



Technical Features



Range
Up to 13.8 ft



Heating types
E : electrical 3 stages
P : water
A : unheated



Casing
Galvanised Steel [*]



Airflow / Length
920 - 4100 cfm
3.2 ft to 10.5 ft



Heating capacity
E : 2 - 30.5 kW
P : 24.33 - 136.14
kBtu/h



Grille type
Micro-perforated
with prefilter function



Fans
Centrifugal
5-speed



Control
A, E : Plug&Play Advanced PRO
P : Plug&Play manual regulator
+ IR remote control



Outlet lamellas
Aluminium, airfoil type
Adjustable 0-15° each side

RAL 9016 standard Other colors on request Stainless steel

[*] Customizable dimensions on request

WINDBOX air curtains range provide equipment suitable for all types of commercial entrances. A compact and robust air curtain from our standard range with a timeless design, ready for visible installation over the door and prepared for multiple false ceiling installation configurations. Casing painted in RAL 9016. Other colors are available on request.

This air curtain model works with low noise double-inlet centrifugal fans with external rotor motor. EC models assembled with very low consumption efficiency fans.

"A", "E" type includes Advanced PRO control with LCD display and integrated thermostat, door contact, 23ft / 7m RJ45 cable and remote control. "P" type includes Plug&Play control with 7 m RJ45 cable, infrared remote control and magnetic door contact. For electrical heated models also thermostat.

Certifications

(1) AMCA Certified:



Energy Codes ASHRAE 90.1-2019, IECC 2018, and ASHRAE 189.1 vestibule exception validated by AMCA certification. Refer to Velocity Projection Chart below for information. Airtècnics certifies that the air curtains shown here in are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Program. Rated data shown is for base (unheated) units. The AMCA Certified Ratings Seal applies to airflow rate, average outlet velocity, outlet velocity uniformity, velocity projection and power rating at free delivery only.



AMCA Certified VELOCITY PROJECTION: Model Windbox ECG 1000A-240V 60Hz				
Distance from Nozzle (in)	40	80	120	160
Core Velocity (fpm)	1518	1120	957	817
Uniformity (%)	84%	93%	95%	93%



	Core Velocity	Uniformity
0		
40	1518fpm	84%
80	1120fpm	93%
120	957fpm	95%
160	817fpm	93%

CSA Certified:





✿ UNHEATED 208V-1ph~60Hz

Model	Airflow	Ventilation power 208V-1ph~60Hz	Ventilation current 208V-1ph~60Hz	Outlet Uniformity	Outlet maximum velocity	Outlet average velocity	Noise level (5 m)	Weight
	cfm	kW	A	%	fpm	fpm	dB(A)	lb
M 1000 A (¹)	955	0.238	1.14	58	3132	2300	54	68
M 1500 A (¹)	1430	0.357	1.70	58	3132	2300	55	101
M 2000 A (¹)	1910	0.476	2.27	58	3132	2300	56	128
M 2500 A (¹)	2385	0.595	2.84	58	3132	2300	57	159
M 3000 A (¹)	2860	0.714	3.41	58	3132	2300	58	190
G 1000 A	1265	0.357	1.70	-	-	-	56	95
G 1500 A	1685	0.476	2.27	-	-	-	57	112
G 2000 A	2525	0.714	3.41	-	-	-	58	176
G 2500 A	2950	0.833	3.97	-	-	-	59	185
G 3000 A	3370	0.952	4.54	-	-	-	60	209
ECG 1000 A (¹)	1450	0.350	2.63	91	3144	2750	60	95
ECG 1500 A (¹)	1920	0.466	3.50	91	3144	2750	61	112
ECG 2000 A (¹)	2880	0.699	5.25	91	3144	2750	62	176
ECG 2500 A (¹)	3360	0.816	6.13	91	3144	2750	63	185
ECG 3000 A (¹)	3840	0.932	7.00	91	3144	2750	64	209

✿ UNHEATED 240V-1ph~60Hz

Model	Airflow	Ventilation power 240V-1ph~60Hz	Ventilation current 240V-1ph~60Hz	Outlet Uniformity	Outlet maximum velocity	Outlet average velocity	Noise level (5 m)	Weight
	cfm	kW	A	%	fpm	fpm	dB(A)	lb
M 1000 A (¹)	1020	0.293	1.20	58	3238	2400	55	68
M 1500 A (¹)	1520	0.439	1.80	58	3238	2400	56	101
M 2000 A (¹)	2030	0.585	2.40	58	3238	2400	57	128
M 2500 A (¹)	2530	0.732	3.00	58	3238	2400	58	159
M 3000 A (¹)	3040	0.878	3.60	58	3238	2400	59	190
G 1000 A	1350	0.439	1.80	-	-	-	57	95
G 1500 A	1800	0.585	2.40	-	-	-	58	112
G 2000 A	2700	0.878	3.60	-	-	-	59	176
G 2500 A	3140	1.024	4.20	-	-	-	60	185
G 3000 A	3580	1.171	4.80	-	-	-	61	209
ECG 1000 A (¹)	1530	0.454	3.00	87	3375	3016	61	95
ECG 1500 A (¹)	2050	0.573	3.70	91	3252	2868	62	112
ECG 2000 A (¹)	3060	0.908	6.00	87	3374	3016	63	176
ECG 2500 A (¹)	3600	1.027	6.70	89	3300	2927	64	185
ECG 3000 A (¹)	4100	1.146	7.40	91	3252	2868	65	209

(¹) AMCA Certified.



ELECTRIC HEATED 208V-1ph~60Hz

Model	Airflow	Electrical heating capacity ⁽²⁾ 208V-3ph~60Hz	Electrical heating capacity ⁽²⁾ 460V-3ph~60Hz	Electrical heating capacity ⁽²⁾ 480V-3ph~60Hz	Electrical heating capacity ⁽²⁾ 575V-3ph~60Hz	Ventilation power 208V-1ph ~60Hz	Ventilation current 208V-1ph ~60Hz	Noise level (5 m)	Weight
	cfm	kW	kW	kW	kW	kW	A	dB(A)	lb
M 1000 E ⁽¹⁾	940	2/4/6	2/4.5/6.5	2.5/5/7.5	3.5/3.5/7	0.238	1.14	54	82
M 1500 E ⁽¹⁾	1400	3/6/9	3/6.5/9.5	3.5/7/10.5	5/5/10	0.357	1.70	55	126
M 2000 E ⁽¹⁾	1875	4/8/12	4/8.5/12.5	4.5/9/13.5	6.5/6.5/13	0.476	2.27	56	165
M 2500 E ⁽¹⁾	2340	5/8/13	5/10/15	5.5/11/16.5	8/8/16	0.595	2.84	57	207
M 3000 E ⁽¹⁾	2810	6.5/8/14.5	6/12/18	6.5/13/19.5	9.5/9.5/19	0.714	3.41	58	247
G 1000 E	1250	2.5/5/7.5	2.5/5/7.5	3/5.5/8.5	3.5/4/7.5	0.357	1.70	56	115
G 1500 E	1660	3.5/6.5/10	3.5/7/10.5	4/7.5/11.5	5/5.5/10.5	0.476	2.27	57	139
G 2000 E	2500	5/9/14	5/10.5/15.5	5.5/11/16.5	6.5/8/14.5	0.714	3.41	58	220
G 2500 E	2910	5.5/9/14.5	6/12/18	6.5/13/19.5	8/9.5/17.5	0.833	3.97	59	234
G 3000 E	3320	6.5/8/14.5	6/12/18	6.5/13/19.5	9.5/9.5/19	0.952	4.54	60	265
ECG 1000 E ⁽¹⁾	1425	4/8/12	4/8/12	4.3/8.7/13	4/8/12	0.350	2.63	60	115
ECG 1500 E ⁽¹⁾	1900	6/9.5/15.5	5.5/10.5/16	5.8/11.7/17.5	5.5/11/16.5	0.466	3.50	61	139
ECG 2000 E ⁽¹⁾	2850	5/9/14	8/16.5/24.5	8.8/17.7/26.5	8/16/24	0.699	5.25	62	220
ECG 2500 E ⁽¹⁾	3320	5.5/9/14.5	9.5/18.5/28	10.2/20.3/30.5	9.5/19/28.5	0.816	6.13	63	234
ECG 3000 E ⁽¹⁾	3800	6.5/8/14.5	9.5/18.5/28	10.2/20.3/30.5	9.5/19/28.5	0.932	7.00	64	265

For 208V~3ph~60Hz air curtains there is only needed to connect three-phase power supply.

For the rest of air curtains, there is needed to connect both three-phase (for electrical heating) and single phase (for fans).

ELECTRIC HEATED 240V-1ph~60Hz

Model	Airflow	Electrical heating capacity ⁽²⁾ 208V-3ph~60Hz	Electrical heating capacity ⁽²⁾ 460V-3ph~60Hz	Electrical heating capacity ⁽²⁾ 480V-3ph~60Hz	Electrical heating capacity ⁽²⁾ 575V-3ph~60Hz	Ventilation power 240V-1ph ~60Hz	Ventilation current 240V-1ph ~60Hz	Noise level (5 m)	Weight
	cfm	kW	kW	kW	kW	kW	A	dB(A)	lb
M 1000 E ⁽¹⁾	995	2.5/5/7.5	3.3/6.7/10	3.7/7.3/11	3.5/7/10.5	0.293	1.20	55	82
M 1500 E ⁽¹⁾	1500	3/6.5/9.5	4.8/9.7/14.5	5.2/10.3/15.5	5/10/15	0.439	1.80	56	126
M 2000 E ⁽¹⁾	2000	4/8/12	6.5/13/19.5	7/14/21	6.5/13/19.5	0.585	2.40	57	165
M 2500 E ⁽¹⁾	2500	5/8/13	8.2/16.3/24.5	8.8/17.7/26.5	8/16/24	0.732	3.00	58	207
M 3000 E ⁽¹⁾	3000	6.5/8/14.5	9.3/18.7/28	10.3/20.3/30.5	9.5/19/28.5	0.878	3.60	59	247
G 1000 E	1325	4/8/12	4/8/12	4.3/8.7/13	4/8/12	0.439	1.80	57	115
G 1500 E	1770	6/9.5/15.5	5.3/10.7/16	5.8/11.7/17.5	5.5/11/16.5	0.585	2.40	58	139
G 2000 E	2650	5/9/14	8.2/16.3/24.5	8.8/17.7/26.5	8/16/24	0.878	3.60	59	220
G 2500 E	3090	5.5/9/14.5	9.3/18.7/28	10.2/20.3/30.5	9.5/19/28.5	1.024	4.20	60	234
G 3000 E	3540	6.5/8/14.5	9.3/18.7/28	10.2/20.3/30.5	9.5/19/28.5	1.171	4.80	61	265
ECG 1000 E ⁽¹⁾	1500	4/8/12	4/8/12	4.3/8.7/13	4/8/12	0.454	3.00	61	115
ECG 1500 E ⁽¹⁾	2000	6/9.5/15.5	5.3/10.7/16	5.8/11.7/17.5	5.5/11/16.5	0.573	3.70	62	139
ECG 2000 E ⁽¹⁾	3000	5/9/14	8.2/16.3/24.5	8.8/17.7/26.5	8/16/24	0.908	6.00	63	220
ECG 2500 E ⁽¹⁾	3500	5.5/9/14.5	9.3/18.7/28	10.2/20.3/30.5	9.5/19/28.5	1.027	6.70	64	234
ECG 3000 E ⁽¹⁾	4000	6.5/8/14.5	9.3/18.7/28	10.2/20.3/30.5	9.5/19/28.5	1.146	7.40	65	265

⁽¹⁾ AMCA Certified.

⁽²⁾ Under request other electrical heating power can be limited.



WATER HEATED 208V-1ph~60Hz

Model	Airflow cfm	P86 (80/60°C)		P64 (60/40°C)		P54 (50/40°C)		Ventilation power 208V-1ph ~60Hz	Ventilation current 208V-1ph ~60Hz	Noise level (5 m)	Weight
		Water heating capacity kBtu/h	Water pressure drop psi	Water heating capacity kBtu/h	Water pressure drop psi	Water heating capacity kBtu/h	Water pressure drop psi	kW	A	dB(A)	lb
M 1000 P	920	24.33	0.02	26.68	0.59	26.49	0.16	0.185	1.80	55	77
M 1500 P	1340	46.78	0.10	42.69	0.87	44.56	0.60	0.278	2.70	56	117
M 2000 P	1840	67.73	0.26	56.91	0.64	57.90	0.28	0.370	3.59	57	152
M 2500 P	2300	88.31	0.51	70.97	0.52	75.54	0.54	0.463	4.49	58	190
M 3000 P	2800	108.98	0.89	88.41	0.91	92.47	0.76	0.555	5.39	59	227
G 1000 P	1210	29.52	0.03	31.94	0.81	32.21	0.23	0.278	2.70	55	77
G 1500 P	1620	51.69	0.12	47.39	1.05	49.92	0.73	0.370	3.59	56	117
G 2000 P	2500	80.42	0.35	68.31	0.89	70.60	0.39	0.555	5.39	57	152
G 2500 P	2850	100.52	0.65	81.48	0.66	87.69	0.70	0.648	6.29	58	190
G 3000 P	3230	120.45	1.06	98.24	1.10	103.66	0.93	0.740	7.19	59	227
ECG 1000 P (¹)	1400	38.69	1290	34.84	6510	35.40	0.28	0.350	2.63	55	77
ECG 1500 P (¹)	1850	56.20	990	51.76	8440	54.94	0.87	0.466	3.50	56	117
ECG 2000 P (¹)	2780	87.38	2830	74.52	7170	77.66	0.46	0.699	5.25	57	152
ECG 2500 P (¹)	3240	109.33	5180	86.06	5330	96.53	0.84	0.816	6.13	58	190
ECG 3000 P (¹)	3700	131.09	8520	107.45	8860	114.20	1.10	0.932	7.00	59	227

Water heated: connection pipes P86 and P64 are 2x G(BSPP) 3/4" female (male if lateral pipes), P54 2x G(BSPP) 1" male.
P86 2 rows coil, P64 3 rows coil, P54 4 rows coil.

WATER HEATED 240V-1ph~60Hz

Model	Airflow cfm	P86 (80/60°C)		P64 (60/40°C)		P54 (50/40°C)		Ventilation power 240V-1ph ~60Hz	Ventilation current 240V-1ph ~60Hz	Noise level (5 m)	Weight
		Water heating capacity kBtu/h	Water pressure drop psi	Water heating capacity kBtu/h	Water pressure drop psi	Water heating capacity kBtu/h	Water pressure drop psi	kW	A	dB(A)	lb
M 1000 P	980	25.45	0.02	27.81	0.63	27.71	0.18	0.454	1.90	56	77
M 1500 P	1470	48.66	0.11	44.49	0.94	46.61	0.65	0.681	2.85	57	117
M 2000 P	1960	70.46	0.28	59.34	0.69	60.60	0.30	0.908	3.80	58	152
M 2500 P	2450	91.85	0.55	74.01	0.56	79.03	0.59	1.135	4.75	59	190
M 3000 P	2940	113.39	0.96	92.16	0.98	100.15	0.82	1.363	5.70	60	227
G 1000 P	1290	37.06	0.17	33.27	0.87	33.68	0.25	0.681	2.85	56	77
G 1500 P	1720	53.78	0.13	49.41	1.13	52.21	0.80	0.908	3.80	57	117
G 2000 P	2580	83.63	0.38	71.18	0.96	73.84	0.42	1.363	5.70	58	152
G 2500 P	3010	104.55	0.69	84.96	0.71	91.72	0.76	1.590	6.65	59	190
G 3000 P	3450	125.33	1.14	102.47	1.18	108.47	1.01	1.817	7.60	60	227
ECG 1000 P (¹)	1475	40.06	0.20	36.13	1.01	36.85	0.30	0.454	3.00	61	77
ECG 1500 P (¹)	1970	58.31	0.15	53.84	1.31	57.32	0.94	0.573	3.70	62	117
ECG 2000 P (¹)	2950	90.56	0.44	77.46	1.11	80.90	0.50	0.908	6.00	63	152
ECG 2500 P (¹)	3450	110.04	0.80	92.61	0.83	100.69	0.90	1.027	6.70	64	190
ECG 3000 P (¹)	3940	136.14	1.32	111.82	1.38	119.29	1.19	1.146	7.40	65	227

Water heated: connection pipes P86 and P64 are 2x G(BSPP) 3/4" female (male if lateral pipes), P54 2x G(BSPP) 1" male.
P86 2 rows coil, P64 3 rows coil, P54 4 rows coil.

(¹) AMCA Certified.

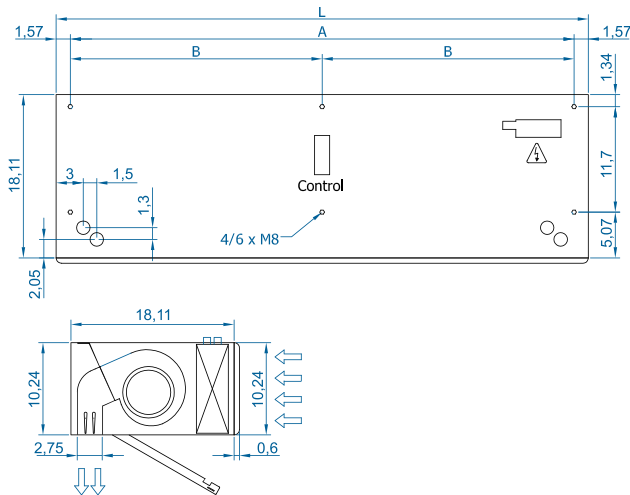


Selection program

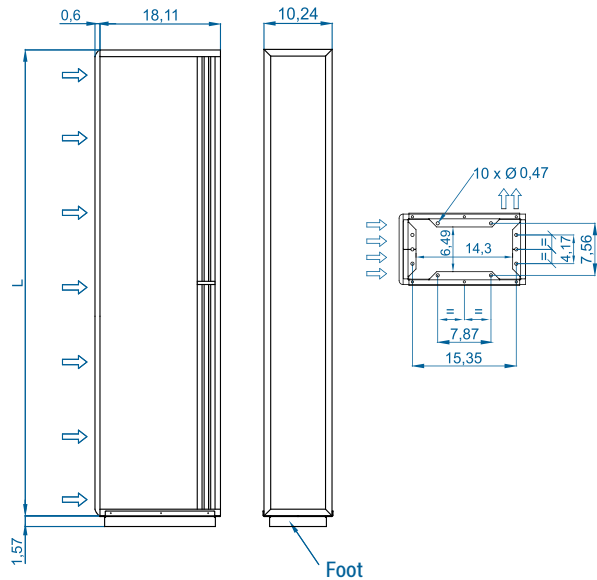


Dimensions

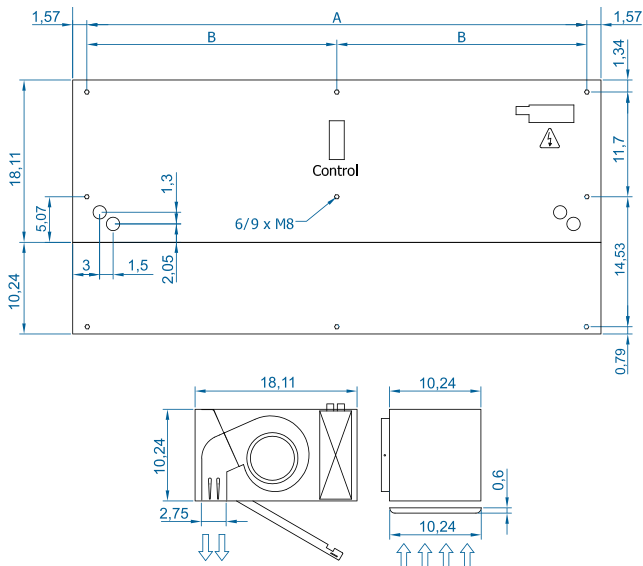
Horizontal installation



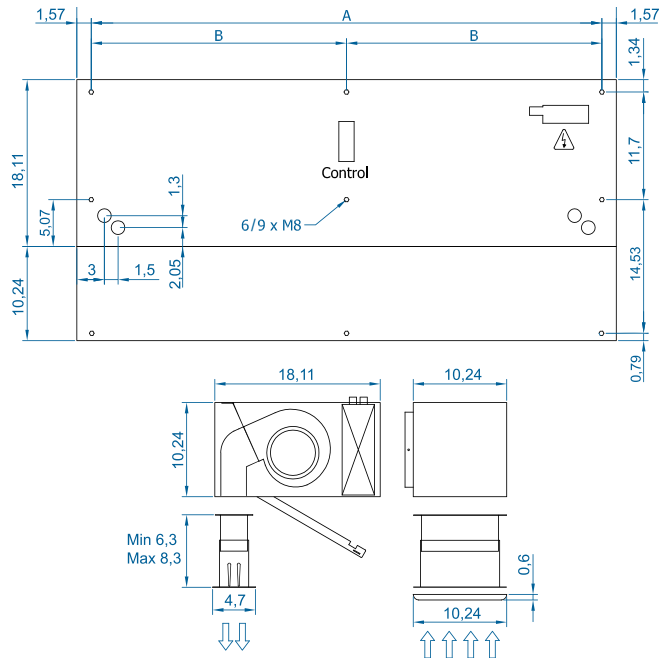
Vertical installation



Inside ceiling surface mounting



False ceiling invisible mounting



Model	L	A	B
1000	39.37	36.22	-
1500	59.06	55.91	27.95
2000	78.74	75.60	37.80
2500	98.42	95.28	47.64
3000	118.11	114.96	57.48

Customizable dimensions on request.

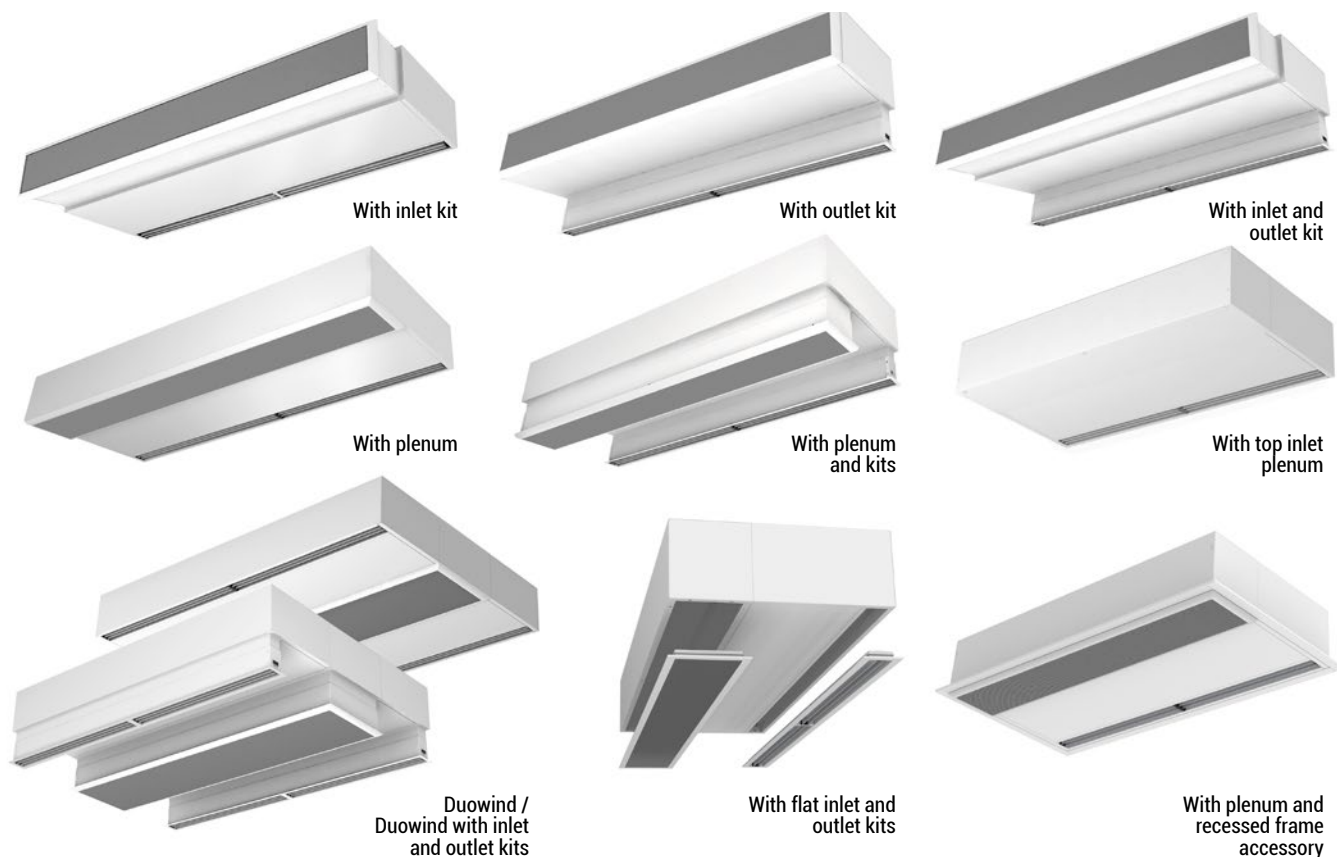
All dimensions in inches

CAD drawings, installation manuals
and other documentation



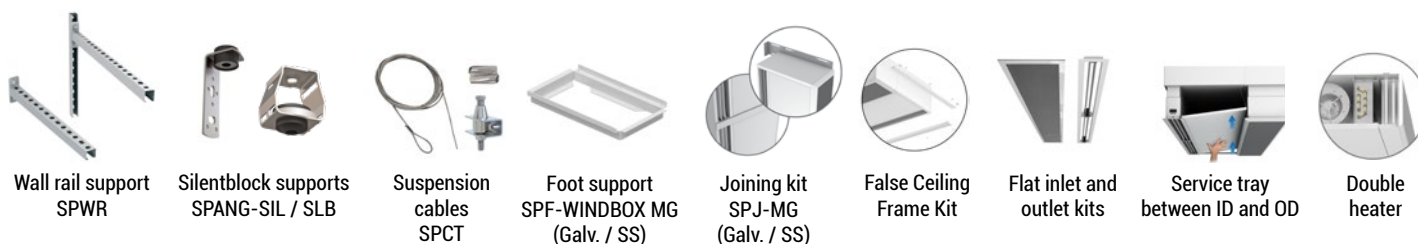


Installation Configurations

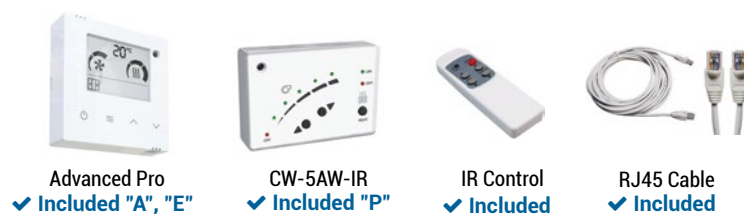


Optional accessories

Supports and installation



Control



Sensors

