



CCWW Series Chilled Water Cooling with Hot Water Heat Cased Horizontal Ceiling Mount Air Handler

Standard Features

- High performance dual constant torque blower design.
- Hot Water heat models supply voltage is 115/1/60.
- Space saving ceiling mount design.
- 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 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.
- Unit can be configured as hot water heat with chilled water cooling using one coil for hot water heat and a second coil for chilled water cooling, (4 Pipe), Refer to the tables in the specification sheet or installation manual for more details.

CCWW Series Chilled Water Cooling with Hot Water Heat

Description: Cased Horizontal Ceiling Mount Air Handler

The CCWW Series horizontal fan coil series is designed for horizontal mounting into a furred down ceiling. This space saving CCWW series handles up to 1150 CFM of air movement. Chilled water cooling capacities from 14,700 to 33,250 BTU/H, depending on chilled water temperature and water pump GPM. Hot water heat capacity from 33,998 to 119,665 BTU/H, depending on entering water temperature and water pump GPM. Refer to the chilled water and Hot water tables in the installation manual or specification guides. The CCWW Series are rated for 115/1/60. These units are ETL listed.

Unit Information Table

Model No.	Total Amps	Water Cooling Capacities @ 80°F DB / 67°F WB / 45°F Ent. Temp	GPM	CFM	Min. Circuit Ampacity	(2) Max. Fuses
CCWW- 18	2.42	18,100	3.0	600	3.00	15
CCWW - 19	2.42	21,500	3.0	600	3.00	15
CCWW - 24	2.42	20,400	3.0	800	3.00	15
CCWW - 25	2.42	24,700	3.0	800	3.00	15
CCWW - 30	3.82	24,500	3.0	1000	4.80	15
CCWW - 31	3.82	29,600	3.0	1000	4.80	15
CCWW - 34	3.82	26,500	3.0	1200	4.80	15
CCWW - 35	3.82	31,900	3.0	1200	4.80	15
CCWW - 36	3.82	28,000	3.0	1200	4.80	15
CCWW - 37	3.82	33,400	3.0	1200	4.80	15

Hot Water Heat Table

Model Number	Heating Capacities						Heating GPM	Press Drop FT-WTR
	130°F	140°F	150°F	160°F	170°F	180°F		
CCWW- 18	18,000	21,100	24,200	27,300	30,500	33,600	3.0	3.3
CCWW - 19	19,200	22,500	25,500	29,100	32,400	35,800	3.0	3.3
CCWW - 24	19,300	22,700	26,000	29,400	32,700	36,100	3.0	3.3
CCWW - 25	19,300	22,700	26,000	29,400	32,700	36,100	3.0	3.3
CCWW - 30	23,700	27,800	32,000	36,000	40,100	44,300	3.0	3.7
CCWW - 31	23,900	28,000	32,200	36,300	40,500	44,600	3.0	3.7
CCWW - 34	25,300	29,600	33,900	38,300	42,700	47,100	3.0	3.7
CCWW - 35	25,400	29,800	34,000	38,500	42,900	47,300	3.0	3.7
CCWW - 36	27,200	31,800	36,500	41,900	46,900	51,900	3.0	4.2
CCWW - 37	27,500	32,200	36,900	42,300	47,300	52,300	3.0	4.2

Water and Motor Information Table

Model Number	Chilled Water Line		Hot Water Line Size	Hot Water Coil Rows	Chilled Water Coil Rows	Motor Code	Ship Wt.
	IN	OUT					
CCWW- 18	3/4	3/4	(2) 5/8	2	4	80	60
CCWW - 19	3/4	3/4	(2) 5/8	2	4	80	65
CCWW - 24	3/4	3/4	(2) 5/8	2	4	80	60
CCWW - 25	3/4	3/4	(2) 5/8	2	5	80	65
CCWW - 30	3/4	3/4	(2) 5/8	2	4	81	70
CCWW - 31	3/4	3/4	(2) 5/8	2	5	81	75
CCWW - 34	3/4	3/4	(2) 5/8	2	4	81	74
CCWW - 35	3/4	3/4	(2) 5/8	2	5	81	80
CCWW - 36	3/4	3/4	(2) 5/8	2	4	81	85
CCWW - 37	3/4	3/4	(2) 5/8	2	5	81	90

Factory Installed Options

- Louvered access panel.
- Non-louvered access panel
- Heat Pump applications with electric heat require an electric heat lockout switch – 24V.

Clearance to Combustibles

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

Field Installed Options

- Louvered or non-louvered ceiling access panels.

Air Filter Sizes

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

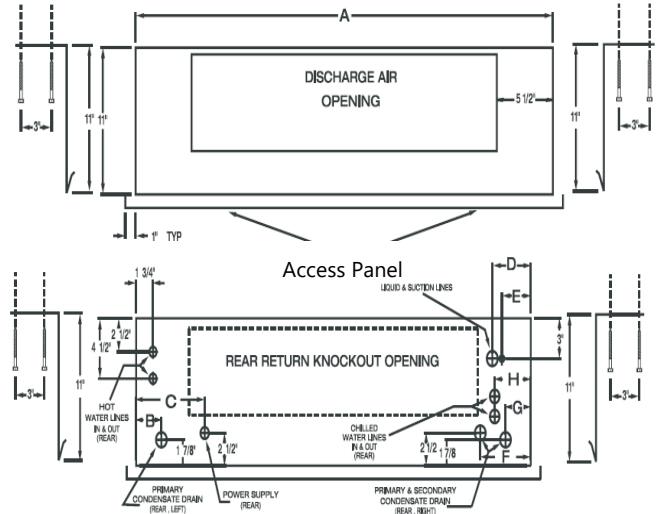
Discharge Opening

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

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

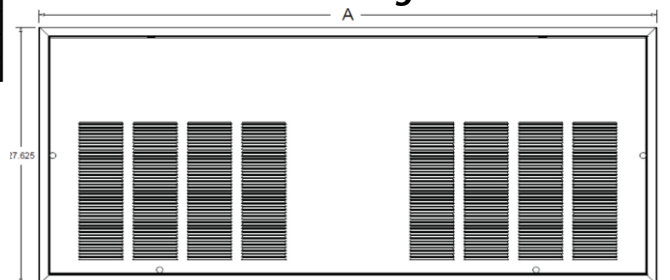
Physical Dimensions



Dimensional Data

Model Number	A	B	C	D	E	F	G	H
CCWW- 18	41	2.625	7.125	4	3	5.25	2.625	3.75
CCWW - 19	41	2.625	7.125	4	3	5.25	2.625	3.75
CCWW - 24	41	2.625	7.125	4	3	5.25	2.625	3.75
CCWW - 25	41	2.625	7.125	4	3	5.25	2.625	3.75
CCWW - 30	47	2	10.5	2.5	1.5	4.625	2	2.6875
CCWW - 31	47	2	10.5	2.5	1.5	4.625	2	2.6875
CCWW - 34	53.5	3.25	13.75	3.25	2.75	5.875	3.25	3.9375
CCWW - 35	53.5	3.25	13.75	3.25	2.75	5.875	3.25	3.9375
CCWW - 36	60.5	3.25	17.5	3.25	2.75	5.875	3.25	3.9375
CCWW - 37	60.5	3.25	17.5	3.25	2.75	5.875	3.25	3.9375

Louvered Ceiling Panels



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

