

DCM Series

DCM CoolMaster Evaporator

Air Defrost

The DCM model unit coolers are designed for commercial and industrial walk-in coolers and industrial walk-in coolers and refrigerated warehouses. Time-tested for many years, these virtually maintenance-free unit coolers are built with Kramer reliability.

These units are suitable for maintaining room temperature of +35° and higher.



Features:



- Corrosion resistant casing, sturdy construction.
- Coils constructed of copper tubes and aluminum fins.
- Industrial evaporators with 8 FPI.
- Pitched drain pan for positive condensate drainage.
- Single phase motors have built-in overload protection.
- Dependable ratings based on laboratory tests.

Performance Data

| 8 FPI | MODEL | Capacity @ 10 T.D. (1) | | | CFM | Air Throw (4) | Motors | | Total Fan Motor Amps (5) | |
|-----------|-----------|-----------------------------|----------|----------|-------|---------------|--------|------|--------------------------|----------|
| | | Evaporator Temperature - °F | | | | | No. | H.P. | 230-3-60 | 460-3-60 |
| | | +40° (2) | +30° (3) | +25° (3) | | | | | | |
| | DCM-560D | 60900 | 56600 | 55975 | 8200 | 50 | 2 | 1/2 | 3.6 | 1.8 |
| | DCM-770D | 83900 | 77900 | 77075 | 8000 | 50 | 2 | 1/2 | 3.6 | 1.8 |
| | DCM-1060D | 115100 | 106900 | 15750 | 12400 | 100 | 2 | 3/4 | 7.0 | 3.5 |
| | DCM-1330D | 144800 | 134500 | 133050 | 14200 | 100 | 2 | 3/4 | 7.0 | 3.5 |
| | DCM-1520D | 165100 | 153400 | 151750 | 13800 | 100 | 2 | 3/4 | 7.0 | 3.5 |
| | DCM-1680D | 182700 | 169800 | 167950 | 19200 | 100 | 3 | 3/4 | 10.5 | 5.3 |
| | DCM-1960D | 213700 | 198600 | 196450 | 18500 | 100 | 3 | 3/4 | 10.5 | 5.3 |
| DCM-2240D | 243500 | 226300 | 223850 | 23900 | 100 | 4 | 3/4 | 14.0 | 7.0 | |
| DCM-2620D | 284100 | 264700 | 261500 | 23100 | 100 | 4 | 3/4 | 14.0 | 7.0 | |

1. Ratings based on R-22. 2. Non-frosting conditions. 3. Frosting conditions. 4. Unrestricted airflow.
5. Single phase motors are available, contact factory.

Dimensional Data

| 8 FPI | MODEL | Dimensions (in) | | | | | | | | Refrig. Charge (lbs) | Approx. Ship Weight (lbs) |
|-------|-----------|-----------------|--------|--------|--------|---------|-----|-------|--------|----------------------|---------------------------|
| | | A | B | C | D | E | F | G | H | | |
| | DCM-560D | 3-1/4 | 26 | 31-3/4 | 42-1/2 | 58 | 75 | 2-1/2 | 7-1/2 | 8 | 535 |
| | DCM-770D | 3-1/4 | 26 | 31-3/4 | 42-1/2 | 58 | 75 | 2-1/2 | 7-1/2 | 13 | 640 |
| | DCM-1060D | 3-7/8 | 26 | 32-3/8 | 42-1/2 | 94 | 111 | 2-1/2 | 7-1/2 | 16 | 950 |
| | DCM-1330D | 3-7/8 | 26 | 32-3/8 | 42-1/2 | 94 | 111 | 2-1/2 | 7-1/2 | 19 | 1055 |
| | DCM-1520D | 5-3/4 | 28 | 36-1/8 | 42-1/2 | 94 | 111 | 2-3/8 | 7-1/2 | 25 | 1225 |
| | DCM-1680D | 7-1/2 | 28-1/4 | 41-3/4 | 47-3/4 | 113-1/4 | 136 | 6 | 11-3/8 | 25 | 1580 |
| | DCM-1960D | 7-1/2 | 28-1/4 | 41-3/4 | 47-3/4 | 113-1/4 | 136 | 6 | 11-3/8 | 33 | 1800 |
| | DCM-2240D | 7-1/2 | 28-1/4 | 41-3/4 | 47-3/4 | 151-1/4 | 174 | 6 | 11-3/8 | 33 | 2650 |
| | DCM-2620D | 7-1/2 | 28-1/4 | 41-3/4 | 47-3/4 | 151-1/4 | 174 | 6 | 11-3/8 | 43 | 2800 |

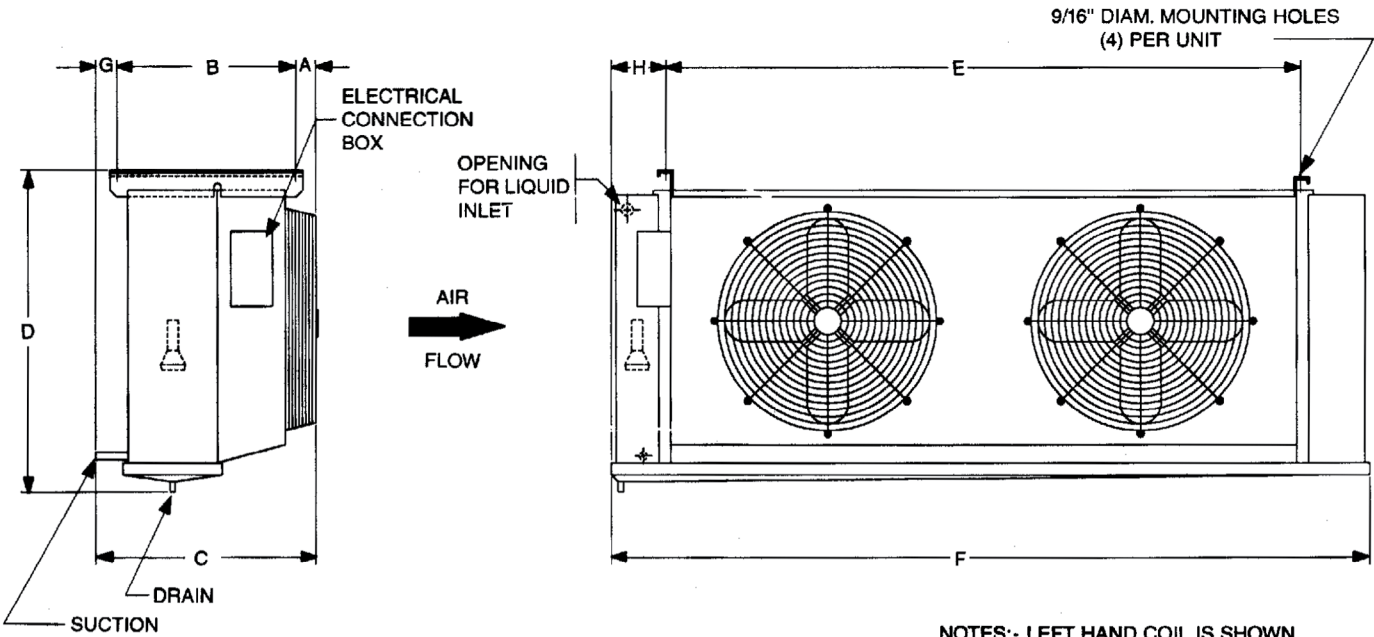
Connection Data

| 8 FPI | MODEL | Connections (in) (6) | | | |
|-------|-----------|----------------------|-------------|-----------------|-----------|
| | | Suction O.D. | Liquid O.D. | Ext. Equal O.D. | Drain MPT |
| | DCM-560D | 1-3/8 | 7/8 | 1/4 | 3/4 |
| | DCM-770D | 1-5/8 | 1-1/8 | 1/4 | 3/4 |
| | DCM-1060D | 1-5/8 | 1-1/8 | 1/4 | 3/4 |
| | DCM-1330D | 2-1/8 | 1-1/8 | 1/4 | 3/4 |
| | DCM-1520D | 2-1/8 | 1-1/8 | 1/4 | 3/4 |
| | DCM-1680D | 2-1/8 | 1-3/8 | 1/4 | 1 |
| | DCM-1960D | 2-1/8 | 1-3/8 | 1/4 | 1 |
| | DCM-2240D | 2-1/8 | 1-3/8 | 1/4 | 1 |
| | DCM-2620D | (2) 2-1/8 | (2) 1-1/8 | (2) 1/4 | 1 |

For your convenience the diagram originally here is enlarged, and is now a separate page that can be found just after this page in the Adobe document.

KM-DCM-1211A

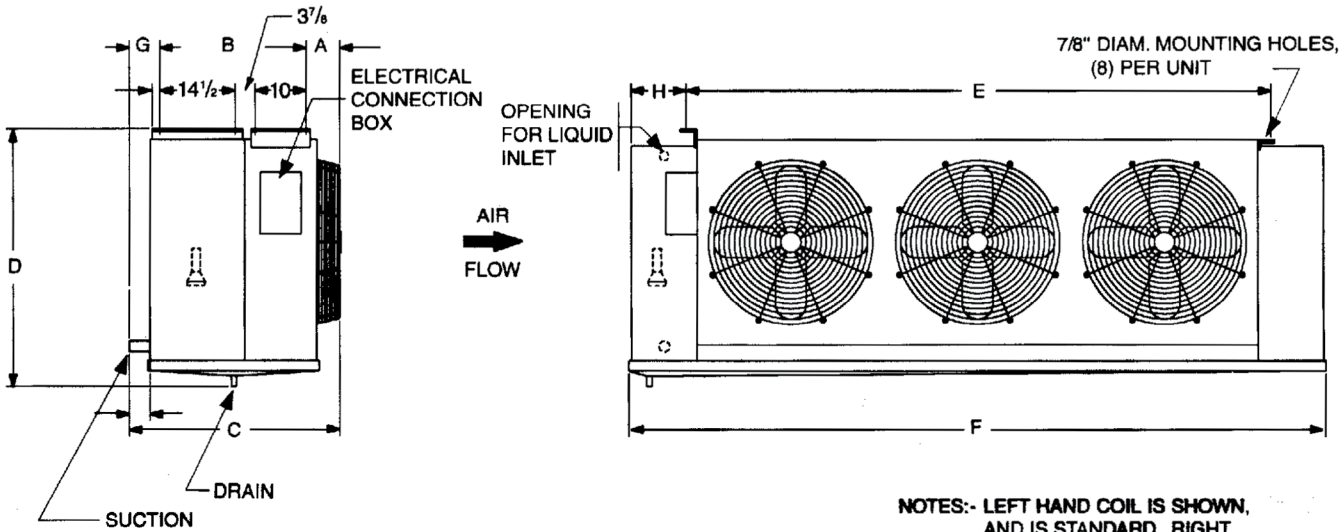
MODELS: CCM-560, 770, 1060, 1330 & 1520



6. Connection sizes are based on R-22, and may vary from catalog ratings when actual site operating conditions are provided at time of order.

NOTES:- LEFT HAND COIL IS SHOWN, AND IS STANDARD. RIGHT HAND COIL MUST BE SPECIFIED WHEN ORDERING.
- ALL DIMENSIONS ARE IN INCHES.

MODELS: DCM-1680,1960, 2240 & 2620



Specifications and dimensions are subject to change without notice.

NOTES:- LEFT HAND COIL IS SHOWN, AND IS STANDARD. RIGHT HAND COIL MUST BE SPECIFIED WHEN ORDERING.
- ALL DIMENSIONS ARE IN INCHES.
- MODEL DCM-2620 HAS 2 SUCTION AND 2 LIQUID CONNECTIONS.