

# SM Industrial Cooler

## AFC Compact Systems



**SM 16 1 - 4 4 - A3 EL CU/AL**

Range	SM
Height of case	Tubes high = 16, 20, 24, 30
No. of fans	1, 2, 3, 4
Coil depth (No of rows)	4, 6, 8
Fin spacing	4mm, 6mm, 8mm
Fan/Motor type	Ducted axial = A1, A2, A3, A4, A5, A6, Propeller = P1
Defrost	EL = Electric defrost in coil and drain tray, HGEA,B,C,D = hot gas coil, electric drain tray defrost, HGDA,B = hot gas coil and drain tray defrost, HGDC = hot gas coil and drain tray defrost, HGDD = hot gas coil and drain tray defrost,
Coil materials	Cu/Al = Copper, Aluminium fin,

## SM Industrial Cooler

### Features

- Versatile range of floor mounted coolers.
- Robust construction, designed to withstand demanding applications.
- Capacities can be achieved with many choices of size, fin spacing and air volume.
- Can be flush-mounted to ceiling.
- Easy access for maintenance and cleaning. Structural, one-piece draintray allows units to be lifted, fully-assembled, from underneath.
- Fin design provides high surface area for frost build-up. Minimal refrigerant charge.
- Double-skinned, insulated draintray assists defrost in low temperature applications and prevents condensation in high temperature applications.

### General

The SM range has been designed to be as versatile as possible, whilst allowing unit selections to be easily made. The following specification pages have been laid out to ease the selection process. Unit sizes and coils have been matched with different fan/ motor combinations to broadly meet two common operating conditions:

1. High temperature applications such as store rooms and occupied areas. These units, with either propeller or ducted axial fans, feature low face velocities, low noise and high efficiency. These fans have also been selected to ensure that there is no water carry-over.

2. Low temperature applications such as cold storage or blast freezing in generally unoccupied areas. These units, with ducted axial fans, feature high face velocities and high air throws where low noise levels are not required. These units offer greater duty for a given size than high temperature units.

The choice of particular units is not restricted to these operating conditions, but greater care will need to be taken in the application of units outside the given conditions. For example, water carry-over could occur when operating 'low temperature' units in certain high temperature applications. The range is divided into 4 heights; the SM16, SM20, SM24 and the SM30, with up to 4 fans - either propeller or ducted axial - and 3 coil depths. Data is shown for 4, 6 and 8mm fin spacing. For 12mm fin spacing multiply 8mm duty figures by 0.8.

### Refrigerant

Capacity data is shown for R404A, with correction factors provided for other common refrigerants. For refrigerants and fluids not shown, including ammonia and water/glycol mixes, please consult your supplier.

This will lead to reduced on going energy costs. In addition, the relatively low internal coil volume results in reduced refrigerant charge.

### Fan/Motors

Propeller or ducted axial fans with varying face velocities and air throws are offered to provide optimum performance in the two broad operating conditions outlined in 'General' above.

### Pump circulation

Arranged as bottom feed for pump rates between 3:1 and 5:1. For other pump rates please refer to your supplier.

### Location

Incorrect unit location will adversely affect unit performance and air flow. Units should be adequately spaced from walls to ensure even air coverage over the coil block. For advice on unit location, please contact your supplier.

### Air throw

Air throws quoted within this catalogue are base on a terminal velocity of 0.25m/s in ideal conditions. Store layout, cooler location and type of fan can affect the air throw. Please refer to your supplier for further information.

### Noise Levels

Noise levels are quoted at a distance of 3m from the unit at an angle of 45° to the horizontal within a free field condition. The figures are supplied as a guide only, showing comparative noise levels between models and fan selections. If the application is noise sensitive we would advise the appointment of an independent noise consultant.

# Specification

## Location

Incorrect unit location will adversely affect unit performance and air throw. Units should be adequately spaced from walls to ensure even air coverage over the coil block. For advice on unit location, please contact your supplier.

## Defrost

**Electric defrost coil and draintray** Stainless steel heater elements with hermetically sealed terminals are pre-wired to a common junction box.

**Hot gas coil, electric draintray (HGEA, HGEB, HGEC, HGED)** Incorporating four circuiting options all with electric heater rods within the draintray.

**Hot gas coil and draintray (HGDA, HGDB, HGDC, HGDD)** Generally as above but units are supplied with a hot gas tube matrix within the draintray. Fan Plate Heaters. For high latent load applications, fan plate heaters are available as an option on propeller fan units.

## Defrost Defrost

Defrost loads include drain pan power as below.

Modules	FM--1	FM--2	FM--3	FM--4
Drainpan	1.6	3.2	4.8	6.4

Peripheral heater load (where fitted) for ducted axial fan sets 800mm diameter = 630W, 900mm diameter = 710W per fan

## Correction factors

Refrigeration	R404A	R134a	R507A	R407A/F	R407C
Capacity factor (dew point, DT1)	1.00	0.91	0.97	1.18*	1.35*
Refrigerant charge density (kg/dm <sup>3</sup> )	0.312	0.338	0.313	0.332	0.332

\* Capacity factors for refrigerants with high glide apply only at the nominal rating condition. Refrigerant charges densities are based on 25% of the internal volume being liquid.

## General

**Note:** All data for 400V, 3 phase, 50Hz supply. Noise levels are quoted at a distance of 3m from the units (free field). Capacities are nominal, based on DT1 dew point and stated at Eurovent standard condition 2 (-8°C saturated suction temp, 0°C air entering).

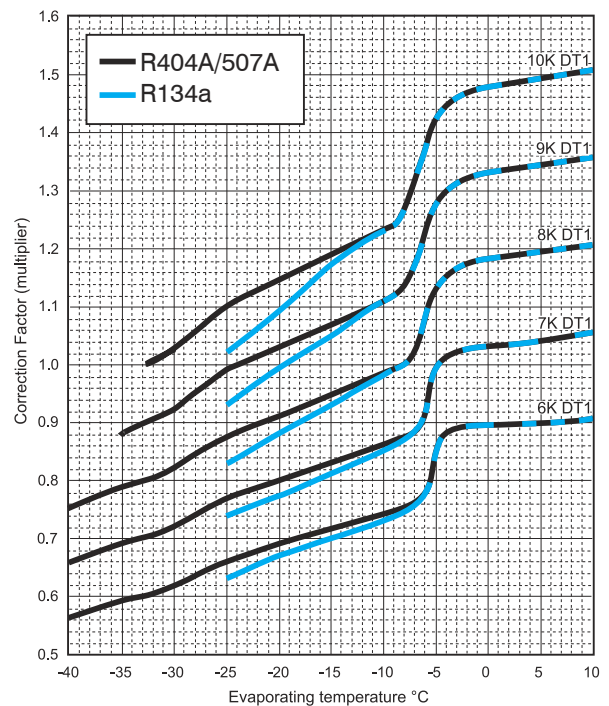
**Correction Factors** (Multiply capacity by appropriate correction factor to give performance at chosen conditions)

Peripheral Heaters recommended for use on all ducted axial fan options when operating below freezing.

## Rating Conditions and Correction Factors

The duties shown in this catalogue are at Eurovent Standard 7/C/001, Standard Condition 2 (-8°C saturated suction temp. (dewpoint), 0°C air entering). Capacities are based on DT1 the difference between the entering air temperature and the saturated suction temperature at the outlet of the cooler.

SM Cooler DT1 - WET



# 4mm Specification

## High/low temperature

Low face velocity, low capacity, low air throw, compact unit

Model	Air entering -25 °C to +20 °C					Air entering -25 °C to +20 °C					Connections		Surface area m <sup>2</sup>	Internal volume dm <sup>3</sup>	Defrost power kW
	Propeller					Ducted Axial					Outlet	Inlet			
	Fan / Motor	R404A capacity kW	Air volume m <sup>3</sup> /s	Air throw m	Noise dB(A)	Fan / Motor	R404A capacity kW	Air volume m <sup>3</sup> /s	Air throw m	Noise dB(A)					
SM161-44	P1	18.1	2.56	18	59	A1	18.9	2.72	35	58	1 3/8"	1/2"	110	20	7
SM161-64	Dia. = 630mm	21.1	2.40	17	59	Dia. = 630mm	22.2	2.56	33	58	1 3/8"	5/8"	165	30	10
SM162-44	6 pole	35.7	5.10	18	62	6 pole	37.0	5.44	35	61	1 5/8"	5/8"	220	38	14
SM162-64	FLC/SC = 1.8/5.4A	43.0	4.82	17	62	FLC/SC = 1.5/4.5A	44.9	5.12	33	61	1 5/8"	5/8"	330	58	19
SM163-44	input = 810W	54.1	7.66	18	64	input = 710W	56.4	8.18	35	63	2 1/8"	1 1/8"	330	57	22
SM163-64		63.8	7.22	17	64		67.1	7.68	33	63	2 1/8"	1 1/8"	495	84	29
SM201-44	P1	21.4	3.24	23	59	A2	21.4	3.02	34	60	1 3/8"	5/8"	137	26	10
SM201-64	Dia. = 630mm	25.1	3.04	21	59	Dia. = 710mm	25.7	2.84	32	60	1 3/8"	5/8"	206	38	12
SM202-44	6 pole	42.6	6.48	23	62	6 pole	43.0	6.04	34	63	2 1/8"	5/8"	275	49	19
SM202-64	FLC/SC = 1.8/5.4A	50.3	6.08	21	62	FLC/SC = 1.5/4.5A	51.1	5.66	32	63	2 1/8"	1 1/8"	412	72	24
SM203-44	input = 810W	64.4	9.72	23	64	input = 680W	65.2	9.06	34	65	2 1/8"	1 1/8"	412	71	29
SM203-64		76.0	9.14	21	64		72.6	8.50	32	65	2 1/8"	1 1/8"	619	106	36
SM242-44		-	-	-	-	A4	54.9	7.70	39	66	2 1/8"	1 1/8"	330	59	19
SM242-64		-	-	-	-	Dia. = 800mm	63.8	7.22	36	66	2 1/8"	1 1/8"	495	87	24
SM243-44		-	-	-	-	8 pole	82.6	11.6	39	68	2 1/8"	1 1/8"	495	85	29
SM243-64		-	-	-	-	FLC/SC = 2.7/6.8A	97.2	10.84	36	68	2 5/8"	1 1/8"	742	128	36
SM244-44		-	-	-	-	input = 1000W	108.6	15.40	39	69	2 5/8"	1 1/8"	660	114	38
SM244-64		-	-	-	-		131.1	14.44	36	69	2 x 2 1/8"	2 x 1 1/8"	990	166	48
SM302-44		-	-	-	-	A4	61.2	8.18	41	66	2 1/8"	1 1/8"	412	74	19
SM302-64		-	-	-	-	Dia. = 800mm	73.4	7.80	39	66	2 1/8"	1 1/8"	619	109	29
SM303-44		-	-	-	-	8 pole	92.2	12.28	41	68	2 x 2 1/8"	2 x 7/8"	619	107	29
SM303-64		-	-	-	-	FLC/SC = 2.7/6.8A	109.8	12.68	39	68	2 x 2 1/8"	2 x 1 1/8"	928	158	43
SM304-44		-	-	-	-	input = 1000W	123.1	16.34	41	69	2 x 2 1/8"	2 x 1 1/8"	825	140	38
SM304-64		-	-	-	-		147.2	15.58	39	69	2 x 2 1/8"	2 x 1 1/8"	1237	208	58

## Low temperature

High face velocity, high capacity, high air throw, compact unit

Model	Air entering -35 °C to 0 °C					Connections		Surface area m <sup>2</sup>	Internal volume dm <sup>3</sup>	Defrost power kW
	Propeller					Outlet	Inlet			
	Fan / Motor	R404A capacity kW	Air volume m <sup>3</sup> /s	Air throw m	Noise dB(A)					
SM161-44	A3	22.8	3.76	48	69	1 5/8"	5/8"	110	20	7
SM161-64	Dia. = 630mm	28.1	3.58	46	69	1 5/8"	5/8"	165	30	10
SM162-44	4 pole	45.7	7.52	44	72	2 1/8"	7/8"	220	38	14
SM162-64	FLC/SC = 3.8/14A	56.0	7.14	46	72	2 1/8"	1 1/8"	330	58	19
SM163-44	input = 1890W	68.4	11.28	48	74	2 1/8"	1 1/8"	330	57	22
SM163-64		84.4	10.72	46	74	2 5/8"	1 1/8"	495	84	29
SM201-44	A5	29.8	5.04	51	71	1 5/8"	5/8"	137	26	10
SM201-64	Dia. = 800mm	36.5	4.66	47	71	1 5/8"	5/8"	206	38	12
SM202-44	6 pole	59.5	10.08	51	72	2 1/8"	1 1/8"	275	49	19
SM202-64	FLC/SC = 3.4/15A	73.3	9.32	47	72	2 1/8"	1 1/8"	412	72	24
SM203-44	input = 2000W	90.4	15.10	51	74	2 5/8"	1 1/8"	412	71	29
SM203-64		109.8	13.96	47	74	2 x 2 1/8"	2 x 1 1/8"	619	106	36
SM242-44	A5	67.2	10.74	54	72	2 1/8"	1 1/8"	330	59	19
SM242-64	Dia. = 800mm	81.7	10.08	51	72	2 1/8"	1 1/8"	495	87	24
SM243-44	6 pole	101.2	16.16	54	74	2 1/8"	1 1/8"	495	85	29
SM243-64	FLC/SC = 3.4/15A	123.1	15.40	51	74	2 x 2 1/8"	2 x 1 1/8"	742	128	36
SM244-44	input = 2000W	132.2	21.48	54	75	2 x 2 1/8"	2 x 1 1/8"	660	114	38
SM244-64		162.2	20.14	51	75	2 x 2 1/8"	2 x 1 1/8"	990	166	48
SM302-44	A6	83.8	13.38	54	78	2 1/8"	1 1/8"	412	74	19
SM302-64	Dia. = 1000mm	99.8	12.22	49	78	2 x 2 1/8"	2 x 1 1/8"	419	109	29
SM303-44	6 pole	126.5	20.08	54	79	2 x 2 1/8"	2 x 1 1/8"	619	107	29
SM303-64	FLC/SC = 5.8/24A	150.7	18.34	49	79	2 x 2 1/8"	2 x 1 1/8"	928	158	43
SM304-44	input = 2525W	165.6	26.78	54	81	2 x 2 1/8"	2 x 1 1/8"	825	140	38
SM304-64		199.0	24.44	49	81	2 x 2 5/8"	2 x 1 1/8"	1237	208	58

# 6mm Specification

## High/low temperature

Low face velocity, low capacity, low air throw, compact unit

Model	Air entering -25 °C to +20 °C					Air entering -25 °C to +20 °C					Connections		Surface area m <sup>2</sup>	Internal volume dm <sup>3</sup>	Defrost power kW
	Propeller					Ducted Axial					Outlet	Inlet			
	Fan / Motor	R404A capacity kW	Air volume m <sup>3</sup> /s	Air throw m	Noise dB(A)	Fan / Motor	R404A capacity kW	Air volume m <sup>3</sup> /s	Air throw m	Noise dB(A)					
SM161-46	P1 Dia. = 630mm 6 pole FLC/SC = 1.4/5A input = 650W	14.8	2.70	19	59	A1 Dia. = 630mm 6 pole FLC/SC = 1.5/4.5A input = 7W	15.4	2.88	37	58	1 3/8"	1/2"	75	20	7
SM161-66		18.6	2.56	18	59		19.4	2.72	35	58	1 3/8"	5/8"	112	30	10
SM161-86		-	-	-	-		21.4	2.56	33	58	1 3/8"	5/8"	149	40	12
SM162-66		37.4	5.10	18	62		39.0	5.44	35	61	1 5/8"	5/8"	224	57	19
SM162-86		-	-	-	-		43.2	5.12	33	61	2 1/8"	7/8"	299	77	24
SM163-64		56.2	7.66	18	64		58.7	8.18	35	63	2 1/8"	1 1/8"	336	84	29
SM163-44	-	-	-	-	65.0	7.68	33	63	2 1/8"	1 1/8"	448	112	39		
SM201-66	P1 Dia. = 630mm 6 pole FLC/SC = 1.4/5A input = 650W	21.9	3.14	22	59	A2 Dia. = 710mm 6 pole FLC/SC = 1.8/3A input = 620W	22.2	2.98	34	60	1 3/8"	5/8"	140	38	12
SM201-86		-	-	-	-		24.8	2.88	33	60	1 5/8"	5/8"	187	50	14
SM202-66		43.8	6.28	22	62		44.6	5.94	34	63	2 1/8"	7/8"	280	72	24
SM202-86		-	-	-	-		49.4	5.76	33	63	2 1/8"	1 1/8"	374	96	29
SM203-66		65.9	9.42	22	64		47.1	8.92	34	65	2 1/8"	1 1/8"	420	106	36
SM203-86		-	-	-	-		74.1	8.64	33	65	2 1/8"	1 1/8"	561	140	43
SM242-66	A4 Dia. = 800mm 8 pole FLC/SC = 2.7/6.8A input = 1000W	-	-	-	-	57.0	7.70	39	66	2 1/8"	1 1/8"	336	87	24	
SM242-86		-	-	-	-	63.3	7.32	37	66	2 1/8"	1 1/8"	448	115	29	
SM243-66		-	-	-	-	85.8	11.60	39	68	2 1/8"	1 1/8"	505	127	36	
SM243-86		-	-	-	-	95.8	11.02	37	68	2 x 2 1/8"	2 x 1 1/8"	673	168	43	
SM244-66		-	-	-	-	114.4	15.40	39	69	2 x 2 1/8"	2 x 1 1/8"	673	166	48	
SM244-86		-	-	-	-	126.5	14.64	37	69	2 x 2 1/8"	2 x 1 1/8"	897	221	58	
SM302-66	A4 Dia. = 800mm 8 pole FLC/SC = 2.7/6.8A input = 1000W	-	-	-	-	63.4	8.18	41	66	2 1/8"	1 1/8"	420	109	29	
SM302-86		-	-	-	-	71.4	7.88	40	66	2 1/8"	1 1/8"	561	144	38	
SM303-66		-	-	-	-	96.0	12.26	41	68	2 x 2 1/8"	2 x 1 1/8"	631	158	43	
SM303-86		-	-	-	-	107.4	11.88	40	68	2 x 2 1/8"	2 x 1 1/8"	841	210	58	
SM304-66		-	-	-	-	127.7	16.34	41	69	2 x 2 1/8"	2 x 1 1/8"	841	208	58	
SM304-86		-	-	-	-	142.6	15.78	40	69	2 x 2 1/8"	2 x 1 1/8"	1121	276	77	

## Low temperature

High face velocity, high capacity, high air throw, compact unit

Model	Air entering -35 °C to 0 °C					Connections		Surface area m <sup>2</sup>	Internal volume dm <sup>3</sup>	Defrost power kW
	Propeller					Outlet	Inlet			
	Fan / Motor	R404A capacity kW	Air volume m <sup>3</sup> /s	Air throw m	Noise dB(A)					
SM161-46	A3 Dia. = 630mm 4 pole FLC/SC = 3.8/14A input = 1890W	17.8	3.86	50	69	1 5/8"	5/8"	75	20	7
SM161-66		23.2	3.62	46	69	1 5/8"	5/8"	112	30	10
SM161-86		26.8	3.52	45	69	1 5/8"	5/8"	149	40	12
SM162-66		46.8	7.24	46	72	2 1/8"	1 1/8"	224	57	19
SM162-86		52.8	7.06	45	72	2 1/8"	1 1/8"	299	77	24
SM163-64		70.2	10.86	46	74	2 1/8"	1 1/8"	336	84	29
SM163-44	80.9	10.58	45	74	2 1/8"	1 1/8"	448	112	39	
SM201-66	A5 Dia. = 800mm 6 pole FLC/SC = 3.4/15A input = 2000W	30.8	4.94	50	71	1 5/8"	5/8"	140	38	12
SM201-86		34.9	4.76	48	71	1 5/8"	5/8"	187	50	14
SM202-66		61.8	9.88	50	72	2 1/8"	1 1/8"	280	72	24
SM202-86		71.0	9.50	48	72	2 1/8"	1 1/8"	374	96	29
SM203-66		93.0	14.82	50	74	2 x 2 1/8"	2 x 1 1/8"	420	106	36
SM203-86		105.8	14.26	48	74	2 5/8"	1 1/8"	561	140	43
SM242-66	A5 Dia. = 800mm 6 pole FLC/SC = 3.4/15A input = 2000W	69.2	10.64	54	72	2 1/8"	1 1/8"	336	87	24
SM242-86		79.0	10.16	51	72	2 1/8"	1 1/8"	448	115	29
SM243-66		104.0	15.96	54	74	2 x 2 1/8"	2 x 1 1/8"	505	127	36
SM243-86		118.5	15.30	52	74	2 x 2 1/8"	2 x 1 1/8"	673	168	43
SM244-66		139.2	21.28	54	75	2 x 2 1/8"	2 x 1 1/8"	673	166	48
SM244-86		154.1	20.34	51	75	2 x 2 1/8"	2 x 1 1/8"	897	221	58
SM302-66	A6 Dia. = 1000mm 6 pole FLC/SC = 5.8/24A input = 2625W	86.0	13.20	53	78	2 x 2 1/8"	2 x 7/8"	420	109	29
SM302-86		97.8	12.52	51	78	2 x 2 1/8"	2 x 1 1/8"	561	144	38
SM303-66		130.0	19.78	53	79	2 x 2 1/8"	2 x 1 1/8"	631	158	43
SM303-86		146.1	18.82	51	79	2 x 2 1/8"	2 x 1 1/8"	841	210	58
SM304-66		173.7	26.38	53	81	2 x 2 5/8"	2 x 1 1/8"	841	208	58
SM304-86		190.9	25.02	51	81	2 x 2 5/8"	2 x 1 1/8"	1121	276	77

# 8mm Specification

## High/low temperature

Low face velocity, low capacity, low air throw, compact unit

Model	Air entering -25 °C to +20 °C					Air entering -25 °C to +20 °C					Connections		Surface area m <sup>2</sup>	Internal volume dm <sup>3</sup>	Defrost power kW	
	Propeller					Ducted Axial					Outlet	Inlet				
	Fan / Motor	R404A capacity kW	Air volume m <sup>3</sup> /s	Air throw m	Noise dB(A)	Fan / Motor	R404A capacity kW	Air volume m <sup>3</sup> /s	Air throw m	Noise dB(A)						
SM161-48	P1 Dia. = 630mm 6 pole FLC/SC = 1.4/5A input = 650W	12.2	2.70	19	59	A1 Dia. = 630mm 6 pole FLC/SC = 1.5/4.5A input = 710W	12.8	2.88	37	58	1 3/8"	1/2"	57	20	7	
SM161-68		15.8	2.60	18	59		16.6	2.78	36	58	1 3/8"	5/8"	86	30	10	
SM161-88		-	-	-	-		19.2	2.68	34	58	1 3/8"	5/8"	114	40	12	
SM162-68		31.9	5.20	18	62		33.2	5.56	36	61	1 5/8"	5/8"	171	57	19	
SM162-88		-	-	-	-		38.2	5.34	34	61	2 1/8"	7/8"	228	77	24	
SM163-68		48.0	7.80	18	64		50.0	8.34	36	63	2 1/8"	1 1/8"	257	84	29	
SM163-88		-	-	-	-		58.2	8.02	34	63	2 1/8"	1 1/8"	343	112	39	
SM201-68		P1 Dia. = 630mm 6 pole FLC/SC = 1.4/5A input = 650W	18.7	3.20	22		59	A2 Dia. = 710mm 6 pole FLC/SC = 1.5/4.5A input = 680W	18.8	3.02	34	60	1 3/8"	5/8"	107	38
SM201-88	-		-	-	-	20.0	2.92		33	60	1 5/8"	5/8"	143	50	14	
SM202-68	37.4		6.38	22	62	37.6	6.04		34	63	2 1/8"	7/8"	214	72	24	
SM202-88	-		-	-	-	44.2	5.86		33	63	2 1/8"	1 1/8"	286	96	29	
SM203-68	56.6		9.58	22	64	57.2	9.06		34	65	2 1/8"	1 1/8"	321	106	36	
SM203-88	-		-	-	-	66.0	8.78		33	65	2 1/8"	1 1/8"	428	140	43	
SM242-68	-		-	-	-	A4 Dia. = 800mm 8 pole FLC/SC = 2.7/6.8A input = 1000W	48.7		7.88	40	66	2 1/8"	1 1/8"	257	87	24
SM242-88	-		-	-	-		56.4		7.70	39	66	2 1/8"	1 1/8"	343	115	29
SM243-68	-	-	-	-	73.6		11.88	40	68	2 1/8"	1 1/8"	386	127	36		
SM243-88	-	-	-	-	86.0		11.60	39	68	2 x 2 1/8"	2 x 7/8"	514	168	43		
SM244-68	-	-	-	-	97.4		15.78	40	69	2 x 2 1/8"	2 x 1 1/8"	514	166	48		
SM244-88	-	-	-	-	113.4		15.40	39	69	2 x 2 1/8"	2 x 1 1/8"	685	221	58		
SM302-68	-	-	-	-	A4 Dia. = 800mm 8 pole FLC/SC = 2.7/6.8A input = 1000W		55.0	8.36	42	66	2 1/8"	1 1/8"	321	109	29	
SM302-88	-	-	-	-			63.8	8.18	41	66	2 1/8"	1 1/8"	428	144	38	
SM303-68	-	-	-	-		82.5	12.54	42	68	2 x 2 1/8"	2 x 7/8"	482	158	43		
SM303-88	-	-	-	-		94.2	12.26	41	68	2 x 2 1/8"	2 x 1 1/8"	643	210	58		
SM304-68	-	-	-	-		108.2	16.72	42	69	2 x 2 1/8"	2 x 1 1/8"	643	208	58		
SM304-88	-	-	-	-		127.7	16.34	41	69	2 x 2 1/8"	2 x 1 1/8"	857	276	77		

## Low temperature

High face velocity, high capacity, high air throw, compact unit

Model	Air entering -35 °C to 0 °C					Connections		Surface area m <sup>2</sup>	Internal volume dm <sup>3</sup>	Defrost power kW	
	Propeller					Outlet	Inlet				
	Fan / Motor	R404A capacity kW	Air volume m <sup>3</sup> /s	Air throw m	Noise dB(A)						
SM161-48	A3 Dia. = 630mm 4 pole FLC/SC = 3.8/14A input = 1890W	15.2	3.94	51	69	1 3/8"	1/2"	57	20	7	
SM161-68		20.0	3.80	49	69	1 5/8"	5/8"	86	30	10	
SM161-88		24.0	3.72	48	69	1 5/8"	5/8"	114	40	12	
SM162-68		40.0	7.62	49	72	2 1/8"	7/8"	171	57	19	
SM162-88		48.0	7.42	48	72	2 1/8"	1 1/8"	228	77	24	
SM163-68		60.0	11.42	49	74	2 1/8"	1 1/8"	257	84	29	
SM163-88		72.2	11.14	48	74	2 1/8"	1 1/8"	343	112	39	
SM201-68		A5 Dia. = 800mm 6 pole FLC/SC = 3.4/15A input = 2000W	26.2	5.14	52	71	1 5/8"	5/8"	107	38	12
SM201-88	30.6		4.94	50	71	1 5/8"	5/8"	143	50	14	
SM202-68	52.8		10.26	52	72	2 1/8"	1 1/8"	214	72	24	
SM202-88	62.6		9.88	50	72	2 1/8"	1 1/8"	286	96	29	
SM203-68	78.4		15.40	52	74	2 x 2 1/8"	2 x 7/8"	321	106	36	
SM203-88	93.6		14.82	50	74	2 5/8"	1 1/8"	428	140	43	
SM242-68	A5 Dia. = 800mm 6 pole FLC/SC = 3.4/15A input = 2000W		57.6	10.84	55	72	2 1/8"	1 1/8"	257	87	24
SM242-88			69.6	10.54	53	72	2 1/8"	1 1/8"	343	115	29
SM243-66		86.4	16.24	55	74	2 x 2 1/8"	2 x 1 1/8"	386	127	36	
SM243-88		104.8	15.86	53	74	2 x 2 1/8"	2 x 1 1/8"	514	168	43	
SM244-68		118.5	21.66	55	75	2 x 2 1/8"	2 x 1 1/8"	514	166	48	
SM244-88		135.7	21.10	53	75	2 x 2 1/8"	2 x 1 1/8"	685	221	58	
SM302-68		A6 Dia. = 1000mm 6 pole FLC/SC = 5.8/24A input = 2625W	72.8	13.68	55	78	2 x 2 1/8"	2 x 7/8"	321	109	29
SM302-88			87.1	13.10	53	78	2 x 2 1/8"	2 x 1 1/8"	428	144	38
SM303-68	110.2		20.56	55	79	2 x 2 1/8"	2 x 1 1/8"	428	158	43	
SM303-88	131.1		19.70	53	79	2 x 2 1/8"	2 x 1 1/8"	643	210	58	
SM304-68	148.4		27.36	55	81	2 x 2 1/8"	2 x 1 1/8"	643	208	58	
SM304-88	169.1		26.20	53	81	2 x 2 1/8"	2 x 1 1/8"	857	276	77	