

SAIVER CHILLED WATER DUCTED FAN COIL SDF



Double Skin

Single Skin

FEATURES



GENERAL

- SDF casings are fabricated with rigid single skin casing of powder coated galvanized steel material c/w 10mm thick, 25 kg/m³ high-density non-flammable PE insulation.
- Option available for double skin, 30mm-thick infill panels with pressure injected polyurethane foam insulation rated at 'K' value of 0.02 Watts/m.C and density of 40Kg/m³.
- Draw through configuration.
- Inclusive of 21mm-thick washable G3 filter media and G.I. filter frame.
- Thermostat for fan speed and temperature control is available upon request.

FAN MOTOR ASSEMBLY

- Double inlet double width (DIDW) centrifugal fans comes with balanced, forward curved blades of galvanized steel material.
- Motors with hermetic aluminium alloy casing & permanently lubricated assembly are rated at Class B insulation with internal thermal protection.
- Motor lead-out wires are sleeved for protection against external damage.
- Motor optional upgrade to Class F three phase motors with IP55 protection index is available for high external static application. (Up to 200 Pa application).

COIL

- AHRI certified coils for cooling and heating applications.
- Coils are made of copper tubes mechanically bonded to corrugated aluminum fin collars.
- Copper fins, heresite coated, or hydrophilic blue aluminum fins options are also available.
- The number of coil rows range from 3 to 5 rows.
- Water inlet/outlet connections ranges from 1" to 2" male pipe thread (BSTP).
- Header assembly is of single-piece casting which allows direct connection to steel pipe - Coils are pressure tested up to 31.6 kg/cm² (350 psig) and maximum working pressure is 18kg/m² (230 psig) - Air vent is located at the top of the coil header.

DRAIN PAN

- 45 ~ 50mm in depth drain pans constructed from 1.0mm-thick galvanized steel c/w internal epoxy resin coating.
- Drain pans sloped towards drain pipe at 2° gradient.
- Drain pipe connection ranges from ¾", 1" and 1-1/4" male pipe thread (BT).
- Standard insulation material is 10mm-thick, 25kg/m³ high density PE foam.

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	cm ³		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	dBA		48	49	51	51	53	56

Components Data

MODEL			SDF013AW	SDF016AW	SDF020AW	SDF024AW	SDF032AW	SDF038AW	
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	m ² (ft ²)	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.

SDF-A

General Data



MODEL		SDF040AW	SDF048AW	SDF064AW	SDF080AW	SDF096AW	
Nominal Cooling Capacity	Btu/h	126,000	147,000	194,000	250,000	293,000	
	W	36,900	43,100	56,900	73,300	85,800	
Nominal Sensible Cooling Capacity	Btu/h	102,300	116,900	153,900	196,800	234,500	
	W	30,000	34,300	45,100	57,700	68,700	
Power Supply	V/Ph/Hz	380~415 / 3 / 50					
Nominal Input Power	Std. Static	W	2901	3826	5199	6550	8917
	High Static	W	-	-	-	-	-
Nominal Air Flow	L/s (CFM)	1889 (4000)	2266 (4800)	3022 (6400)	3626 (7680)	4533 (9600)	
External Static Pressure	Pa	150	150	150	225	225	
External Static Pressure, High Static (H) *	Pa	-	-	-	-	-	
Fan Coil Water Volume	cm ³	12725	16966	20208	27699	27699	
Condensate Drain Size (Nominal)	mm (in)	25 (1")	25 (1")	32 (1 1/4")	32 (1 1/4")	32 (1 1/4")	
Nominal Water Flow Rate	USGPM	27.8	32.5	42.9	55.3	64.8	
	LITRES/M	105.1	123.1	162.4	209.3	245.3	
Head Loss	kPa	39.7	42.5	37.5	37.1	49.6	
Max. Working Pressure	kPa (psi)	1600 (230)					
Connection (BSPT) - Male Connection	inch (mm)	1 1/4" (32)	1 1/4" (32)	2" (50)	2" (50)	2" (50)	
Unit Weight	Single Skin	kg (lb)	179 (395)	187 (413)	212 (468)	335 (739)	355 (783)
	Double Skin	kg (lb)	190 (419)	198 (436)	221 (487)	330 (727)	350 (772)
Sound Pressure Level	dBA	56	57	60	60	66	

Components Data

MODEL		SDF040AW	SDF048AW	SDF064AW	SDF080AW	SDF096AW		
CASING	Outline Dimension (Single Skin)	Length	mm	1541	1541	1795	1765	1765
		Depth	mm	1029	1029	1029	1239	1239
		Height	mm	885	885	885	1231	1231
	Outline Dimension (Double Skin) *	Length	mm	1546	1546	1799	1757	1757
		Depth	mm	1067	1067	1067	1320	1320
		Height	mm	881	881	881	1315	1315
	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	1	1		
	Size (Diameter x Length)	mm		381 x 474		470 x 460		
	Drive	Belt						
FAN MOTOR	Type	Squirrel Cage / Induction						
	Quantity	1	1	1	1	1		
	Power Source (V/Ph/Hz)	380~415 / 3 / 50						
	Index of Protection (IP)/ Insulation Grade / Poles	IP54 / F / 4						
	Capacitor	µF	-	-	-	-	-	
	Capacitor High Static	µF	-	-	-	-	-	
	Rated Running Current	A	3.4	4.7	6.2	8	10.9	
	Rated Running Current, High Static	A	-	-	-	-	-	
	Motor Output	W	1500	2200	3000	4000	5500	
	Motor Output, High Static	W	-	-	-	-	-	
COIL	Tube	Material/Diameter/Thickness (mm)		Cu/ 9.52/ 0.28				
	Fin	Material/Thickness (mm)		Aluminium, 0.11				
	Face Area	m ² (ft ²)	0.99 (10.7)	0.99 (10.7)	1.19 (12.8)	1.63 (17.5)	1.63 (17.5)	
	Row x FPI			3 x 16	4 x 11	4 x 11	4 x 11	4 x 12
FILTRATION	Type	Washable GI Frame Filter / G3						
	Quantity	PC	3	3	4	4	4	
	Dimension (L x W x 21)	mm	738 x 454	738 x 454	738x454 738x252	793 x 523	793 x 523	

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.

SDFH-A

General Data



MODEL		SDFH013AW	SDFH016AW	SDFH020AW	SDFH024AW	SDFH032AW	
Nominal Cooling Capacity	Btu/h	39,000	50,000	61,000	76,000	98,000	
	W	11,500	14,700	17,900	22,300	28,700	
Nominal Sensible Cooling Capacity	Btu/h	33,000	42,000	51,000	63,000	82,000	
	W	9700	12,300	15,000	18,500	24,100	
Power Supply	V/Ph/Hz	220~240 / 1 / 50					
Nominal Input Power	Std. Static	W	417	553	553	834	908
	High Static	W	553	891	891	908	1782
Nominal Air Flow	L/s (CFM)	614 (1300)	755 (1600)	944 (2000)	1133 (2400)	1511 (3200)	
External Static Pressure	Pa	100	100	100	100	100	
External Static Pressure, High Static (H) *	Pa	200	200	200	200	200	
Fan Coil Water Volume	cm ³	4536	5670	7689	9072	11341	
Condensate Drain Size (Nominal)	mm (in)	19 (3/4")	19 (3/4")	19 (3/4")	25 (1")	25 (1")	
Nominal Water Flow Rate	USGPM	5.6	7.1	8.7	10.8	14.5	
	LITRES/M	21.2	26.9	32.9	40.9	53.1	
Head Loss	kPa	25.1	31.7	22.7	28.0	29.4	
Max. Working Pressure	kPa (psi)	1600 (230)					
Connection (BSPT) - Male Connection	inch (mm)	1" (25)	1" (25)	1" (25)	1" (25)	1" (25)	
Unit Weight	Single Skin	kg (lb)	61 (134)	67 (148)	72 (159)	95 (209)	104 (229)
	Double Skin	kg (lb)	75 (165)	76 (167)	87 (192)	112 (247)	121 (267)
Sound Pressure Level	dBA	48	49	51	51	56	

Components Data

MODEL		SDFH013AW	SDFH016AW	SDFH020AW	SDFH024AW	SDFH032AW		
CASING	Outline Dimension (Single Skin)	Length	mm	805	805	1025	1405	1405
		Depth	mm	765	765	765	765	765
		Height	mm	549	549	549	549	549
	Outline Dimension (Double Skin) *	Length	mm	799	799	1019	1399	1399
		Depth	mm	756	756	756	756	756
		Height	mm	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		
	Size (Diameter x Length)	mm 241 x 241						
	Drive	Direct						
FAN MOTOR	Type	3 Speed Permanent Split Capacitor						
	Quantity	1	1	1	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	
	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	
	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	
	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	m ² (ft ²)	0.27 (2.9)	0.27 (2.9)	0.37 (3.9)	0.54 (5.8)	0.54 (5.8)	
	Row x FPI		4 x 14	5 x 13	5 x 12	4 x 14	5 x 13	
FILTRATION	Type	Washable GI Frame Filter / G3						
	Quantity	PC	2	2	2	3	3	
	Dimension (L x W x 21)	mm	210x420 420x420	210x420 420x420	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 6.67°C (44.0°F).
 - Leaving water temperature 14.44°C (58.0°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.

SDFH-A

General Data



MODEL			SDFH040AW	SDFH048AW	SDFH064AW	SDFH080AW	SDFH096AW
Nominal Cooling Capacity	Btu/h		113,000	156,000	190,000	231,000	300,000
	W		33,100	45,700	55,700	67,700	87,900
Nominal Sensible Cooling Capacity	Btu/h		102,000	127,000	159,000	196,000	249,000
	W		29,900	37,200	46,600	57,400	73,000
Power Supply	V/Ph/Hz		380~415 / 3 / 50				
Nominal Input Power	Std. Static	W	2901	3826	5199	6550	8917
	High Static	W	-	-	-	-	-
Nominal Air Flow	L/s (CFM)		1889 (4000)	2266 (4800)	3022 (6400)	3626 (7680)	4533 (9600)
External Static Pressure	Pa		150	150	150	225	225
External Static Pressure, High Static (H) *	Pa		-	-	-	-	-
Fan Coil Water Volume	cm ³		16966	21208	25260	27699	34624
Condensate Drain Size (Nominal)	mm (in)		25 (1")	25 (1")	32 (1 1/4")	32 (1 1/4")	32 (1 1/4")
Nominal Water Flow Rate	USGPM		17.7	22.3	27.3	33.2	43.0
	LITRES/M		66.9	84.4	103.3	125.5	163.0
Head Loss	kPa		30.9	29.9	26.4	29.3	27.9
Max. Working Pressure	kPa (psi)		1600 (230)				
Connection (BSPT) - Male Connection	inch (mm)		1 1/4" (32)	1 1/4" (32)	2" (50)	2" (50)	2" (50)
Unit Weight	Single Skin	kg (lb)	183 (403)	195 (430)	220 (485)	338 (745)	368 (811)
	Double Skin	kg (lb)	194 (428)	206 (454)	229 (505)	333 (734)	363 (800)
Sound Pressure Level	dBA		56	57	60	61	66

Components Data

MODEL			SDFH040AW	SDFH048AW	SDFH064AW	SDFH080AW	SDFH096AW	
CASING	Outline Dimension (Single Skin)	Length	mm	1541	1541	1795	1765	1765
		Depth	mm	1029	1029	1029	1239	1239
		Height	mm	885	885	885	1231	1231
	Outline Dimension (Double Skin) *	Length	mm	1546	1546	1799	1757	1757
		Depth	mm	1067	1067	1067	1320	1320
		Height	mm	881	881	881	1315	1315
	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	1	1	
	Size (Diameter x Length)	mm	381 x 381			457 x 457		
	Drive		Belt					
FAN MOTOR	Type		Squirrel Cage / Induction					
	Quantity		1	1	1	1	1	
	Power Source (V/Ph/Hz)		380~415 / 3 / 50					
	Index of Protection (IP)/ Insulation Grade / Poles		IP54 / F / 4					
	Capacitor	µF	-	-	-	-	-	
	Capacitor High Static	µF	-	-	-	-	-	
	Rated Running Current	A	3.4	4.7	6.3	8.1	11	
	Rated Running Current, High Static	A	-	-	-	-	-	
	Motor Output	W	1500	2200	3000	4000	5500	
	Motor Output, High Static	W	-	-	-	-	-	
COIL	Tube	Material/Diameter/Thickness (mm)	Cu / 9.52 / 0.28					
	Fin	Material/Thickness (mm)	Aluminium, 0.11					
	Face Area	m ² (ft ²)	0.99 (10.7)	0.99 (10.7)	1.19 (12.8)	1.63 (17.5)	1.63 (17.5)	
	Row x FPI		4 x 12	5 x 12	5 x 11	4 x 13	5 x 13	
FILTRATION	Type		Washable GI Frame Filter / G3					
	Quantity	PC	3	3	4	4	4	
	Dimension (L x W x 21)	mm	738 x 454	738 x 454	738x454 738x252	793 x 523	793 x 523	

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 6.67°C (44.0°F).
 - Leaving water temperature 14.44°C (58.0°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.

SDF-B

General Data



MODEL		SDF004BW	SDF006BW	SDF008BW	SDF010BW	SDF013BW	SDF016BW	SDF020BW	
Nominal Cooling Capacity	Btu/h	15,300	20,000	24,000	30,000	39,000	49,000	61,000	
	W	4,500	5,900	7,100	8,800	11,500	14,400	17,900	
Nominal Sensible Cooling Capacity	Btu/h	11,300	15,000	19,000	24,000	32,000	39,000	49,000	
	W	3,400	4,400	5,600	7,100	9,400	11,500	14,400	
Power Supply	V/Ph/Hz	220~240 / 1 / 50							
Total Input Power	Std. Static	W	121	268	365	417	417	553	553
	Low Static	W	-	134	186	268	-	-	-
	High Static	W	-	-	-	-	553	891	891
Nominal Air Flow	L/s (CFM)	188 (400)	283 (600)	378 (800)	472 (1000)	614 (1300)	755(1600)	944 (2000)	
External Static Pressure	Pa	100**	100	100	100	100	100	100	
External Static Pressure, Low Static (L) *	Pa	-	30	30	30	-	-	-	
External Static Pressure, High Static (H) *	Pa	-	-	-	-	200	200	200	
Fan Coil Water Volume	cm ³	1661	1661	1661	2091	3337	4449	5502	
Condensate Drain Size (Nominal)	mm (in)	19 (3/4")							
Nominal Water Flow Rate	USGPM	3.49	4.49	5.36	6.74	8.86	11.03	12.52	
	LITRES/M	13.20	16.98	20.28	25.50	33.54	41.76	47.40	
Head Loss	kPa	29.8	25.9	35.6	34.1	25.6	21.5	19.1	
Max. Working Pressure	kPa (psi)	1600 (230)							
Connection (BSPT) - Male Connection	inch	3/4 (19)	1" (25)						
Unit Weight	Single Skin	(mm)	-	35 (77)	36 (79)	38 (84)	48 (106)	50 (110)	64 (141)
	Double Skin	kg (lb)	40 (88)	45 (99)	47 (104)	50 (110)	65 (143)	67 (148)	82 (181)
Sound Pressure Level	dBA	44	46	47	48	49	50	51	

Components Data

MODEL		SDF004BW	SDF006BW	SDF008BW	SDF010BW	SDF013BW	SDF016BW	SDF020BW		
CASING	Outline Dimension (Single Skin)	Length	mm	-	800	800	940	1190	1190	1410
		Depth	mm	-	665	665	665	665	665	665
		Height	mm	-	350	350	350	400	400	400
	Outline Dimension (Double Skin) *	Length	mm	736	736	736	876	1126	1126	1346
		Depth	mm	770	770	770	770	770	770	770
		Height	mm	400	400	400	400	450	450	450
	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	1	1	1	1	1	
	Size (Diameter x Length)	mm	160 x 200	203 x 203			241 x 241			
	Drive	Direct								
FAN MOTOR	Type	3 Speed Permanent Split Capacitor								
	Quantity	1	1	1	1	1	1	1	1	
	Power Source (V/Ph/Hz)	220~240 / 1 / 50								
	Index of Protection (IP)/ Insulation Grade / Poles	IP20 / B / 4, 6*								
	Capacitor	µF	3.5	6.0	10.0	10.0	10.0	12.0	12.0	
	Capacitor, Low Static	µF	-	4.0	6.0	6.0	6.0	10.0	10.0	
	Rated Running Current	A	0.6	1.2	1.6	2.0	2.0	2.5	2.5	
	Rated Running Current, Low Static	A	-	0.6	0.8	1.2	-	-	-	
	Rated Running Current, High Static	A	-	-	-	-	2.3	3.7	3.7	
	Motor Output	W	55	120	180	250	250	350	350	
	Motor Output, Low Static	W	-	70*	90*	120	-	-	-	
	Motor Output, High Static	W	-	-	-	-	350	600	600	
COIL	Tube	Material/Diameter/Thickness (mm)	Cu/ 9.52/ 0.28							
	Fin	Material/Thickness (mm)	Aluminium, 0.11							
	Face Area	m ² (ft ²)	0.16 (1.7)	0.16 (1.7)	0.16 (1.7)	0.21 (2.3)	0.33 (3.6)	0.33 (3.6)	0.41 (4.4)	
	Row x FPI		3 x 16	3 x 16	3 x 16	3 x 16	3 x 14	4 x 12	4 x 12	
FILTRATION	Type	Washable GI Frame Filter / G3								
	Quantity	PC	2	2	2	3	2	2	3	
	Dimension (L x W x 21)	mm	350 x 288	350 x 288	350 x 288	350x288 350x140	400 x 483	400 x 483	400x483 400x220	

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.

SDFH-B

General Data



MODEL		SDFH004BW	SDFH006BW	SDFH008BW	SDFH010BW	SDFH013BW	SDFH016BW	SDFH020BW	
Nominal Cooling Capacity	Btu/h	14,000	19,000	24,000	29,000	39,000	49,000	59,000	
	W	4,100	5,600	7,100	8,500	11,500	14,400	17,300	
Nominal Sensible Cooling Capacity	Btu/h	10,600	15,000	20,000	24,000	32,000	40,000	49,000	
	W	3,200	4,400	5,900	7,100	9,400	11,800	14,400	
Power Supply	V/Ph/Hz	220~240 / 1 / 50							
Total Input Power	Std. Static	W	121	268	365	417	417	553	553
	Low Static	W	-	-	-	-	-	-	-
	High Static	W	-	-	-	-	553	891	891
Nominal Air Flow	L/s (CFM)	216 (460)	283 (600)	378 (800)	472 (1000)	614 (1300)	755 (1600)	944 (2000)	
External Static Pressure	Pa	100**	100	100	100	100	100	100	
External Static Pressure, Low Static (L) *	Pa	-	-	-	-	-	-	-	
External Static Pressure, High Static (H) *	Pa	-	-	-	-	200	200	200	
Fan Coil Water Volume	cm ³	1661	1661	1661	2091	3337	4449	5502	
Condensate Drain Size (Nominal)	mm (in)	19 (3/4")							
Nominal Water Flow Rate	USGPM	2.06	2.54	3.01	3.80	5.07	6.18	6.82	
	LITRES/M	7.80	9.60	11.40	14.40	19.20	23.40	25.80	
Head Loss	kPa	18.4	15.6	23.0	26.5	34.4	12.3	13.5	
Max. Working Pressure	kPa (psi)	1600 (230)							
Connection (BSPT) - Male Connection	inch	3/4" (19)	1" (25)	1" (25)	1" (25)	1" (25)	1" (25)	1" (25)	
Unit Weight	Single Skin	(mm)	-	36 (79)	37 (82)	39 (86)	50 (110)	53 (117)	67 (148)
	Double Skin	kg (lb)	41 (90)	46 (101)	48 (106)	51 (112)	67 (148)	70 (154)	85 (187)
Sound Pressure Level	dBA	44	46	47	48	49	50	51	

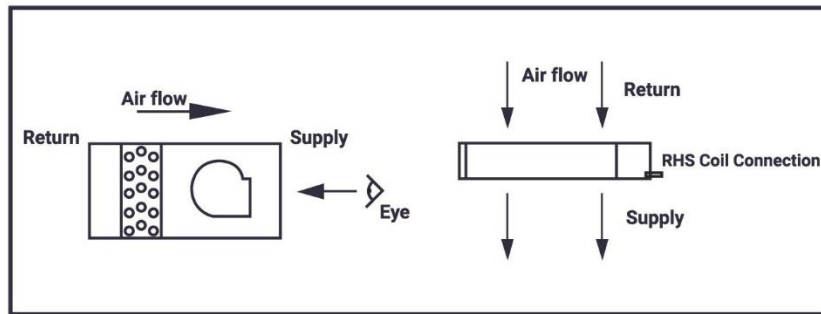
Components Data

MODEL		SDFH004BW	SDFH006BW	SDFH008BW	SDFH010W	SDFH013BW	SDFH016BW	SDFH020BW		
CASING	Outline Dimension (Single Skin)	Length	mm	-	800	800	940	1190	1190	1410
		Depth	mm	-	665	665	665	665	665	665
		Height	mm	-	350	350	350	400	400	400
	Outline Dimension (Double Skin) *	Length	mm	736	736	736	876	1126	1126	1346
		Depth	mm	770	770	770	770	770	770	770
		Height	mm	400	400	400	400	450	450	450
	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	1	1	1	1	1	
	Size (Diameter x Length)	mm	160 x 200	203 x 203			241 x 241			
	Drive	Direct								
FAN MOTOR	Type	3 Speed Permanent Split Capacitor								
	Quantity	1	1	1	1	1	1	1	1	
	Power Source (V/Ph/Hz)	220~240 / 1 / 50								
	Index of Protection (IP)/ Insulation Grade / Poles	IP20 / B / 4, 6*								
	Capacitor	µF	3.5	6.0	10.0	10.0	10.0	12.0	12.0	
	Rated Running Current	A	0.6	1.2	1.6	2.0	2.0	2.5	2.5	
	Rated Running Current, Low Static	A	-	-	-	-	-	-	-	
	Rated Running Current, High Static	A	-	-	-	-	2.3	3.7	3.7	
	Motor Output	W	55	120	180	250	250	350	350	
	Motor Output, Low Static	W	-	-	-	-	-	-	-	
	Motor Output, High Static	W	-	-	-	-	350	600	600	
COIL	Tube	Material/Diameter/Thickness (mm)	Cu/ 9.52/ 0.28							
	Fin	Material/Thickness (mm)	Aluminium, 0.11							
	Face Area	m ² (ft ²)	0.16 (1.7)	0.16 (1.7)	0.16 (1.7)	0.21 (2.3)	0.33 (3.6)	0.33 (3.6)	0.41 (4.4)	
	Row x FPI		4 x 13	4 x 13	4 x 13	4 x 13	4 x 12	5 x 12	5 x 11	
	Type	Washable GI Frame Filter / G3								
FILTRATION	Quantity	PC	2	2	2	3	2	2	3	
	Dimension (L x W x 21)	mm	350 x 288	350 x 288	350 x 288	350x288 350x140	400 x 483	400 x 483	400x483 400x220	

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 6.67°C (44.0°F).
 - Leaving water temperature 14.44°C (58.0°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.

DETERMINING SDF HANDLING SIDE (R/L)



NOMENCLATURE

		SDFHD016AWW-AR
S	Brand	S : Saiver
DF	Model Name	DF : Ducted Fan Coil
H	Coil Option	Blank : Standard Delta T H : High Delta T
D	Casing	Blank : Single Skin D : Double Skin
016	Nominal Air Flow	006 : 600 cfm
		080 : 800 cfm
		010 : 1,000 cfm
		013 : 1,300 cfm
		016 : 1,600 cfm
		020 : 2,000 cfm
		024 : 2,400 cfm
		032 : 3,200 cfm
		038 : 3,800 cfm
		040 : 4,000 cfm
		048 : 4,800 cfm
		064 : 6,400 cfm
080 : 8,000 cfm		
096 : 9,600 cfm		
A	Generation	A : A Series B : B Series
W	Cooling Medium	W : Water
W	Heating Medium	W : With Heating Coil
A	Electrical Supply	A : 1 Ph 220~250 50Hz (Standard)
		B : 1 Ph 208~230V 60 Hz
		F : 3 Ph 380~415V 50 Hz (Standard)
		G : 3 Ph 380V 60 Hz
		H : 3 Ph 220V 60 Hz
R	Piping Position	L : Left R : Right

SAIVER S.R.L.

Via M. da Bessozzo
16 20052 Monza (Milan) Italy
Tel: +39.039.282831 Fax: +39.039.2025668
E-mail: info@saiver.com
Website: www.saiver.it

Welcome Air-Tech (Malaysia) Sdn Bhd

Lot 4351, Jalan Bukit Kemuning,
Batu 8, Taman Sri Muda,
Seksyen 25, 40400 Shah Alam,
Selangor Darul Ehsan, Malaysia
Tel: +603-51218090 Fax: +603-51228090
E-mail: sales@saiver-welaire.com.my
Website: www.saiver-welaire.com.my

Zhongsan Saiver Welaire Air-Cond. Equip. Co. Ltd.

Guanfeng Industrial Estate
Shalang, West District
Zhongsan City, Guangdong Province, China
Tel: +86-76023331878 Fax: +86-760 2333 1178
E-mail: sales@saiver-welaire.com.cn
Website: www.saiver-welaire.com.cn