



CLD-HW



CLD-ST

CLD-HW/ST



LIGHT DUTY

ABOVE CEILING

The Chameleon is specifically designed to be dropped into the ceiling above customer entry ways where a standard air curtain cannot be exposed. Like the CED, the Chameleon also has the least objectionable airflow.

OPTIONS

HEATING

Hot WaterCLD-HW
SteamCLD-ST
Unheatedpg 79
Electricpg 79

FILTER

½" Cleanable

CUSTOM GRILLES

The white grille is standard with this model.
Consult factory for custom color or metal.



AT A GLANCE

Single Incremental Widths

3' to 12'

Max Installation Height

11'

Heavy Duty Motors

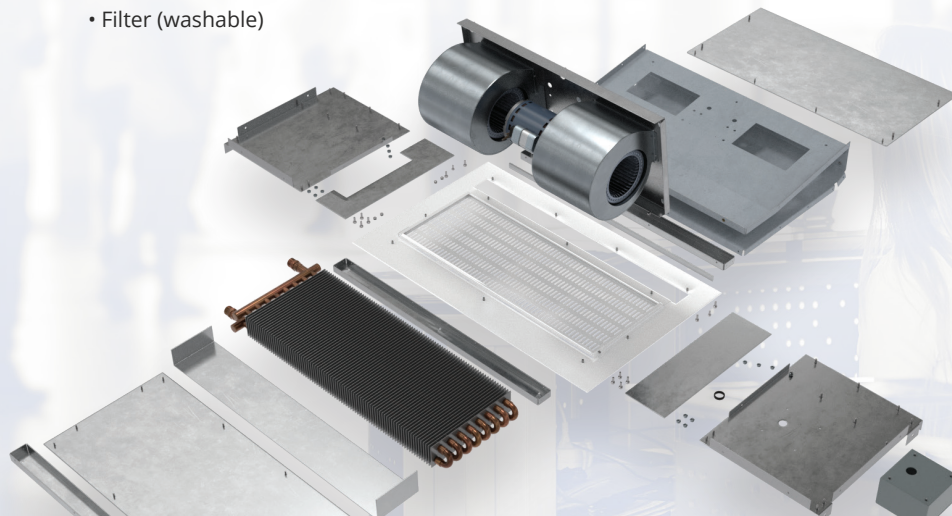
½ HP

KEY DESIGN FEATURES

- White decorative intake grille with hinged access panel (consult factory for custom finishes)
- 1/2 HP ODP (Open Drip Proof) direct-drive dual-speed motor(s)
- High-efficiency discharge plenum with adjustable air foil vane (+/-20°)
- Coil made to AHRI Standard 410
- Hot water coil comprised of galvanized steel casing, 5/8" copper tube, aluminum fins, and same end supply/return connections
- Leak tested at 450 psi
- Custom coil selections available (consult factory)

RECOMMENDED CONTROLS & ACCESSORIES

- Activation by 24V magnetic door switch
- Toggle disconnect switch
- SmartTouch Pro controller
- Hot water or steam control valve with actuator
- Filter (washable)



► CLD-HW/ST | PERFORMANCE

CLD-HW/ST | Performance Table

MODEL	Nozzle Width (in.)	Max. FPM at Nozzle	Avg. FPM	CFM at Nozzle	Outlet Velocity Uniformity	Number of Motors	Motor HP	Hot Water		Steam		Weight (lbs)
								mbtu / Hour	Temp. Rise (°F)	mbtu / Hour	Temp. Rise (°F)	
CLD-1-36HW/ST	36	3000	1205	892	88%	1	1/2	33	34	32	32	196
CLD-1-48HW/ST	48	3000	1131	1108	89%	1	1/2	40	33	41	34	214
CLD-1-60HW/ST	60	3000	998	1227	79%	1	1/2	48	36	48	36	245
CLD-2-72HW/ST	72	3000	1205	1784	88%	2	1/2	66	34	65	33	392
CLD-2-84HW/ST	84	3000	1209	2080	90%	2	1/2	78	34	76	33	405
CLD-2-96HW/ST	96	3000	1131	2216	89%	2	1/2	86	35	83	35	420
CLD-3-108HW/ST	108	3000	1205	2676	88%	3	1/2	102	35	98	33	588
CLD-3-120HW/ST	120	3000	1176	2892	88%	3	1/2	112	35	107	34	605
CLD-3-132HW/ST	132	3000	1111	3011	79%	3	1/2	119	36	114	35	620
CLD-4-144HW/ST	144	3000	1205	3568	88%	4	1/2	137	35	131	34	784



- For a unit over 12 feet long, consult factory.
- Performance values based off AMCA certified values of unheated CED air curtain.

CLD-HW/ST | Sound Levels

High Speed	53 dBA	Low Speed	51 dBA	Measured 10 ft. from unit in a free field based on a 1 motor unit
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CLD-HW/ST | Amp Draw and Breaker Options

Motors	120V Amp Draw (Breaker size)	208-230V Amp Draw (Breaker size)	480V Amp Draw (Breaker size)	575V Amp Draw (Breaker size)
CLD-HWST-1-36, 42, 48, 60	2.5A (15)	1.4A (15)	0.7A (15)	0.6A (15)
CLD-HWST-2-72, 84, 96, 108	5.0A (15)	2.8A (15)	1.4A (15)	1.2A (15)
CLD-HWST-3-108, 120, 132	7.5A (15)	4.2A (15)	2.1A (15)	1.8A (15)
CLD-HWST-4-144	10.0A (15)	5.6A (10)	2.8A (15)	2.4A (15)



NOTE

When requesting a quote for a Hot Water/Steam heated air curtain, please provide:

- Specifics of water/steam entering and exiting the air curtain
- Location for water/steam supplies and returns (both on one side or one each side)

► CLD-HW/ST | MECHANICAL DETAILS & DRAWINGS

CLD-HW/ST | Mechanical Information Table

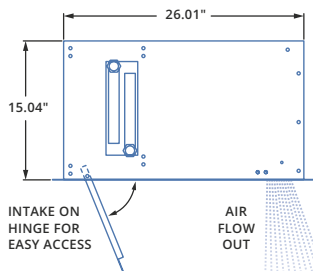
MODEL	Overall Width (in.)	Nozzle Width (in.)	Mounting Width (in.)
CLD-1-36HW/ST	39	36	37.5
CLD-1-48HW/ST	51	48	49.5
CLD-1-60HW/ST	63	60	61.5
CLD-2-72HW/ST	75.07	72.07	73.57
CLD-2-84HW/ST	87.07	84.07	85.57
CLD-2-96HW/ST	99.07	96.07	97.57
CLD-3-108HW/ST	111.15	108.15	109.65
CLD-3-120HW/ST	123.15	120.15	121.65
CLD-3-132HW/ST	135.15	132.15	133.65
CLD-4-144HW/ST	147.22	144.22	145.72



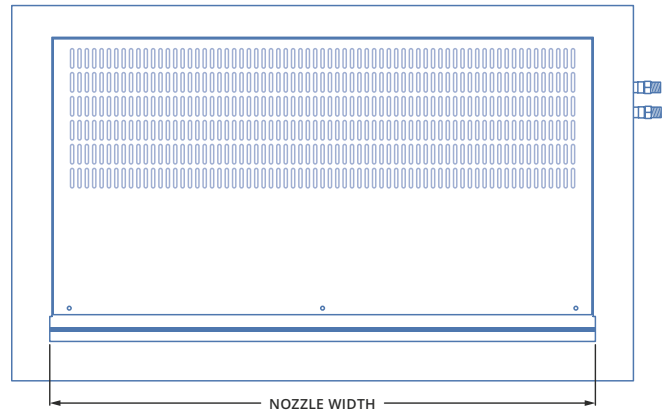
NOTE

1. Installer is responsible for structurally sound mounting of the unit.
2. Verify that overall dimensions will fit in the opening.
3. Size steam trap (provided by others) by 3x's the manufacturer's recommended size for satisfactory operation.
4. Coil connections are shown on right hand side, but they can be located on either right or left side of unit.

SIDE

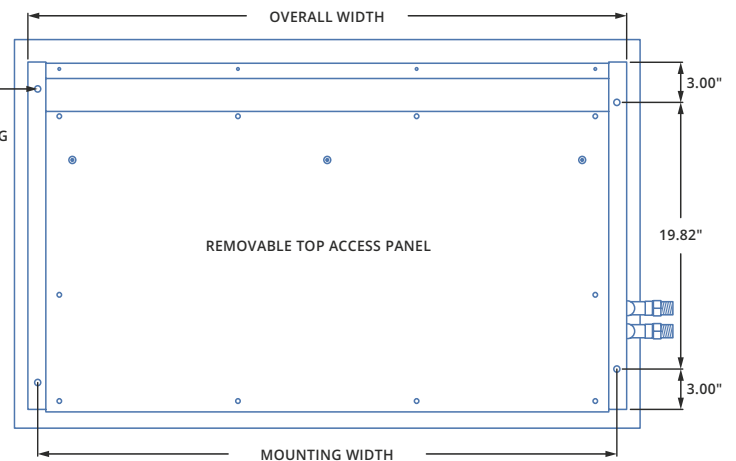


BOTTOM

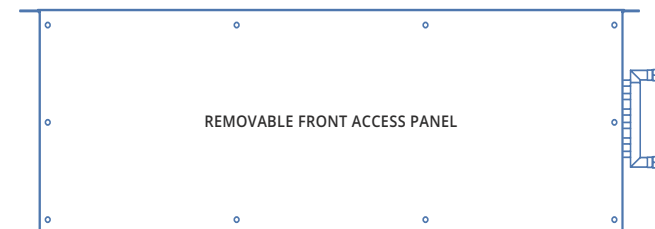


TOP

(4) Ø 0.469"
TOP MOUNTING HOLES



FRONT



► CLD, CLD-E, CLD-HW/ST | INSTALLATION



IMPORTANT

- ✓ Trained and experienced mechanic / electrician required.
- ✓ **WARNING:**
Risk of electrical shock, can cause injury or death: Disconnect all remote electrical supplies before servicing.
- ✓ Units must be field wired in accordance with all applicable local, state, provincial and national codes, including wire size and materials.
- ✓ All hardware and brackets must be of sufficient strength to safely support air curtain.



NOTE

For every one inch the bottom of the air curtain is mounted above the door header, the back side of the air curtain should be moved away from the wall ¼ inch.

Unit has four 15/32 inch holes for installing one end of 7/16" threaded rods. The other ends of the threaded rods can be attached to the ceiling. Washers and lock washers or locknuts are recommended. Mounting structure should be of sufficient strength to hold air curtain, and hardware (supplied by others) should be of sufficient strength and quality to support the unit safely.



STEP 1

Remove intake/discharge grille from bottom of air curtain. If ceiling is already in place, determine where air curtain location will be and cut a rectangular hole in the ceiling. The hole will be 1 inch longer and wider than the bottom length and width of the air curtain without the intake/discharge grille.



STEP 2

Suspend air curtain using threaded rods so that the bottom of the unit is centered within the cut out in the ceiling. There will be a 1/2 inch gap around the air curtain. Mount the unit so that the bottom is flush with the ceiling.



STEP 3

Attach the intake/discharge grille to the bottom of the air curtain. The grille is larger than the air curtain to cover the gaps between the air curtain and ceiling.