

CED Evaporator

CED Evaporator Electric Defrost with Patented Power Trim®

CED model unit coolers are specifically designed for commercial and industrial freezer applications, incorporating the time-proven Kramer Electric defrost. The positive heat source and ease of serviceability make these units the popular choice in electric defrosting. These units are suitable for maintaining room temperatures in the range of +35° to -30°F.

Models CED-1360 and larger have their defrost heaters grouped. A fused panel is provided as standard to protect each group in accord with the requirements of the National Electrical Code.



Features:

- Corrosion resistant casing, sturdy construction.
- Incoloy sheathed heaters.
- Coils constructed of Copper tubes and Aluminum fins.
- Industrial evaporators with 6 FPI.
- Heated drain pan for positive condensate drainage.
- Dependable ratings based on laboratory tests.
- Draw-thru air design.
- All models have motors with built-in overload protection.
- A fused panel for defrost heaters (Model CED-1360 and larger).
- Optional high pressure propeller fans.

Capacity Data • BTU/HR @ 10° TD

6 FPI	MODEL	Evaporator Temperature - °F							
		+25°	+20°	+10°	0°	-10°	-20°	-30°	-40°
	CED-450	51550	51100	49800	48400	47000	45200	42900	40200
	CED-620	70800	70100	68400	66600	64600	62200	59100	55400
	CED-850	96580	96200	93200	90700	88100	84800	80600	77500
	CED-1070	122050	120900	118700	115300	111600	107400	102000	95800
	CED-1360	154250	152600	149200	145100	141000	135600	128800	120700
	CED-1800	205650	203400	200700	194000	188000	180800	171800	161800

Performance Data

6 FPI	MODEL	CFM (2)	Air Throw	Motors (4)		Total Fan Motor Amps (4)		Defrost Heaters		
				Qty.	H.P.	230-3-60	460-3-60	Watts	Amps	
									230/3	460/3
6 FPI	CED-450D	8390	50	2	1/2	3.6	1.8	11050	26.0	15.0
	CED-450PP	11400	75	2	1-1/2	10.0	5.0	11050	26.0	15.0
	CED-620D	8200	50	2	1/2	3.6	1.8	11050	33.0	20.0
	CED-620PP	10900	75	2	1-1/2	10.0	5.0	11050	33.0	20.0
	CED-850D	12800	100	2	3/4	6.8	3.4	15120	35.0	20.0
	CED-850PP	17200	125	2	3	20.0	10.0	15120	35.0	20.0
	CED-1070D	14600	100	2	3/4	6.8	3.4	15120	47.0	27.0
	CED-1070PP	16400	125	2	3	20.0	10.0	15120	47.0	27.0
	CED-1360D	19700	100	3	3/4	10.2	5.1	29980	76.0	41.0
	CED-1360PP	22000	125	3	3	30.0	15.0	29980	76.0	41.0
	CED-1800D	26200	100	4	3/4	13.6	6.8	39200	100.0	53.0
	CED-1800PP	31200	125	4	3	40.0	20.0	39200	100.0	53.0

Connection Data

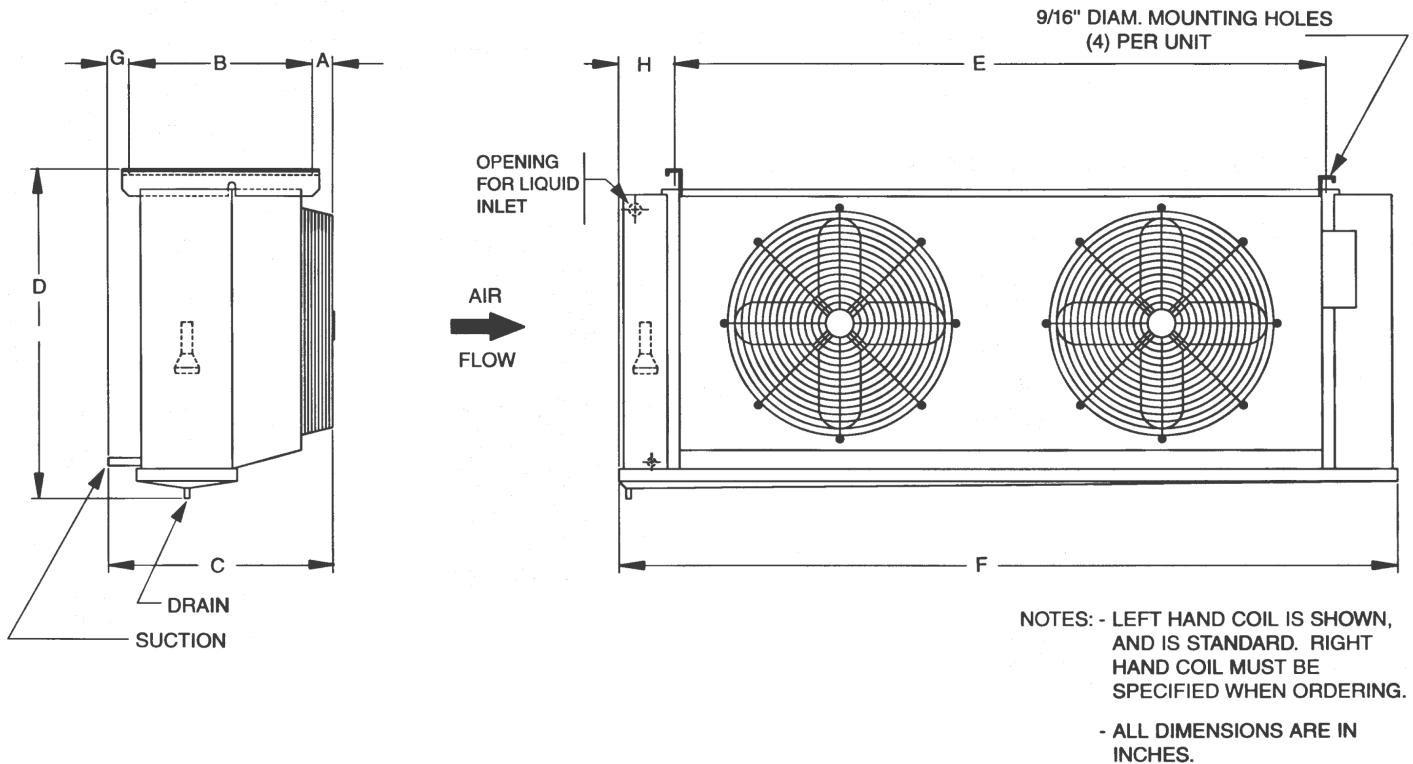
6 FPI	MODEL	Connections (5)			
		Suction O.D.	Liquid O.D.	Ext. Equal O.D.	Drain MPT
6 FPI	CED-450D	1-3/8	7/8	1/4	3/4
	CED-450PP	1-3/8	7/8	1/4	3/4
	CED-620D	1-5/8	1-1/8	1/4	3/4
	CED-620PP	1-5/8	1-1/8	1/4	3/4
	CED-850D	1-5/8	1-1/8	1/4	3/4
	CED-850PP	1-5/8	1-1/8	1/4	3/4
	CED-1070D	2-1/8	1-1/8	1/4	3/4
	CED-1070PP	2-1/8	1-1/8	1/4	3/4
	CED-1360D	2-1/8	1-3/8	1/4	1
	CED-1360PP	2-1/8	1-3/8	1/4	1
	CED-1800D	2-1/8	1-3/8	1/4	1
	CED-1800PP	2-1/8	1-3/8	1/4	1

2. "D" - Direct Drive high efficiency propeller fans.
"PP" - Direct Drive with high pressure axial propeller fans.
Do NOT use "PP" models above +25° box temperature.
"PP" models can operate with ESP up to 0.5".
At this condition CFM will drop to "D" model CFM.
3. Unrestricted air flow.
4. Single phase motors available on "D" models only, contact factory.
5. Connection sizes are based on R-22, and may vary from catalog when actual site operating conditions are provided at time of order.

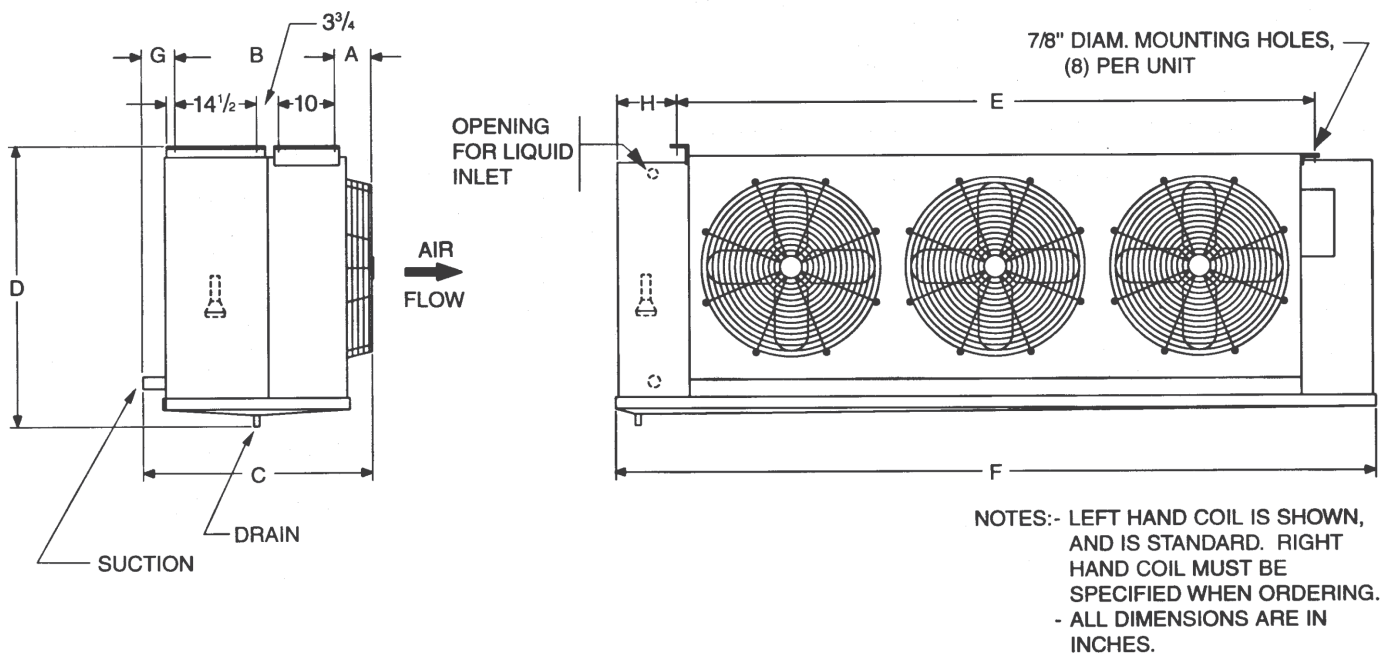
Dimensional Data

6 FPI	MODEL	Dimensions (in)								Ref. Chrg. (lbs.)	Approx. Ship Weight (lbs.)
		A	B	C	D	E	F	G	H		
	CED-450D	3-1/4	26	31-3/4	42-1/2	58	75	2-1/2	7-1/2	8	470
	CED-450PP	3-1/4	26	31-3/4	42-1/2	58	75	2-1/2	7-1/2	8	520
	CED-620D	3-1/4	26	31-3/4	42-1/2	58	75	2-1/2	7-1/2	13	540
	CED-620PP	3-1/4	26	31-3/4	42-1/2	58	75	2-1/2	7-1/2	13	570
	CED-850D	3-1/4	26	31-3/4	42-1/2	94	111	2-1/2	7-1/2	17	815
	CED-850PP	3-1/4	26	31-3/4	42-1/2	94	111	2-1/2	7-1/2	17	835
	CED-1070D	3-1/4	26	31-3/4	42-1/2	94	111	2-1/2	7-1/2	19	920
	CED-1070PP	3-1/4	26	31-3/4	42-1/2	94	111	2-1/2	7-1/2	19	930
	CED-1360D	7-1/2	28-1/4	41-3/4	47-3/4	113-1/4	136	6	11-3/8	25	1460
	CED-1360PP	7-1/2	28-1/4	41-3/4	47-3/4	113-1/4	136	6	11-3/8	25	1480
	CED-1800D	7-1/2	28-1/4	41-3/4	47-3/4	151-1/4	174	6	11-3/8	33	2170
	CED-1800PP	7-1/2	28-1/4	41-3/4	47-3/4	151-1/4	174	6	11-3/8	33	2260

MODELS: CED-450, 620, 850 & 1070



MODELS: CED-1360 & 1800



KM-CED-0412A