



## Buyer's Guide | Cold Front™ Heat-Transfer Doors

Model	CFD42U#F24	CFD42U#29	CFD47U#F24	CFD47U#F29
Environmental				
Maximum Cooling Capacity *	24 kW (82,000 BTU/hr.)	31 kW (105,800 BTU/hr.)	25 kW (85,325 BTU/hr.)	33 kW (112,630 BTU/hr.)
Nominal Cooling Capacity†	18 kW (61,500 BTU/hr.)	23 kW (78,500 BTU/hr.)	19 kW (64,850 BTU/hr.)	24 kW (82,000 BTU/hr.)
Coolant Type	Chilled Water	Chilled Water	Chilled Water	Chilled Water
Coolant Volume	1.3 Gal	1.8 Gal	1.5 Gal	1.9 Gal
Coolant Flow Rate	Up to 12 GPM	Up to 12 GPM	Up to 12 GPM	Up to 12 GPM
Coolant Inlet Temperature	Above Dew Point	Above Dew Point	Above Dew Point	Above Dew Point
Maximum Operating Pressure	100 psi	100 psi	100 psi	100 psi
Liquid-Side Pressure Drop	6.7 psi at 10 GPM	7.7 psi at 10 GPM	6.3 psi at 10 GPM	7.2 psi at 10 GPM
Coil Construction	Copper Tube, Aluminum Fin	Copper Tube, Aluminum Fin	Copper Tube, Aluminum Fin	Copper Tube, Aluminum Fin
Number of Circuits	17	17	19	19
Connection Type	ISO 7241-1 Series B Self-Sealing Quick Connects	ISO 7241-1 Series B Self-Sealing Quick Connects	ISO 7241-1 Series B Self-Sealing Quick Connects	ISO 7241-1 Series B Self-Sealing Quick Connects
Connection Location	# = B = Bottom Feed # = T = Top Feed	# = B = Bottom Feed # = T = Top Feed	# = B = Bottom Feed # = T = Top Feed	# = B = Bottom Feed # = T = Top Feed
Connection Material	Brass	Brass	Brass	Brass
Connection Size	19 mm / 0.75"	19 mm / 0.75"	19 mm / 0.75"	19 mm / 0.75"
Air Bleeding Valves	Bottom Feed: (2) Schrader	Bottom Feed: (2) Schrader	Bottom Feed: (2) Schrader	Bottom Feed: (2) Schrader
Airflow	From Rackmounted Equip.	From Rackmounted Equip.	From Rackmounted Equip.	From Rackmounted Equip.
Noise Level	None	None	None	None
Electrical				
Input Power	None Required	None Required	None Required	None Required
Fan Input Power	No Fans	No Fans	No Fans	No Fans
Physical				
HTD Size (H x W x D) (For Top Feed add 5" to height)	76.6" x 23.5" x 4.2"	76.6" x 29" x 4.2"	85" x 23.5" x 4.2"	85" x 29" x 4.2"
Weight—Empty/Full	68 lb./ 79 lb.	73 lb./88 lb.	77 lb./90 lb.	82 lb./ 97 lb.
Shipping Size (H X W X D)	14.5" x 31.75" x 88.38"	14.5" x 36.75" x 88.38"	14.5" x 31.75" x 97"	14.5" x 36.75" x 97"
HTD Shipping Weight	180 lb.	205 lb.	215 lb.	215 lb.
Max. White Space Consumed	~0.7 ft²	~0.85 ft²	~0.7 ft²	~0.85 ft²
Paint Finish	Black Powder Coat	Black Powder Coat	Black Powder Coat	Black Powder Coat
Operating Temperature Range	+41 to +140° F	+41 to +140° F	+41 to +140° F	+41 to +140° F
Storage Temperature Range	-40 to +140° F	-40 to +140° F	-40 to +140° F	-40 to +140° F
Max. Operating Rel. Humidity	60%	60%	60%	60%
Maximum Altitude	8200 feet	8200 feet	8200 feet	10,000 feet
Warranty				
Limited Warranty	3 Years Parts Only	3 Years Parts Only	3 Years Parts Only	3 Years Parts Only

\* Nominal cooling capacities listed are for 100% neutralization of heat load using ASHRAE recommended conditions: air entering rack at 2500 cfm, 80.6° F, 40% RH, and water entering HTD at 55° F, 12 GPM

† Maximum cooling capacities listed are for 100% neutralization of heat load using ASHRAE allowable conditions: Air entering rack at 2500 cfm, 90° F, 30% RH, and water entering HTD at 55° F, (12 GPM)