

SM Series

Technical Data Horizontal & Vertical Series



Model Number	Motor Type	Air Flow	External Static Pressure	Total Cooling Capacity	Sensible Cooling Capacity	Heating Capacity	No. of Fans	Fan Speeds	Motor Power	Motor Full Load Current
		L/s	Pa	kW	kW	kW		rpm	kW	Amps
SMA400	AC	400	250	9.0	6.5	7.3	1	21 / 19 / 18	0.4	3.3
SMA700	AC	700	250	17.0	11.9	15.0	1	22 / 20 / 19	0.4	3.6
SMA900	AC	900	250	20.9	14.8	18.7	1	23 / 22 / 21	0.8	5.8
SMA1400	AC	1400	250	33.9	23.6	30.0	1	23 / 22 / 21	0.8	5.8
SMA1900	AC	1900	250	45.1	31.6	41.9	2	22 / 21 / 19	0.55 x 2	5.6 x 2
SME400	EC	400	250	9.0	6.5	7.3	1	Variable	1.1	4.6
SME700	EC	700	250	17.0	11.9	15.0	1	Variable	1.1	4.6
SME900	EC	900	250	20.9	14.8	18.7	1	Variable	1.0	4.6
SME1400	EC	1400	250	33.9	23.6	30.0	2	Variable	1.074 x 2	4.62 x 2
SME1900	EC	1900	250	45.1	31.6	41.9	2	Variable	1.04 x 2	4.62 x 2

Air flow and coil performance are at 2.5m/s coil face velocity.
Cooling Capacities are based on 5 row 472fin/m coils with entering air conditions of 26/19°C and water temperatures of 6/12°C.

Heating Capacities are based on 1 row 394fin/m coils with entering air at 12°C and water temperatures of 80/65°C.
Motor power and current (per fan x no of fans).

Acoustic Data Horizontal & Vertical Series



Model Number	Air Flow	External Static Pressure	Sound Power Spectrum dB*								
	L/s	Pa		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
SMA400	400	250	In Duct	63	69	72	72	72	68	66	61
			Breakout	51	54	54	51	49	39	33	28
SMA700	700	250	In Duct	66	72	75	74	74	70	68	63
			Breakout	54	57	57	53	51	41	35	30
SMA900	900	250	In Duct	67	73	76	75	75	71	69	64
			Breakout	56	59	59	55	52	42	36	31
SMA1400	1400	250	In Duct	58	64	67	66	66	62	60	55
			Breakout	47	50	50	46	43	33	27	22
SMA1900	1900	250	In Duct	70	76	79	79	79	75	73	68
			Breakout	59	62	62	59	55	45	39	34
SME400	400	250	In Duct	68	74	83	74	72	69	65	62
			Breakout	57	60	66	54	48	39	31	28
SME700	700	250	In Duct	68	75	84	79	78	77	73	70
			Breakout	58	62	68	60	54	47	39	36
SME900	900	250	In Duct	68	78	81	72	73	73	67	62
			Breakout	58	65	65	53	49	43	33	28
SME1400	1400	250	In Duct	70	78	87	82	80	80	75	73
			Breakout	60	65	71	63	56	50	41	39
SME1900	1900	250	In Duct	68	87	88	74	74	72	69	63
			Breakout	58	74	72	55	50	42	35	29

Air flow and coil performance are at 2.5m/s coil face velocity.
SMA = AC motor range, SME = EC motor range.

* Sound power includes multiple fans where applicable.



Performance Data Cooling Coil Horizontal & Vertical Series

Model Number	Air Flow	Cooling Coil	Air On DB /WB	Air Off DB / WB	Total Capacity	Sensible Capacity	Water Flow	Entering / Leaving water temp	Water Pressure Drop	Air Pressure Drop
	L/S		Rows / (Fins/m)	°C				°C		
SMA400 / SME400	400	5 / 472	23 / 17	12.1 / 11.76	6.8	5.4	0.3	6 / 12	6	156
			26 / 19	12.8 / 12.43	9.0	6.5	0.4	6 / 12	9	156
			35 / 24	14.4 / 13.91	15.9	10.1	0.6	6 / 12	24	156
SMA700 / SME700	720	5 / 472	23 / 17	11.3 / 11.03	13.9	10.3	0.6	6 / 12	29	156
			26 / 19	12.4 / 12.12	17.0	11.9	0.7	6 / 12	15	156
			35 / 24	15.1 / 14.65	26.8	17.5	1.1	6 / 12	9	156
SMA900 / SME900	900	5 / 472	23 / 17	11.3 / 11.03	17.4	12.9	0.7	6 / 12	29	156
			26 / 19	12.5 / 12.22	20.9	14.8	0.8	6 / 12	12	156
			35 / 24	15.0 / 14.50	33.9	22.0	1.4	6 / 12	11	156
SMA1400 / SME1400	1400	5 / 472	23 / 17	11.6 / 11.33	25.7	19.5	1.0	6 / 12	14	158
			26 / 19	12.2 / 11.91	33.9	23.6	1.3	6 / 12	23	158
			35 / 24	14.5 / 14.06	54.8	35.0	2.2	6 / 12	21	158
SMA1900 / SME1900	1900	5 / 472	23 / 17	11.3 / 10.98	36.9	27.3	1.5	6 / 12	33	157
			26 / 19	12.4 / 12.07	45.1	31.6	1.8	6 / 12	18	157
			35 / 24	13.9 / 13.46	78.1	49.0	3.1	6 / 12	48	157

Air flow and coil performance are at 2.5m/s coil face velocity.
SMA = AC motor range.
SME = EC motor range.

Performance Data Heating Coil Horizontal & Vertical Series

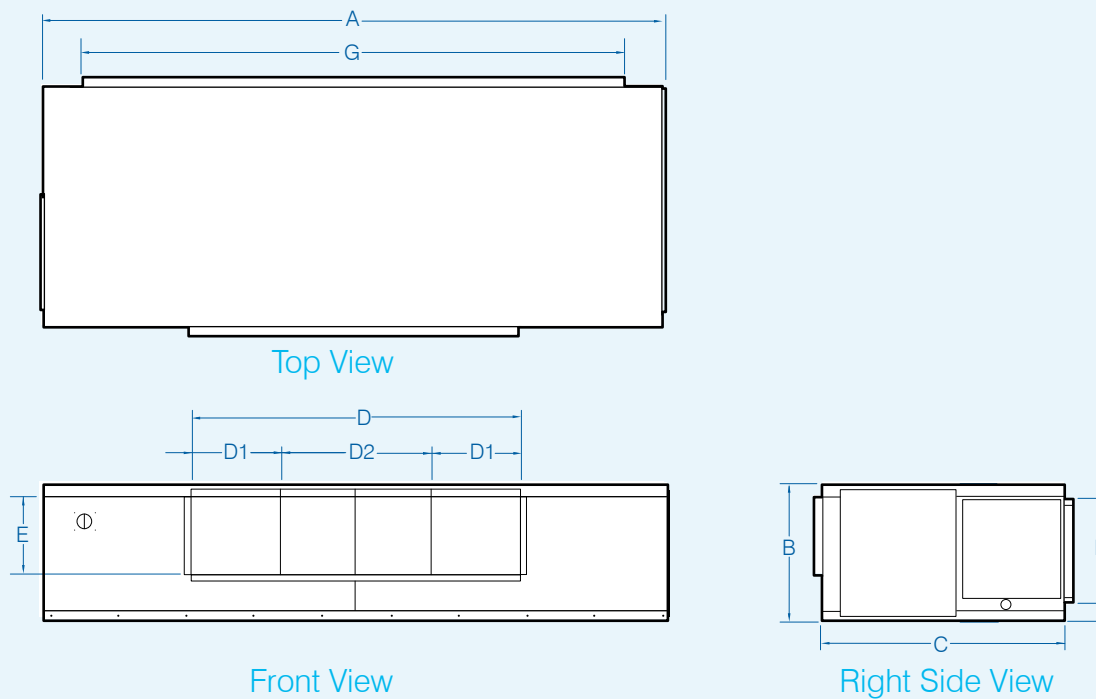


Model Number	Air Flow	Heating Coil	Air On DB	Air Off DB	Total Capacity	Water Flow	Entering / Leaving water temp	Water Pressure Drop	Air Pressure Drop
	L/s		Rows / (Fins/m)	°C			°C		
SMA400 / SME400	400	1 / 394	12	26.9	7.3	0.12	80 / 65	0.2	18
SMA700 / SME700	720	1 / 394	12	29	15	0.25	80 / 65	1.0	18
SMA900 / SME900	900	1 / 394	12	29	18.7	0.31	80 / 65	1.0	18
SMA1400 / SME1400	1400	1 / 394	12	29.5	30	0.49	80 / 65	2.1	18
SMA1900 / SME1900	1900	1 / 394	12	30.1	41.9	0.69	80 / 65	4.9	18

Air flow and coil performance are at 2.5m/s coil face velocity.
SMA = AC motor range.
SME = EC motor range.

Dimensional Data

Horizontal Series



Model Number	Motor Type	Fan	Length	Height	Width	S/A Opening*				R/A Opening [#]		Weight
			A	B	C	D	D1	D2	E	G	I	kg
SMA040-H	AC	KDD9-7T-350W	950	1150	950	232	232	-	262	635	254	80
SMA070-H		KD29-7T-750W	1450	1150	1450	697	232	233	262	1143	254	95
SMA090-H		KD29-7T-750W	1450	1150	1450	697	232	233	262	1143	318	120
SMA140-H		KD29-9-1100W	1750	1150	1750	948	298	352	262	1473	381	160
SMA190-H		KDD-10-10-750 W	2300	1150	2300	1214	331	554	289	2007	381	170
SME040-H	EC	DDMP 7-7 STD	950	1150	600	232	232	-	209	635	254	80
SME070-H		DDMP 7-7 STD	1450	1150	600	232	232	-	209	1143	254	95
SME090-H		DDMP 9-9 STD	1450	1150	600	298	298	-	262	1143	318	120
SME140-H		DDMP 7-7 STD x2	1750	1150	600	951	232	487	209	1473	381	160
SME190-H		DDMP 10-10 STDx2	2300	1150	600	1216	331	554	289	2007	381	170

All dimensions in mm.

* S/A Opening = Outlet.

R/A Opening = Inlet.