

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

DAM is an air curtain from the standard range that stands out for its versatility and the design of its front part. The classic suction grille has been efficiently replaced by a front panel that can be customised with logos, signage, graphics or images providing a modern and clean view of the equipment. The double air inlet areas are located behind the front panel. They do not need maintenance. Casing painted in RAL 9016. Other colors are available on request.

This air curtain model works with double-inlet centrifugal fans driven by an external rotor motor with low noise level. 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.

CSA certified:



❄ UNHEATED 208V-1ph~60Hz

Model	Airflow cfm	Ventilation power 208V-1ph~60Hz kW	Ventilation current 208V-1ph~60Hz A	Outlet Uniformity %	Outlet maximum velocity fpm	Outlet average velocity fpm	Noise level (5 m) dB(A)	Weight lb
DAM M 1000 A	955	0.238	1.14	58	3132	2300	54	84
DAM M 1500 A	1430	0.357	1.70	58	3132	2300	55	124
DAM M 2000 A	1910	0.476	2.27	58	3132	2300	56	154
DAM M 2500 A	2385	0.595	2.84	58	3132	2300	57	168
DAM M 3000 A	2860	0.714	3.41	58	3132	2300	58	194
DAM G 1000 A	1265	0.357	1.70	-	-	-	56	93
DAM G 1500 A	1685	0.476	2.27	-	-	-	57	135
DAM G 2000 A	2525	0.714	3.41	-	-	-	58	176
DAM G 2500 A	2950	0.833	3.97	-	-	-	59	190
DAM G 3000 A	3370	0.952	4.54	-	-	-	60	216
DAM ECG 1000 A	1450	0.350	2.63	91	3144	2750	60	93
DAM ECG 1500 A	1920	0.466	3.50	91	3144	2750	61	135
DAM ECG 2000 A	2880	0.699	5.25	91	3144	2750	62	176
DAM ECG 2500 A	3360	0.816	6.13	91	3144	2750	63	190
DAM ECG 3000 A	3840	0.932	7.00	91	3144	2750	64	216



✱ 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
DAM M 1000 A	1020	0.293	1.20	58	3238	2400	55	84
DAM M 1500 A	1520	0.439	1.80	58	3238	2400	56	124
DAM M 2000 A	2030	0.585	2.40	58	3238	2400	57	154
DAM M 2500 A	2530	0.732	3.00	58	3238	2400	58	168
DAM M 3000 A	3040	0.878	3.60	58	3238	2400	59	194
DAM G 1000 A	1350	0.439	1.80	-	-	-	57	93
DAM G 1500 A	1800	0.585	2.40	-	-	-	58	135
DAM G 2000 A	2700	0.878	3.60	-	-	-	59	176
DAM G 2500 A	3140	1.024	4.20	-	-	-	60	190
DAM G 3000 A	3580	1.171	4.80	-	-	-	61	216
DAM ECG 1000 A	1530	0.454	3.00	87	3375	3016	61	93
DAM ECG 1500 A	2050	0.573	3.70	91	3252	2868	62	135
DAM ECG 2000 A	3060	0.908	6.00	87	3374	3016	63	176
DAM ECG 2500 A	3600	1.027	6.70	89	3300	2927	64	190
DAM ECG 3000 A	4100	1.146	7.40	91	3252	2868	65	216

⚡ 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
DAM M 1000 E	940	2/4/6	2/4.5/6.5	2.5/5/7.5	3.5/3.5/7	0.238	1.14	54	99
DAM M 1500 E	1400	3/6/9	3/6.5/9.5	3.5/7/10.5	5/5/10	0.357	1.70	55	150
DAM M 2000 E	1875	4/8/12	4/8.5/12.5	4.5/9/13.5	6.5/6.5/13	0.476	2.27	56	194
DAM M 2500 E	2340	5/8/13	5/10/15	5.5/11/16.5	8/8/16	0.595	2.84	57	212
DAM M 3000 E	2810	6.5/8/14.5	6/12/18	6.5/13/19.5	9.5/9.5/19	0.714	3.41	58	245
DAM 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	110
DAM 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	163
DAM 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	216
DAM 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
DAM 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	267
DAM ECG 1000 E	1425	4/8/12	4/8/12	4.3/8.7/13	4/8/12	0.350	2.63	60	110
DAM ECG 1500 E	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	163
DAM ECG 2000 E	2850	5/9/14	8/16.5/24.5	8.8/17.7/26.5	8/16/24	0.699	5.25	62	216
DAM ECG 2500 E	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
DAM ECG 3000 E	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	267

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

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)	Electrical heating capacity (²)	Electrical heating capacity (²)	Electrical heating capacity (²)	Ventilation power 240V-1ph ~60Hz	Ventilation current 240V-1ph ~60Hz	Noise level (5 m)	Weight
		208V-3ph~60Hz	460V-3ph~60Hz	480V-3ph~60Hz	575V-3ph~60Hz	kW	A		
	cfm	kW	kW	kW	kW			dB(A)	lb
DAM M 1000 E	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	99
DAM M 1500 E	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	150
DAM M 2000 E	2000	4/8/12	6.5/13/19.5	7/14/21	6.5/13/19.5	0.585	2.40	57	194
DAM M 2500 E	2500	5/8/13	8.2/16.3/24.5	8.8/17.7/26.5	8/16/24	0.732	3.00	58	212
DAM M 3000 E	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	245
DAM G 1000 E	1325	4/8/12	4/8/12	4.3/8.7/13	4/8/12	0.439	1.80	57	110
DAM 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	163
DAM 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	216
DAM 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
DAM 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	267
DAM ECG 1000 E	1500	4/8/12	4/8/12	4.3/8.7/13	4/8/12	0.454	3.00	61	110
DAM ECG 1500 E	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	163
DAM ECG 2000 E	3000	5/9/14	8.2/16.3/24.5	8.8/17.7/26.5	8/16/24	0.908	6.00	63	216
DAM ECG 2500 E	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
DAM ECG 3000 E	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	267

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

WATER HEATED 208V-1ph~60Hz (³)

Model	Airflow	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	Water pressure drop	Water heating capacity	Water pressure drop	Water heating capacity	Water pressure drop	kW	A		
	cfm	kBtu/h	psi	kBtu/h	psi	kBtu/h	psi			dB(A)	lb
DAM M 1000 P	920	24.33	0.02	26.68	0.59	26.49	0.16	0.238	1.14	55	95
DAM M 1500 P	1340	46.78	0.10	42.69	0.87	44.56	0.60	0.357	1.70	56	141
DAM M 2000 P	1840	67.73	0.26	56.91	0.64	57.90	0.28	0.476	2.27	57	179
DAM M 2500 P	2300	88.31	0.51	70.97	0.52	75.54	0.54	0.595	2.84	58	196
DAM M 3000 P	2800	108.98	0.89	88.41	0.91	92.47	0.76	0.714	3.41	59	227
DAM G 1000 P	1210	29.52	0.03	31.94	0.81	32.21	0.23	0.357	1.70	56	106
DAM G 1500 P	1620	51.69	0.12	47.39	1.05	49.92	0.73	0.476	2.27	57	154
DAM G 2000 P	2500	80.42	0.35	68.31	0.89	70.60	0.39	0.714	3.41	58	200
DAM G 2500 P	2850	100.52	0.65	81.48	0.66	87.69	0.70	0.833	3.97	59	214
DAM G 3000 P	3230	120.45	1.06	98.24	1.10	103.66	0.93	0.952	4.54	60	245
DAM ECG 1000 P	1400	38.69	1290	34.84	6510	35.40	0.28	0.350	2.63	60	106
DAM ECG 1500 P	1850	56.20	990	51.76	8440	54.94	0.87	0.466	3.50	61	154
DAM ECG 2000 P	2780	87.38	2830	74.52	7170	77.66	0.46	0.699	5.25	62	200
DAM ECG 2500 P	3240	109.33	5180	86.06	5330	96.53	0.84	0.816	6.13	63	214
DAM ECG 3000 P	3700	131.09	8520	107.45	8860	114.20	1.10	0.932	7.00	64	245

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

(³) Air curtain with CSA components, but without being certified.



WATER HEATED 240V-1ph~60Hz ⁽³⁾

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
DAM M 1000P	980	25.45	0.02	27.81	0.63	27.71	0.18	0.293	1.20	56	95
DAM M 1500P	1470	48.66	0.11	44.49	0.94	46.61	0.65	0.439	1.80	57	141
DAM M 2000P	1960	70.46	0.28	59.34	0.69	60.60	0.30	0.585	2.40	58	179
DAM M 2500P	2450	91.85	0.55	74.01	0.56	79.03	0.59	0.732	3.00	59	196
DAM M 3000P	2940	113.39	0.96	92.16	0.98	100.15	0.82	0.878	3.60	60	227
DAM G 1000P	1290	37.06	0.17	33.27	0.87	33.68	0.25	0.439	1.80	57	106
DAM G 1500P	1720	53.78	0.13	49.41	1.13	52.21	0.80	0.585	2.40	58	154
DAM G 2000P	2580	83.63	0.38	71.18	0.96	73.84	0.42	0.878	3.60	59	200
DAM G 2500P	3010	104.55	0.69	84.96	0.71	91.72	0.76	1.024	4.20	60	214
DAM G 3000P	3450	125.33	1.14	102.47	1.18	108.47	1.01	1.171	4.80	61	245
DAM ECG 1000 P	1475	40.06	0.20	36.13	1.01	36.85	0.30	0.454	3.00	61	106
DAM ECG 1500 P	1970	58.31	0.15	53.84	1.31	57.32	0.94	0.573	3.70	62	154
DAM ECG 2000 P	2950	90.56	0.44	77.46	1.11	80.90	0.50	0.908	6.00	63	200
DAM ECG 2500 P	3450	110.04	0.80	92.61	0.83	100.69	0.90	1.027	6.70	64	214
DAM ECG 3000 P	3940	136.14	1.32	111.82	1.38	119.29	1.19	1.146	7.40	65	245

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.

⁽³⁾ Air curtain with CSA components, but without being certified.

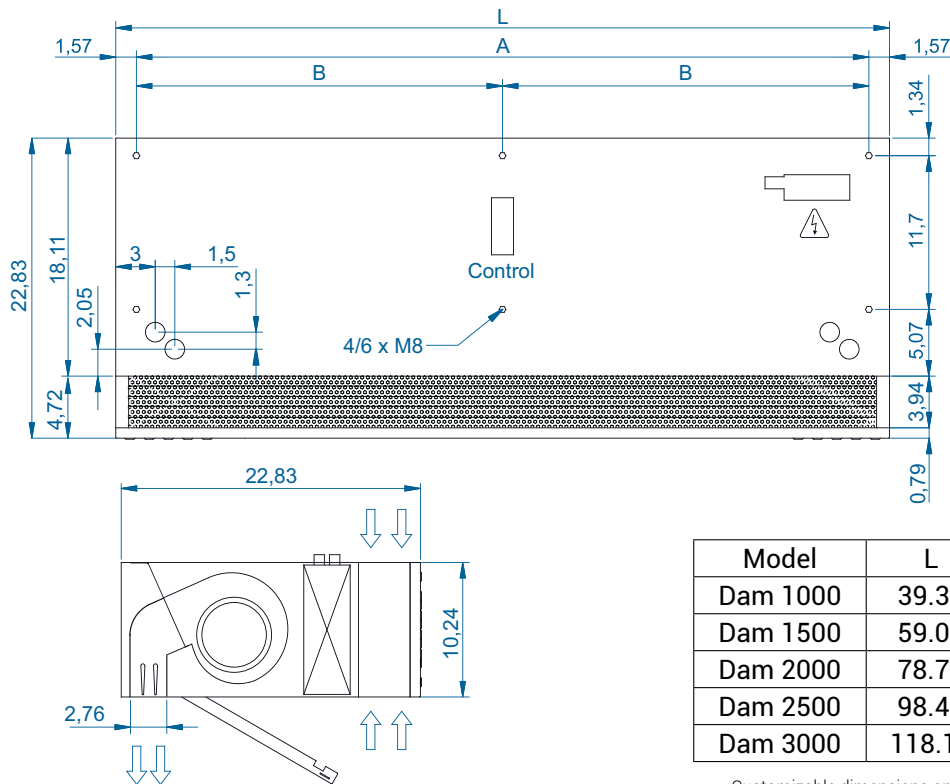


Selection program

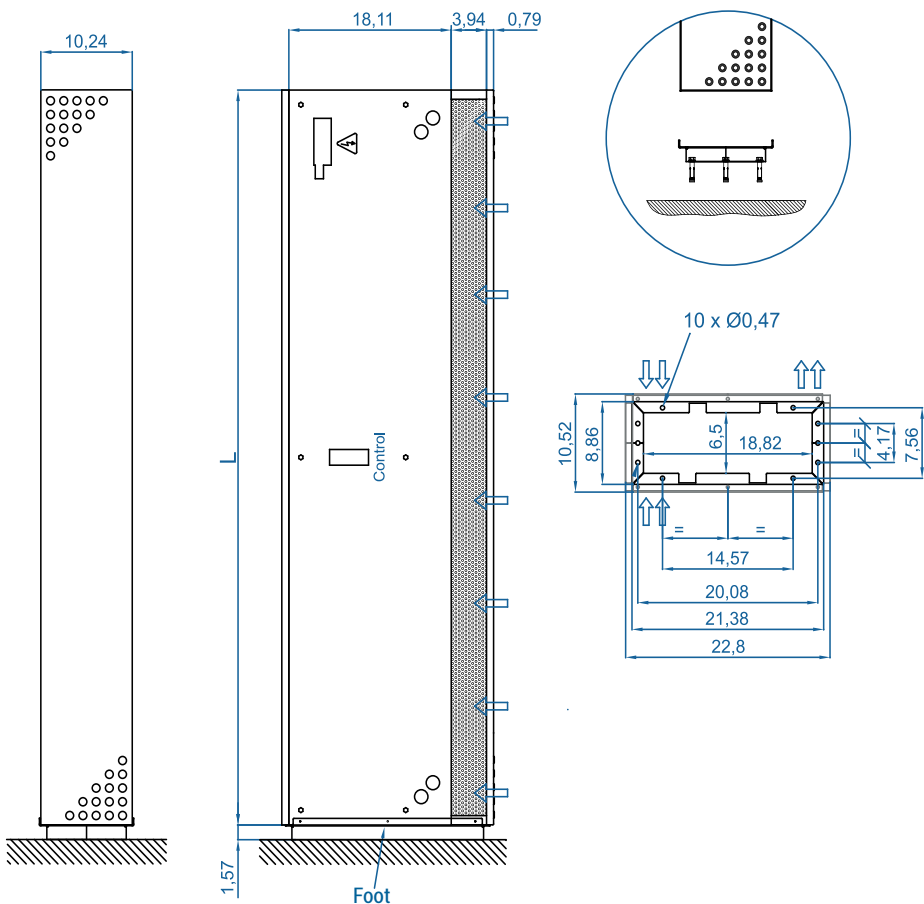


Dimensions

Horizontal installation



Vertical installation



CAD drawings, installation manuals
and other documentation

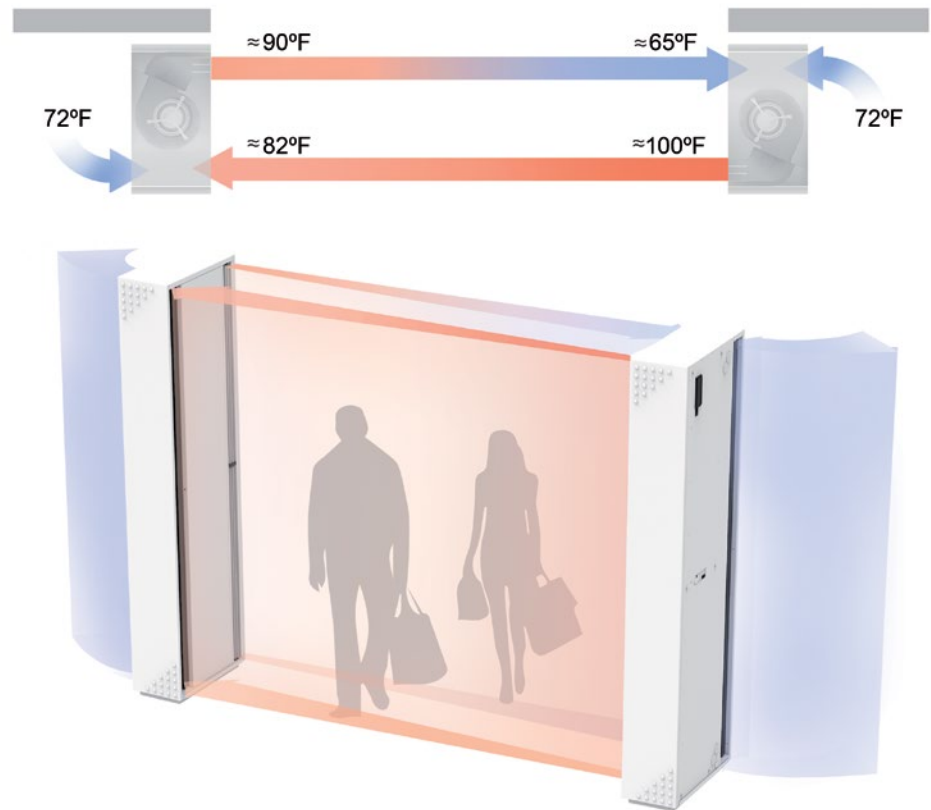


Dam Twin application

DAM TWIN system is an optimal solution for installations with very adverse conditions.

The system consists on two vertical DAM air curtains face to face, one with the air jet ahead and the other behind.

At the end of each jet there is the inlet of the other air curtain helping to close the air barrier. This double jet works as a closed circuit creating a separation zone at the door entrance.



WATCH VIDEO

Optional accessories

Supports and installation



Wall rail support
SPWR



Silentblock supports
SPANG-SIL / SLB



Suspension
cables
SPCT



Foot support
SPF-DAM
(Galv. / SS)



Joining kit
SPJ-MG
(Galv. / SS)



False Ceiling
Frame Kit

Control



Advanced Pro
✓ Included "A", "E"



CW-5AW-IR
✓ Included "P"



IR Control
✓ Included



RJ45 Cable
✓ Included

Sensors



Magnetic
door contact MAG-DC
✓ Included



Mechanical
door contact MEC-DC