC30	SCC40	SCC50	SCC60	SCC70	SCC80
			S1 / S3 / S5 **	S1 / S3 / S5 **	S1 / S3 / S5 **	S1 / S3 / S5 **	S1 / S3 / S5 **	S1 / S3 / S5 **	S1 / S3 / S5 **	S1 / S3 / S5 **
Capacities - 2 pipes										
Cooling ⁽¹⁾	Total cooling capacity	kW	0,62/1,22/2,07	0,64/1,38/2,36	0,86/2,06/3,09	1,34/2,94/4,19	1,34/3,97/4,98	1,98/4,45/5,24	2,69/5,85/6,90	5,10/6,45/8,80
	Sensible capacity	kW	0,51/1,05/1,85	0,49/1,12/1,91	0,64/1,61/2,40	0,95/2,10/3,00	1,05/3,00/3,70	1,35/3,51/4,02	2,01/4,31/5,22	3,69/4,75/6,61
	Water flow	l/h	107/210/356	110/237/406	148/354/532	230/506/722	231/685/858	341/767/903	463/1008/1189	879/1111/1516
	Water pressure drop ⁽⁵⁾	kPa	8,2/28,2/76,9	1,5/4,6/11	5/20,5/42,1	6,4/24,4/46,3	4,9/35,1/53,9	7,7/35,8/49,1	3/14/19,4	14,1/21,4/37,6
Heating ⁽²⁾	Heating capacity	kW	0,71/1,37/2,43	0,71/1,61/2,80	0,84/1,81/2,80	1,11/2,48/4,46	1,38/4,35/5,19	1,95/4,93/5,82	3,21/6,12/7,55	5,15/6,73/9,77
Capacities - 4 pipes										
Cooling ⁽¹⁾	Total cooling capacity	kW	0,53/1,07/1,90	0,56/1,19/2,18	0,75/1,86/2,86	1,19/2,65/3,95	1,23/3,63/4,62	1,78/4,11/4,94	2,57/5,14/6,38	4,96/6,21/9,55
	Sensible capacity	kW	0,43/0,92/1,69	0,43/0,96/1,76	0,55/1,45/2,23	0,85/1,90/2,83	0,97/2,75/3,45	1,18/3,21/3,83	1,93/3,80/4,77	3,58/4,57/7,21
	Water flow	l/h	92/185/327	97/206/375	129/321/493	205/457/681	212/625/796	306/707/851	443/886/1099	855/1070/1644
	Water pressure drop ⁽⁵⁾	kPa	5,7/20,1/59,2	1,3/3,7/9,7	2,1/9,2/19,7	7,9/29,6/60,1	2,5/17,9/28,2	5/24,3/34,8	3,5/13,6/20,8	22,8/33,9/73,9
Heating ⁽³⁾	Heating capacity	kW	0,64/1,19/1,97	0,78/1,33/2,09	1,43/2,03/2,56	1,71/2,94/4,05	2,30/3,51/4,31	1,91/4,26/5,07	3,63/4,92/5,82	6,42/8,47/13,60
	Water flow	l/h	55/103/170	68/115/180	123/175/221	147/253/349	198/302/372	164/367/436	313/423/502	553/729/1170
	Water pressure drop ⁽⁵⁾	kPa	1,2/2,6/5,2	<1/2/4,8	3,3/5,7/8,3	8,9/23,1/41,6	7,1/14,8/21,5	6,6/25/33,8	35,2/58,8/79,5	23,3/38,2/91,5
Sound Levels - 2 pipes										
Sound power level		dB(A)	34/47/60	34/47/60	31/50/59	29/44/52	30/51/57	32/54/58	40/54/59	51/56/64
Sound pressure level ⁽⁴⁾		dB(A)	25/38/51	25/38/51	22/41/50	20/35/43	21/42/48	23/45/49	31/45/50	42/47/55
NR ⁽⁴⁾		dB(A)	20/33/46	20/33/46	17/36/45	<16/30/38	16/37/43	18/40/44	26/40/45	37/42/50
Sound Levels - 4 pipes										
Sound power level		dB(A)	34/47/60	34/47/60	31/50/59	29/44/52	30/51/57	32/54/58	40/54/59	51/56/64
Sound pressure level ⁽⁴⁾		dB(A)	25/38/51	25/38/51	22/41/50	20/35/43	21/42/48	23/45/49	31/45/50	42/47/55
NR ⁽⁴⁾		dB(A)	20/33/46	20/33/46	17/36/45	<16/30/38	16/37/43	18/40/44	26/40/45	37/42/50
Ventilation										
Number of fan(s)			1	1	1	2	2	2	2	3
Airflow - 2 pipes		m³/h	108/228/417	98/234/413	145/380/585	170/412/678	203/645/816	245/737/912	350/850/1050	685/927/1398
Airflow - 4 pipes		m³/h	91/199/379	84/200/380	123/342/540	148/369/627	185/587/755	205/668/845	329/798/989	660/884/1548
Filter			G2							
Electrical Data										
Power supply		V/Ph/Hz	230V/1~/50Hz - 230V/1~/60Hz							
Voltage		V	2/5/10	2/5/10	2/6/10	2/5/10	2/7/10	2/7/10	4/8/10	3/4/1,6,4
Consumption - 2 pipes		W	5/11/41	5/13/41	4/16/42	2/13/43	2/24/46	2/30/54	11/44/77	23/42/108
Consumption - 4 pipes		W	5/11/39	5/13/40	4/15/40	2/12/42	2/23/44	2/28/52	11/43/75	22/41/116
Electrical heater (max.)		W	500	500	500/1000	1250/2500	1250/2500	1250/2500	1250/2500	1250/2500
Water Connections										
Type			Female gas threaded							
2 pipes or 4 pipes “cooling”		inch	½"	½"	½"	½"	½"	½"	¾"	¾"
4 pipes “heating”		inch	½"	½"	½"	½"	½"	½"	½"	½"
Dimensions										
Without cabinet (LxWxH)		mm	570 x 220 x 430	570 x 220 x 430	753 x 220 x 430	938 x 220 x 430	1122 x 220 x 430	1307 x 220 x 430	1121 x 220 x 530	1316 x 220 x 530
With cabinet (LxWxH)		mm	766 x 225 x 477	766 x 225 x 477	951 x 225 x 477	1136 x 225 x 477	1321 x 225 x 477	1506 x 225 x 477	1319 x 225 x 575	1506 x 225 x 575
Weight										
Without cabinet - 2 pipes		kg	13	13	15	20	22	26	27	38
Without cabinet - 4 pipes		kg	14	14	16	22	24	28	29	40
With cabinet - 2 pipes		kg	19	19	22	27	30	35	35	47
With cabinet - 4 pipes		kg	20	20	23	29	32	37	37	49

** Standard factory set speeds with SysLogic controller.

⁽¹⁾ According to Euro standard. Air: 27°C DB / 19°C WB (nominal HS airflow), Chilled water: 7°C/12°C.

⁽²⁾ According to Eurovent standard. Air: 20°C (nominal HS airflow), Hot water: 45°C/40°C.

⁽³⁾ According to Eurovent standard. Air: 20°C (nominal HS airflow), Hot Water: 65°C/55°C.

⁽⁴⁾ The sound pressure levels Lp are based on (NR) characteristics of a room having volume of 100 m³ with reverberation of 0.5 seconds.

⁽⁵⁾ Pressure loss by corresponding nominal flow.

Sysoft AC

For a precise selection
and more technical information.
www.sysoftac.com



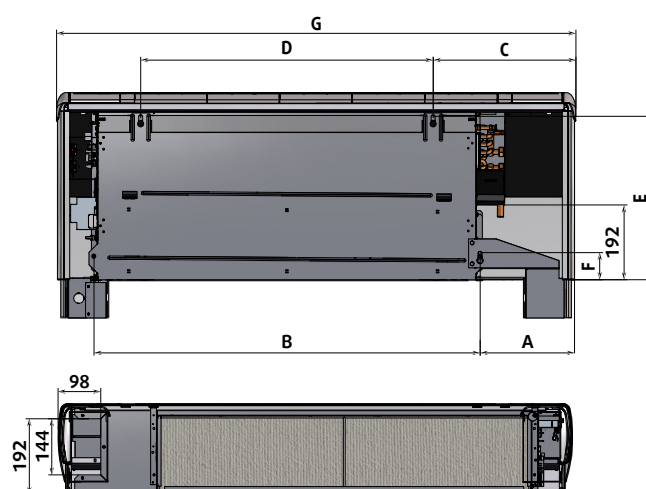
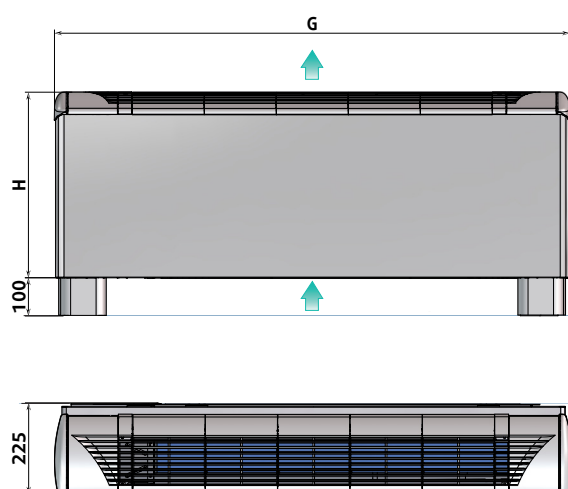
Technical documentation

Complete documentation available
on www.systemair.com and the app
MEDIA CENTER by Systemair



Dimensions

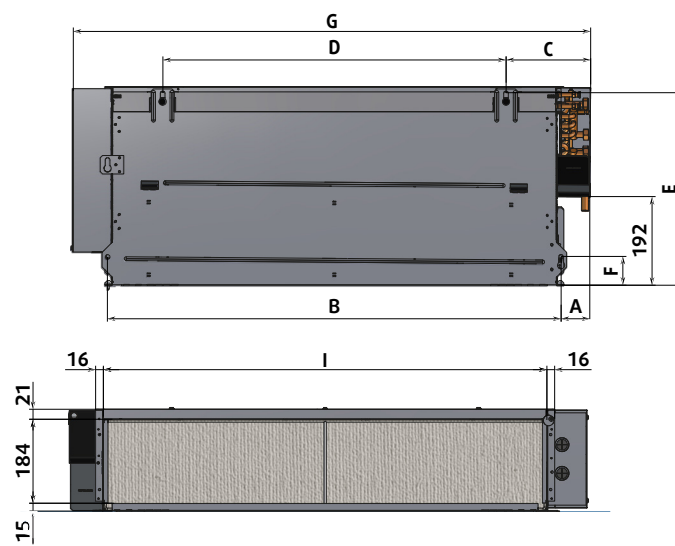
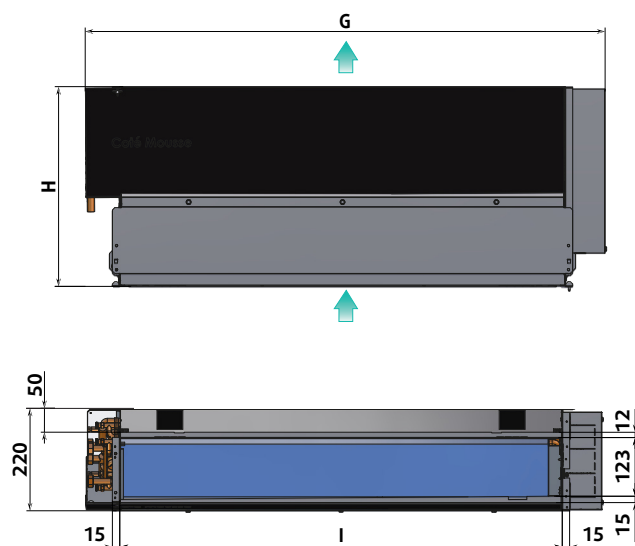
SysCoil Comfort with cabinet



	A	B	C	D	E	F	G	H
SCC10	240	428	360	189	415,5	61	766	477
SCC20	240	428	360	189	415,5	61	766	477
SCC30	240	613	360	374	415,5	61	951	477
SCC40	240	798	360	559	415,5	61	1136	477
SCC50	240	983	360	744	415,5	61	1321	477
SCC60	240	1168	360	929	415,5	61	1506	477
SCC70	240	983	360	744	517,5	61	1319	575
SCC80	240	1168	360	929	517,5	85	1506	575

Dimensions are in millimeters.

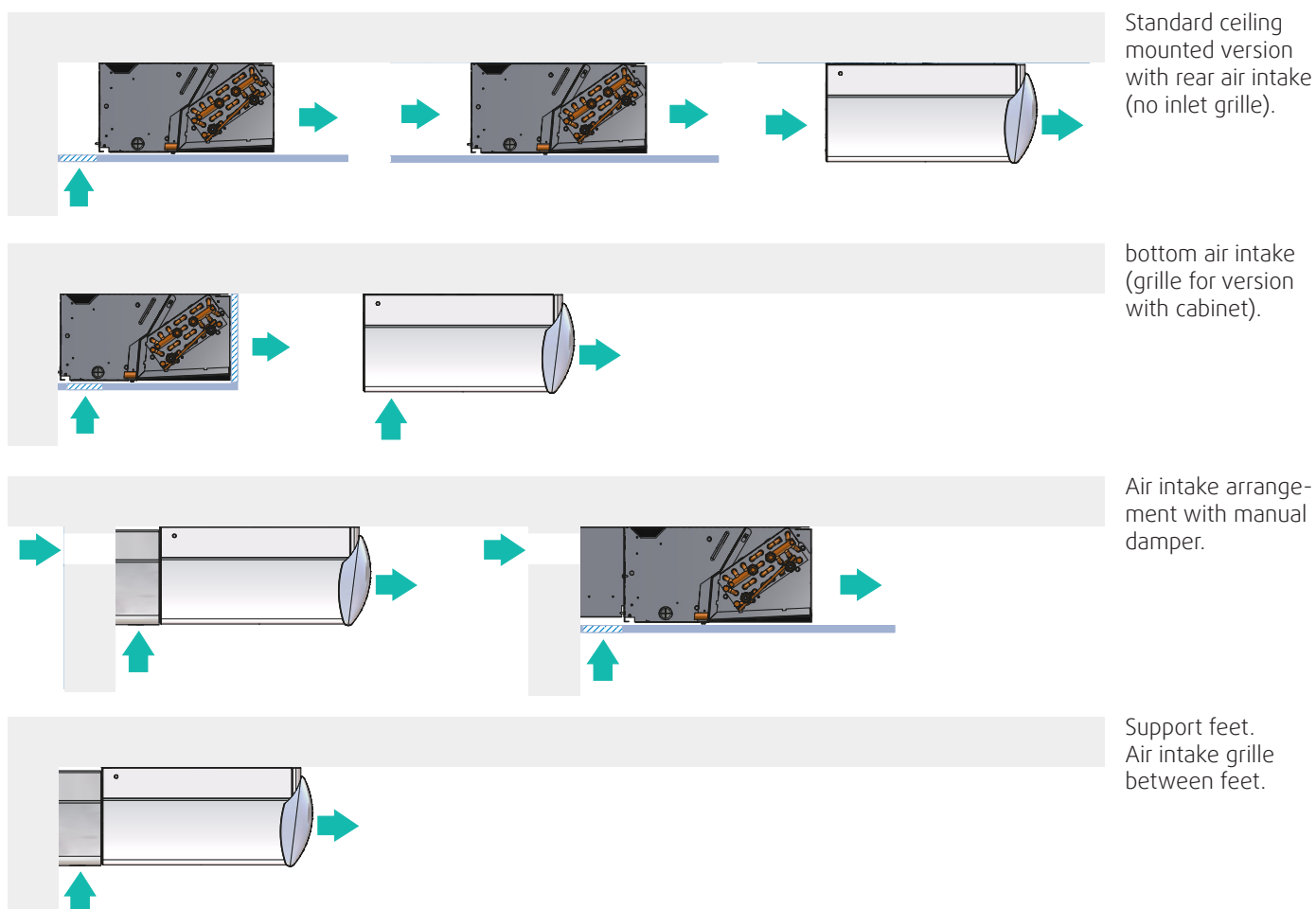
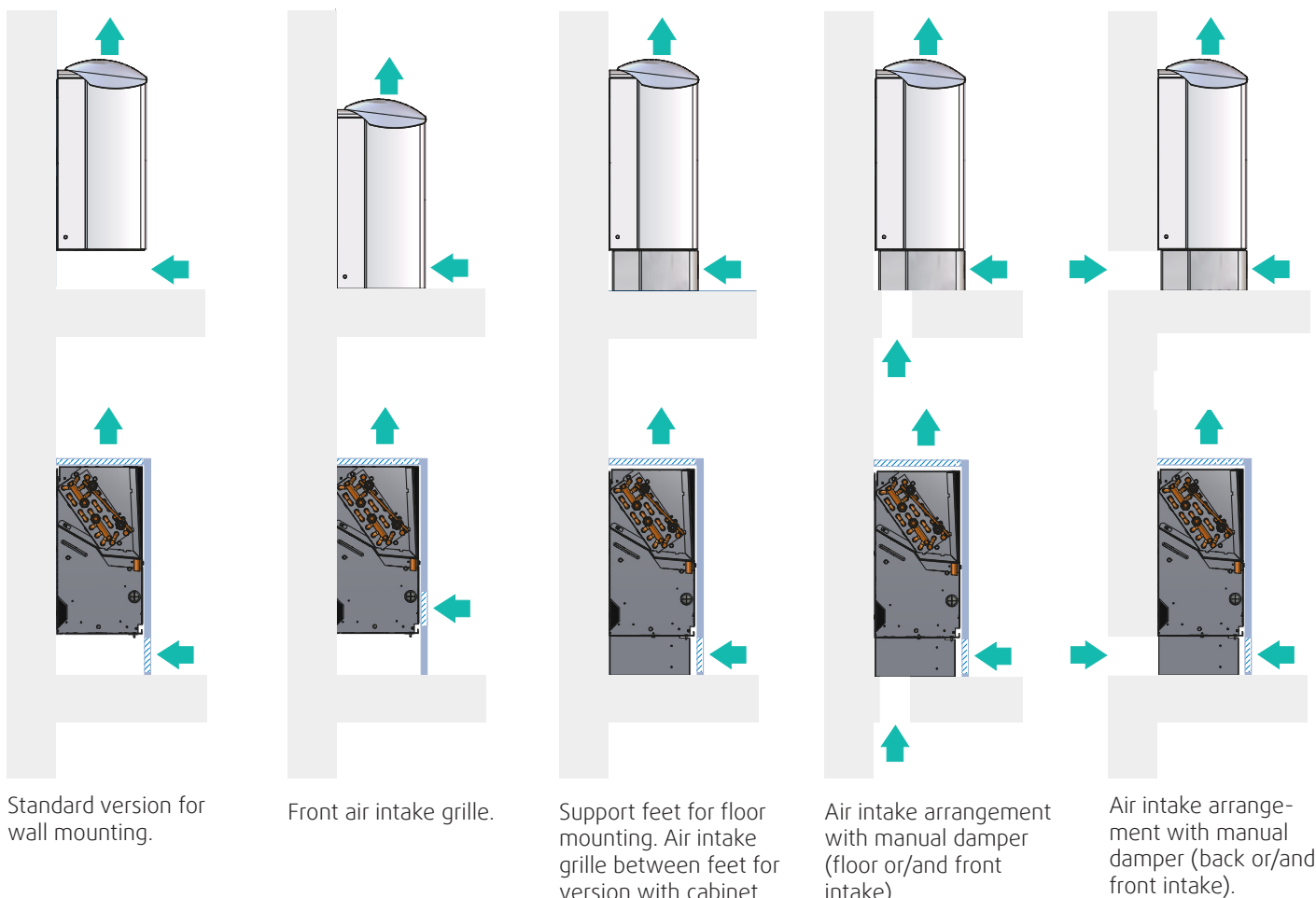
SysCoil Comfort without cabinet



	A	B	C	D	E	F	G	H	I
SCC10	66,5	428	185,5	189	415,5	61	569,5	430	407
SCC20	66,5	428	185,5	189	415,5	61	569,5	430	407
SCC30	64	613	184	374	415,5	61	753	430	592
SCC40	64	798	184	559	415,5	61	938	430	777
SCC50	63	983	183	744	415,5	61	1122	430	962
SCC60	63	1168	183	929	415,5	61	1307	430	1147
SCC70	63	983	195	744	519	88	1121	530	962
SCC80	69	1168	195	929	519	85	1316	530	1147

Dimensions are in millimeters.

Types of installation & Mounting accessories



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