



CDXW Series DX Cooling with Hot Water Heat

Cased 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 and cooling
- 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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Uncased Horizontal Ceiling Mounted Air Handler

Description:

The CDXW Series horizontal fan coil series is designed for horizontal mounting into a furred down ceiling. This space saving CDXW series handles up to 1150 CFM of air movement, up to 3 tons of cooling, and up to 14,400 to 51,100 BTU/H hot water capacity. For cooling requirements, these units are designed to match with most brands of AC condensing units. The CDXW 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	Voltage VAC/PH/Hz
	130°F	140°F	150°F	160°F	170°F	180°F			
CDXW - 18	18,000	21,100	24,200	27,300	30,500	33,600	3.0	3.3	115/1/60
CDXW - 19	19,200	22,500	25,800	29,100	32,400	35,800	3.0	3.3	115/1/60
CDXW - 24	19,300	22,700	26,000	29,400	32,700	36,100	3.0	3.3	115/1/60
CDXW - 30	23,700	27,800	32,000	36,000	40,100	44,300	3.0	3.7	115/1/60
CDXW - 31	23,900	28,000	32,200	36,300	40,500	44,600	3.0	3.7	115/1/60
CDXW - 34	25,300	29,600	33,900	38,300	42,700	47,100	3.0	3.7	115/1/60
CDXW - 35	25,400	29,800	34,000	38,500	42,900	47,300	3.0	3.7	115/1/60
CDXW - 36	27,200	31,800	36,500	41,200	45,900	50,600	3.0	4.2	115/1/60
CDXW - 37	27,500	32,200	36,900	41,600	46,300	51,100	3.0	4.2	115/1/60

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

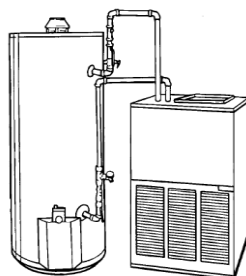
Factory Installed Options

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

Field Installed Options

- Louvered or non-louvered ceiling access panels.

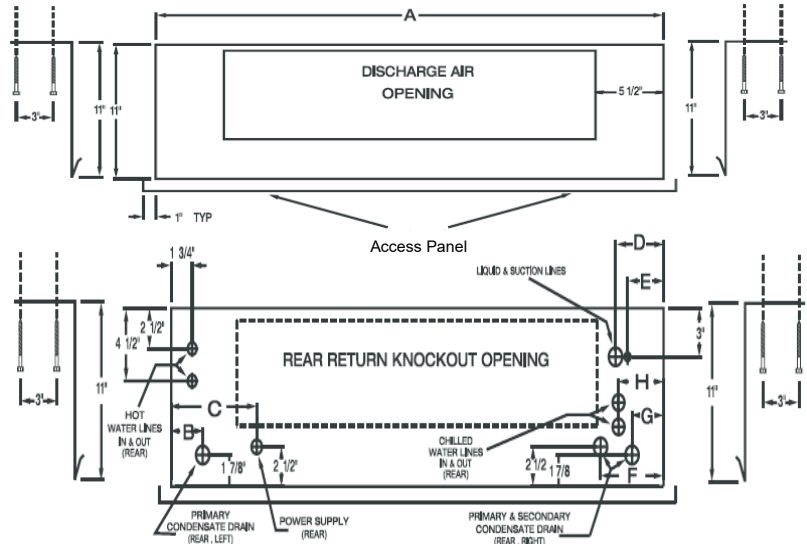
Hot Water Heat configuration with a Hot Water Tank



Rear Return Knock Out Opening

Model	Opening (in)
18/24	30 x 6.50
30	38 x 6.50
34/35	42 x 6.50
36/37	49 x 6.50

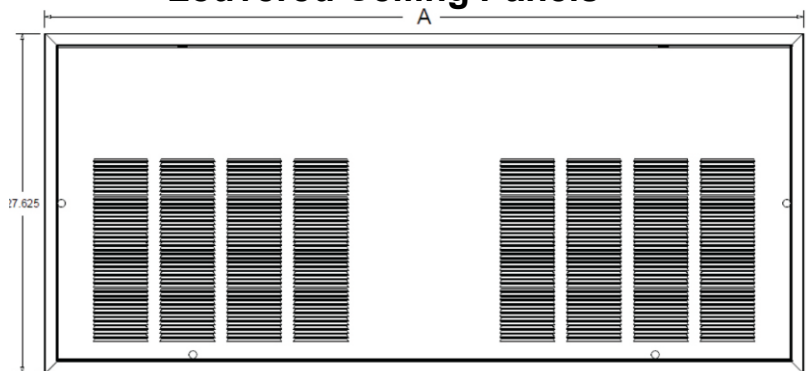
Physical Dimensions



Dimensional Data

Model Number	A	B	C	D	E	F	G	H
CDXW - 18	41	2 5/8	7 7/8	4	3	5 1/4	2 5/8	3 3/4
CDXW - 19	41	2 5/8	7 7/8	4	3	5 1/4	2 5/8	3 3/4
CDXW - 24	41	2 5/8	7 7/8	4	3	5 1/4	2 5/8	3 3/4
CDXW - 25	47	2	10 1/2	2 1/2	1 1/2	4 5/8	2	2 11/16
CDXW - 30	47	2	10 1/2	2 1/2	1 1/2	4 5/8	2	2 11/16
CDXW - 31	47	2	10 1/2	2 1/2	1 1/2	4 5/8	2	2 11/16
CDXW - 34	53 1/2	3 1/4	13 3/4	3 1/4	2 3/4	5 7/8	3 1/4	3 15/16
CDXW - 35	53 1/2	3 1/4	13 3/4	3 1/4	2 3/4	5 7/8	3 1/4	3 15/16
CDXW - 36	60 1/2	3 1/4	17 1/2	3 1/4	2 3/4	5 7/8	3 1/4	3 15/16
CDXW - 37	60 1/2	3 1/4	17 1/2	3 1/4	2 3/4	5 7/8	3 1/4	3 15/16

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, SEHX-24	18
CPNL1	27.5 x 43	Non-Louvered	SEHX-24	18
CPL2	27.5 x 49	Louvered	SEHX-25, SEHX-30, SEHX-31	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	SEHX-34, SEHX-35	21
CPL4	27.5 x 62.5	Louvered	SEHX-36, SEHX-37	22
CPNL4	27.5 x 62.5	Non-Louvered	SEHX-36, SEHX-37	22

