



SDXW Series DX Cooling with Hot Water Heat

Uncased Horizontal Ceiling Mounted Air Handler

Standard Features

- High performance dual constant torque blower design.
- Hot Water heat models supply voltage is 115/1/60.
- High efficiency slab AC coil design.
- Space saving ceiling mount design.
- Prewired for heating, cooling and heat pump models
- Galvanized steel blower wheels and housings.
- Pre-wired for cooling, heating and heat pump operation.
- Hydronic control board with built-in water pump cycle timer that cycles the water pump every 6 hours for 60 seconds.
- Water pump is factory installed on these units.
- Freeze protection switch is installed on these units.
- Standard control transformer is 115 VAC primary/ 24 VAC secondary/ 40 VA.
- Secondary circuit of the transformer is grounded per UL60335-2-40 requirements.
- Meets UL60335-2-40; A2L RDS requirements with R-32 or R-454B TXV's
- Meets ASHRAE standard 193 low leak requirements
- Primary and secondary condensate pan drain connections.
- Easy access for service and maintenance.
- High efficiency copper tube and aluminum fin coils.

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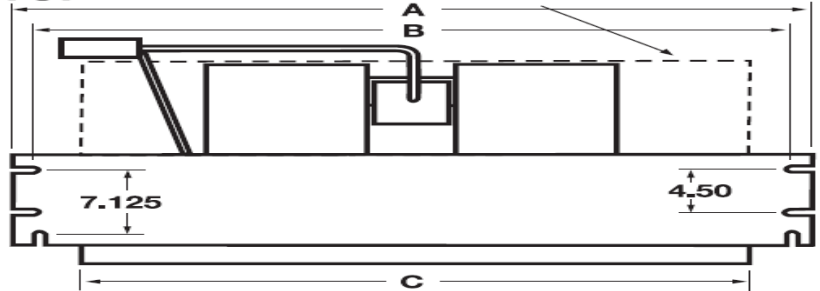
Description:

The SDXW Series horizontal fan coil series is designed for horizontal mounting into a furred down ceiling. This space saving SDXW series handles up to 1150 CFM of air movement, up to 3 tons of cooling, Hot water capacity from 14,400 to 51,100 BTU/H, depending on entering water temperature and water pump GPM. Refer to the heating capacity table below for mor information. For cooling requirements, these units are designed to match with most br. The SDXW Series are rated for 115/1/60. These units are ETL listed.

Unit Information Table

Model No.	Heating Capacities						Heating GPM	Press Drop FT-WTR
	130°F	140°F	150°F	160°F	170°F	180°F		
SDXW - 18	18,000	21,100	24,200	27,300	30,500	33,600	3.0	3.3
SDXW - 19	19,200	22,500	25,800	29,100	32,400	35,800	3.0	3.3
SDXW - 24	19,300	22,700	26,000	29,400	32,700	36,100	3.0	3.3
SDXW - 30	23,700	27,800	32,000	36,000	40,100	44,300	3.0	3.7
SDXW - 31	23,900	28,000	32,200	36,300	40,500	44,600	3.0	3.7
SDXW - 34	25,300	29,600	33,900	38,300	42,700	47,100	3.0	3.7
SDXW - 35	25,400	29,800	34,000	38,500	42,900	47,300	3.0	3.7
SDXW - 36	27,200	31,800	36,500	41,200	45,900	50,600	3.0	4.2
SDXW - 37	27,500	32,200	36,900	41,600	46,300	51,100	3.0	42.0

Physical Dimensions



Dimensional Data

Model Number	Liquid Line	Suction Line	Water Line	Water Rows	Evap. Rows	A	B	C	Ship Wt.
SDXW - 12	3/8	3/4	(2) 5/8	2	2	37	34.25	30	55
SDXW - 18	3/8	3/4	(2) 5/8	2	3	37	34.25	30	60
SDXW - 19	3/8	3/4	(2) 5/8	2	4	37	34.25	30	65
SDXW - 24	3/8	3/4	(2) 5/8	2	3	37	34.25	30	60
SDXW - 30	3/8	3/4	(2) 5/8	2	3	45	42.25	38	70
SDXW - 31	3/8	3/4	(2) 5/8	2	4	45	42.25	38	75
SDXW - 34	3/8	3/4	(2) 5/8	2	3	49	46.25	42	74
SDXW - 35	3/8	3/4	(2) 5/8	2	4	49	46.25	42	80
SDXW - 36	3/8	3/4	(2) 5/8	2	3	56	53.25	49	85
SDXW - 37	3/8	3/4	(2) 5/8	2	4	56	53.25	49	90

Clearance to Combustibles

Top (in)	Back (in)	Sides (in)	Supply Duct (in)
0	0	0	0

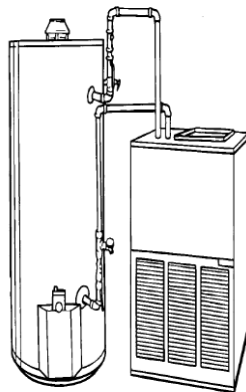
Air Filter Sizes

Model	Filters
HCPL-1	(2) 16x16x1
HCPL-2	(2) 16x20x1
HCPL-3	(2) 16x25x1
HCPL-4	(2) 16x25x1

Factory Installed Options

- Louvered access panel.
- Non-louvered access panel
- Thermostatic expansion valve. Expansion valves are suitable for both AC and Heat Pump applications.

Hot Water Heat configuration with a Hot Water Tank



Field Installed Options

- Louvered or non-louvered ceiling access panels.

Discharge Opening

Model	Opening (in)
18/24	30 x 7.25
30	38 x 7.25
34/35	42 x 7.25
36/37	49 x 7.25

Louvered Ceiling Panels



Louvered Ceiling Panel Information

Part No.	Overall frame Dimension	Type	SunTherm Horizontal Air Handler Models	Ship Wt.
CPL1	27.5 x 43	Louvered	SEHX-18, SEHX-19,	18
CPNL1	27.5 x 43	Non-Louvered	SEHX-24	18
CPL2	27.5 x 49	Louvered	SEHX-25, SEHX-30,	20
CPNL2	27.5 x 49	Non-Louvered	SEHX-31	20
CPL3	27.5 x 55.5	Louvered	SEHX-34, SEHX-35	21
CPNL3	27.5 x 55.5	Non-Louvered		21
CPL4	27.5 x 62.5	Louvered	SEHX-36, SEHX-37	22
CPNL4	27.5 x 62.5	Non-Louvered		22

