RECESSED DAM

HIGH PRESSURE RECESSED
AIR CURTAINS FOR COMMERCIAL DOORS

Technical Features

RAL 9016 standard

Other colors on request

Range
Up to 4.2 m

Airflow / Length
1560 - 6070 m3/h
1 m to 2.5 m

Fans
Centrifugal
5-speed

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

Heating capacity
E : 2 - 30.5 kW
P : 7.13 - 32.04 kW

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

Casing
Galvanised Steel [*]

Grille type
Micro-perforated with prefilter function

Outlet lamellas
Aluminium, airfoil type

[*] Customizable dimensions on request

RECESSED DAM is a high pressure compact and low profile air curtain from our standard range. It is specially designed for recessed installation in false ceilings, suitable for all types of commercial entrances. Its design is characterized by providing a full view of the inlet and outlet slatted grille, which is maintenance-free and is completely integrated into a single frame colour RAL 9016. Other colours 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	Ventilation power 208V-1ph~60Hz	Ventilation current 208V-1ph~60Hz	Outlet Uniformity	Outlet maximum velocity	Outlet average velocity	Noise level (5 m)	Weight
	m3/h	kW	A	%	m/s	m/s	dB(A)	kg
RDAM M 1000 A	1620	0.238	1.14	58	15.91	11.69	54	45
RDAM M 1500 A	2430	0.357	1.70	58	15.91	11.69	55	66
RDAM M 2000 A	3240	0.476	2.27	58	15.91	11.69	56	84
RDAM M 2500 A	4050	0.595	2.84	58	15.91	11.69	57	93
RDAM G 1000 A	2145	0.357	1.70	-	-	-	56	49
RDAM G 1500 A	2860	0.476	2.27	-	-	-	57	71
RDAM G 2000 A	4290	0.714	3.41	-	-	-	58	94
RDAM G 2500 A	5005	0.833	3.97	-	-	-	59	103
RDAM ECG 1000 A	2445	0.350	2.63	91	15.97	13.97	60	49
RDAM ECG 1500 A	3260	0.466	3.50	91	15.97	13.97	61	71
RDAM ECG 2000 A	4890	0.699	5.25	91	15.97	13.97	62	94
RDAM ECG 2500 A	5705	0.816	6.13	91	15.97	13.97	63	103

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HIGH PRESSURE RECESSED
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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
	m3/h	kW	A	%	m/s	m/s	dB(A)	kg
RDAM M 1000 A	1720	0.293	1.20	58	16.45	12.20	55	45
RDAM M 1500 A	2580	0.439	1.80	58	16.45	12.20	56	66
RDAM M 2000 A	3440	0.585	2.40	58	16.45	12.20	57	84
RDAM M 2500 A	4300	0.732	3.00	58	16.45	12.20	58	93
RDAM G 1000 A	2280	0.439	1.80	-	-	-	57	49
RDAM G 1500 A	3040	0.585	2.40	-	-	-	58	71
RDAM G 2000 A	4560	0.878	3.60	-	-	-	59	94
RDAM G 2500 A	5320	1.024	4.20	-	-	-	60	103
RDAM ECG 1000 A	2600	0.454	3.00	87	17.14	15.32	61	49
RDAM ECG 1500 A	3470	0.573	3.70	91	16.52	14.57	62	71
RDAM ECG 2000 A	5200	0.908	6.00	87	17.14	15.32	63	94
RDAM ECG 2500 A	6070	1.027	6.70	89	16.77	14.87	64	103

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
	m3/h	kW	kW	kW	kW	kW	A	dB(A)	kg
RDAM M 1000 E	1590	2/4/6	2/4.5/6.5	2.5/5/7.5	3.5/3.5/7	0.238	1.14	54	52
RDAM M 1500 E	2385	3/6/9	3/6.5/9.5	3.5/7/10.5	5/5/10	0.357	1.70	55	78
RDAM M 2000 E	3180	4/8/12	4/8.5/12.5	4.5/9/13.5	6.5/6.5/13	0.476	2.27	56	102
RDAM M 2500 E	3975	5/8/13	5/10/15	5.5/11/16.5	8/8/16	0.595	2.84	57	113
RDAM G 1000 E	2115	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	57
RDAM G 1500 E	2820	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	84
RDAM G 2000 E	4230	5/9/14	5/10.5/15.5	5.5/11/16.5	6.5/8/14.5	0.714	3.41	58	112
RDAM G 2500 E	4935	5.5/9/14.5	6/12/18	6.5/13/19.5	8/9.5/17.5	0.833	3.97	59	123
RDAM ECG 1000 E	2415	4/8/12	4/8/12	4.3/8.7/13	4/8/12	0.350	2.63	60	57
RDAM ECG 1500 E	3220	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	84
RDAM ECG 2000 E	4830	5/9/14	8/16.5/24.5	8.8/17.7/26.5	8/16/24	0.699	5.25	62	112
RDAM ECG 2500 E	5635	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	123

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
	m3/h	kW	kW	kW	kW	kW	A	dB(A)	kg
RDAM M 1000 E	1690	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	52
RDAM M 1500 E	2535	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	78
RDAM M 2000 E	3380	4/8/12	6.5/13/19.5	7/14/21	6.5/13/19.5	0.585	2.40	57	102
RDAM M 2500 E	4225	5/8/13	8.2/16.3/24.5	8.8/17.7/26.5	8/16/24	0.732	3.00	58	113
RDAM G 1000 E	2250	4/8/12	4/8/12	4.3/8.7/13	4/8/12	0.439	1.80	57	57
RDAM G 1500 E	3000	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	84
RDAM G 2000 E	4500	5/9/14	8.2/16.3/24.5	8.8/17.7/26.5	8/16/24	0.878	3.60	59	112
RDAM G 2500 E	5250	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	123
RDAM ECG 1000 E	2550	4/8/12	4/8/12	4.3/8.7/13	4/8/12	0.454	3.00	61	57
RDAM ECG 1500 E	3400	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	84
RDAM ECG 2000 E	5100	5/9/14	8.2/16.3/24.5	8.8/17.7/26.5	8/16/24	0.908	6.00	63	112
RDAM ECG 2500 E	5950	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	123

(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				
	m3/h	kW	Pa	kW	Pa	kW	Pa	kW	A	dB(A)	kg
RDAM M 1000 P	1560	7.13	150	7.82	4060	7.76	1130	0.238	1.14	55	50
RDAM M 1500 P	2340	13.71	710	12.51	6000	13.06	4140	0.357	1.70	56	74
RDAM M 2000 P	3120	19.85	1800	16.68	4440	16.97	1900	0.476	2.27	57	95
RDAM M 2500 P	3900	25.88	3550	20.80	3570	22.14	3730	0.595	2.84	58	106
RDAM G 1000 P	2055	8.65	210	9.36	5590	9.44	1600	0.357	1.70	56	55
RDAM G 1500 P	2740	15.15	850	13.89	7220	14.63	5060	0.476	2.27	57	80
RDAM G 2000 P	4110	23.57	2440	20.02	6140	20.69	2700	0.714	3.41	58	105
RDAM G 2500 P	4795	29.46	4470	23.88	4560	25.70	4860	0.833	3.97	59	114
RDAM ECG 1000 P	2355	11.34	1290	10.21	6510	10.37	1900	0.350	2.63	60	55
RDAM ECG 1500 P	3140	16.47	990	15.17	8440	16.10	6000	0.466	3.50	61	80
RDAM ECG 2000 P	4710	25.61	2830	21.84	7170	22.76	3200	0.699	5.25	62	105
RDAM ECG 2500 P	5495	32.04	5180	26.10	5330	28.29	5770	0.816	6.13	63	114

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 (3)

Model	Airflow	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	Water pressure drop	Water heating capacity	Water pressure drop	Water heating capacity	Water pressure drop				
	m3/h	kW	Pa	kW	Pa	kW	Pa	kW	A	dB(A)	kg
RDAM M 1000 P	1660	7.46	160	8.15	4370	8.12	1230	0.293	1.20	56	50
RDAM M 1500 P	2490	14.26	760	13.04	6460	13.66	4490	0.439	1.80	57	74
RDAM M 2000 P	3320	20.65	1930	17.39	4780	17.76	2060	0.585	2.40	58	95
RDAM M 2500 P	4150	26.92	3810	21.69	3840	23.16	4040	0.732	3.00	59	106
RDAM G 1000 P	2190	10.86	1190	9.75	6000	9.87	1740	0.439	1.80	56	55
RDAM G 1500 P	2920	15.76	910	14.48	7770	15.30	5490	0.585	2.40	57	80
RDAM G 2000 P	4380	24.51	2620	20.86	6600	21.64	2930	0.878	3.60	58	105
RDAM G 2500 P	5110	30.64	4790	24.90	4910	26.88	5270	1.024	4.20	59	114
RDAM ECG 1000 P	2500	11.74	1370	10.59	6950	10.80	2040	0.454	3.00	61	55
RDAM ECG 1500 P	3340	17.09	1050	15.78	9050	16.80	6480	0.573	3.70	62	80
RDAM ECG 2000 P	5000	26.54	3020	22.70	7670	23.71	3450	0.908	6.00	63	105
RDAM ECG 2500 P	5840	32.25	5530	27.14	5720	29.51	6220	1.027	6.70	64	114

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

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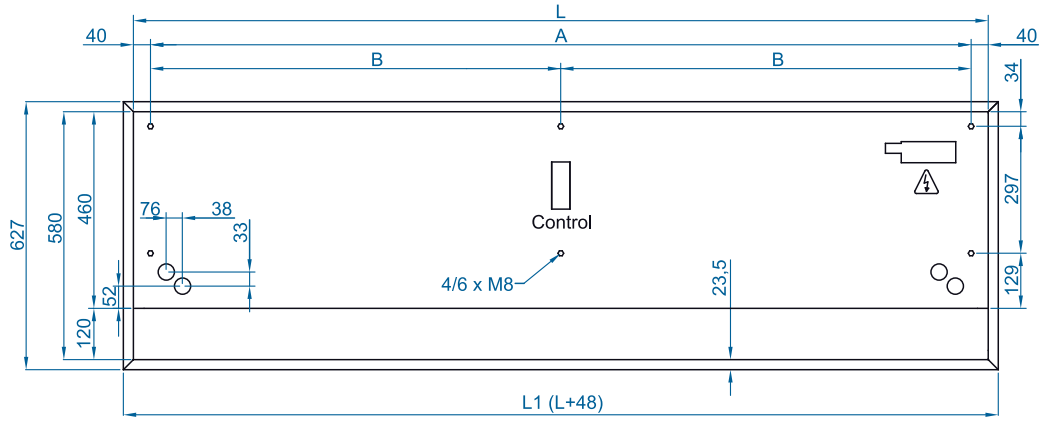
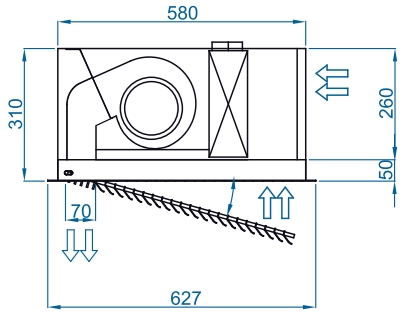
Dimensions





	L	L1	A	B
RDAM 1000	1000	1050	920	-
RDAM 1500	1500	1550	1420	710
RDAM 2000	2000	2050	1920	960
RDAM 2500	2500	2550	2420	1210

CAD drawings, installation manuals and other documentation

CAD

Optional accessories

Supports and installation

Wall rail support
SPWR

Silentblock supports
SPANG-SIL / SLB

Suspension cables
SPCT

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