

SAIVER

CHILLED WATER DUCTED FAN COIL SDF



SDF-A

General Data



MODEL			SDF013AW	SDF016AW	SDF020AW	SDF024AW	SDF032AW	SDF038AW	
Nominal Cooling Capacity			Btu/h	38,000	48,000	61,000	71,000	96,000	120,000
			W	11,200	14,100	17,900	20,800	28,200	35,200
Nominal Sensible Cooling Capacity			Btu/h	30,800	38,300	48,900	57,600	78,500	94,800
			W	9,100	11,300	14,400	16,900	23,000	27,800
Power Supply			V/Ph/Hz	220~240 / 1 / 50					
Nominal Input Power	Std. Static	W	417	553	553	834	908	1782	
	High Static	W	553	891	891	908	1782	-	
Nominal Air Flow			L/s (CFM)	614 (1300)	755 (1600)	944 (2000)	1133 (2400)	1511 (3200)	1750 (3700)
External Static Pressure			Pa	100	100	100	100	100	100
External Static Pressure, High Static (H) *			Pa	200	200	200	200	200	-
Fan Coil Water Volume			cm³	3402	4536	6151	6804	9072	11341
Condensate Drain Size (Nominal)			mm (In)	19 (3/4")			25 (1")		
Nominal Water Flow Rate			USGPM	8.3	10.4	13.4	15.6	21.2	26.4
			LITRES/M	31.5	39.5	50.9	59.1	80.4	100.1
Head Loss			kPa	42.1	37.2	34.3	42.0	44.5	62.0
Max. Working Pressure			kPa (psi)	1600 (230)					
Connection (BSPT) - Male Connection			Inch (mm)	1" (25)					
Unit Weight	Single Skin	kg (lb)	58 (128)	59 (131)	69 (153)	91 (201)	100 (221)	120 (221)	
	Double Skin	kg (lb)	72 (159)	73 (161)	84 (185)	108 (238)	117 (256)	137 (302)	
Sound Pressure Level			dB(A)	48	49	51	51	53	56

Components Data

MODEL				SDF013AW	SDF016AW	SDF020AW	SDF024AW	SDF032AW	SDF038W
CASING	Outline Dimension (Single Skin)	Length	mm	805	805	1025	1405	1405	1405
		Depth	mm	765	765	765	765	765	765
		Height	mm	549	549	549	549	549	549
	Outline Dimension (Double Skin) *	Length	mm	799	799	1019	1399	1399	1399
		Depth	mm	756	756	756	756	756	756
		Height	mm	559	559	559	559	559	559
	Material		GI						
	External Finishing / Colour		Polyester Powder Coating / Saiver Blue						
	Insulation / Thickness		PE, 10mm (Single Skin) / PU, 30mm (Double Skin)						
	Type / Material		Forward curve / Galvabond Steel						
FAN	Quantity			1	1	1	2	2	2
	Size (Diameter x Length)		mm	241 x 241					
	Drive			Direct					
FAN MOTOR	Type			3 Speed Permanent Split Capacitor					
	Quantity			1	1	1	2	2	2
	Power Source (V/Ph/Hz)			220~240 / 1 / 50					
	Index of Protection (IP)/ Insulation Grade / Poles			IP20 / B / 4					
	Capacitor		µF	10	12	12	10 + 10	12 + 12	20 + 20
	Capacitor High Static		µF	12	20	20	12 + 12	20 + 20	-
	Rated Running Current		A	2.0	2.5	2.5	2.0 + 2.0	2.5 + 2.5	4.2 + 4.2
	Rated Running Current, High Static		A	2.5	4.2	4.2	2.5 + 2.5	4.2 + 4.2	-
	Motor Output		W	250	350	350	250 + 250	315 + 315	600 + 600
	Motor Output, High Static		W	350	600	600	315 + 315	600 + 600	-
COIL	Tube Material/Diameter/Thickness (mm)			Cu/ 9.52/ 0.28					
	Fin Material/Thickness (mm)			Aluminium, 0.11					
	Face Area		m² (ft²)	0.27 (2.9)	0.27 (2.9)	0.37 (3.9)	0.54 (5.8)	0.54 (5.8)	0.54 (5.8)
	Row x FPI			3 x 14	4 x 12	4 x 12	3 x 14	4 x 13	5 x 11
FILTRATION	Type			Washable GI Frame Filter / G3					
	Quantity		PC	2	2	2	3	3	3
	Dimension (L x W x 21)		mm	420 x 420 210x420	420 x 420 210x420	420 x 420	420 x 420	420 x 420	420 x 420

Notes:

- All specifications are subjected to change by the manufacturer without prior notice.
- Nominal cooling capacity are based on the below conditions:
 - Entering air temp 27°C (80.6°F) DB and 19°C (66.2°F) WB.
 - Entering water temperature 7°C (44.6°F).
 - Leaving water temperature 12°C (53.6°F).
- Sound pressure level is measured in an anechoic chamber, with unit operating at laminar airflow.
 - Normally, sound level is higher in actual operating environment due to external sound effect or unit installation condition.
- 1 row heating coil available upon request.
- Component ampere rating based on 400 v.