

REFRIGERATED COMPRESSED AIR DRYERS

Models 8025 thru 80125

**INSTRUCTION MANUAL**

25 scfm .....	8025	55 scfm .....	8055
35 scfm .....	8035	70 scfm .....	8070
45 scfm .....	8045	100 scfm .....	80100
		125 scfm .....	80125

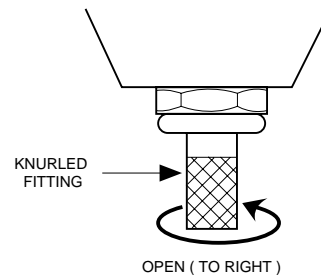
**General Safety Information**

**CAUTION**

1. Pressurized devices -  
This equipment is a pressure containing device.
  - Do not exceed maximum operating pressure as shown on equipment serial number tag.
  - Make sure equipment is depressurized before working on or disassembling it for servicing.
2. Electrical -  
This equipment requires electricity to operate.
  - Install equipment in compliance with national and local electrical codes.
3. Breathing air -
  - Standard equipment is supplied with NEMA 1 electrical enclosures and is not intended for installation in hazardous environments.
  - Disconnect power supply to equipment when performing any electrical service work.
  - Air treated by this equipment may not be suitable for breathing without further purification. Refer to OSHA standard 1910.134 for the requirements for breathing quality air.

**MAINTENANCE INSTRUCTIONS**

1. Condenser coil - Monthly, clean off accumulated dust and dirt.
2. Moisture Separator - Separator contains an afterfilter with replaceable filter sleeve and automatic condensate drain:
  - a. Replace filter sleeve when pressure drop across dryer is excessive.
  - b. Check daily to ensure condensate drain is discharging.
  - c. Blow down condensate drain weekly by turning knurled fitting to your right to open.
5. The moisture separator is furnished with an internal automatic drain as standard. This drain will automatically discharge any condensed water and/or oil collected in the separator. At the bottom of the separator is a knurled fitting with flexible drain tubing attached to transfer the condensate away from the unit. Be sure the knurled fitting is tightened by turning it to your left (counterclockwise) before operating dryer.



**INSTALLATION**

1. Care should be taken in placement of compressor intake so as to avoid introduction of contaminants into the air system that are harmful to dryer wetted material (e.g., ammonia). Optional dryer heat exchanger materials of construction are available.
2. Install the air dryer in an area that will allow the air to pass freely through the refrigeration section. Do not place obstructions near either side of the cabinet.
3. Mounting
  - 1.) Wall mounting (25 and 35 scfm units)  
Although wall mounting is not normally recommended, keyhole slots are provided in back of the cabinet and maybe used to wall mount the unit.
  - 2.) Floor or shelf mounting (25 thru 125 scfm units)  
These units are supplied with feet. Feet may be removed if floor or shelf mounting is desirable.
4. Connect compressed air lines to "Air Inlet" and "Air Outlet" located and identified on the side of the cabinet. Piping arrangements should include inlet and outlet valves and also a suitable air by-pass valve to facilitate maintenance without shutting off air supply.
6. Check serial number tag on unit for voltage requirement. On 115 volt units, a six (6) foot power cord with plug is standard. Wiring is 3-wire ground. 230 volt units may be "hard-wired" by going directly through the knock outs into the electrical box. Refrigeration compressor and fan motor have built-in overload protection with automatic reset. See Electrical Data for recommended electrical circuit protection.  
**NOTE:** Refrigeration condensing unit is designed to run continuously and should NOT be wired to cycle on/off with air compressor.
7. On water-cooled units, hook up to water supply line. A strainer and water regulating valve are supplied with water-cooled units.

## OPERATION

1. Start the refrigeration system by pushing the on/off switch to the "ON" position ("I" button depressed).
2. Operational Checkpoints  
After dryer has been running check the following:
  - a. Condensate is being discharged to drain. Under normal conditions, removal of moisture from the compressed air begins immediately. After several hours of operation, some sign of condensate discharge should be visible.
  - b. The green power-on light is illuminated. The green light will be ON when the dryer is energized (has electrical power).
  - c. The red high temperature warning light is out. The red light is a high outlet air temperature warning light and is activated by a thermostat switch. When the red light is ON the temperature of the air leaving the cooling coil is higher than normal. The red light will come ON when the dryer is energized. When the air is cooled down satisfactorily, the red light will go OFF, usually in less than 15 minutes. If the red light fails to go OFF in 30 minutes, or if it comes back ON after being OFF for several hours of normal continuous operation, one of the following conditions could be the cause:

1. The unit is overloaded i.e., it is operating at a flow rate and/or inlet temperature greater than the rated capacity. If line pressure is higher than 100 psig, slightly higher inlet temperatures and/or flow rates can be tolerated. Check all operating conditions for correctness to specifications.
2. The refrigeration section of the unit may have lost refrigerant, or the refrigeration compressor has cut out.
3. The unit is functioning normally, but the thermostat switch is malfunctioning or has lost contact with the copper tubes.

If you think the problem is either (2) or (3), contact the service department.

- d. The refrigerant suction pressure gauge is giving a consistently steady reading. Gauge should read in green area under normal operating conditions.

**NOTE:** High Altitude Adjustment:

The hot gas by-pass valve is normally adjusted to maintain the design evaporator pressure in altitudes up to 4500 feet. Installation in altitudes above this require an adjustment to the valve. If the factory was notified of a high altitude condition at the time the order was placed, the valve has been adjusted and a tag indicating this has been affixed to the dryer. If valve has not been adjusted for altitudes above 4500 feet and dryer is to be installed in higher altitude, contact the service department for adjustment instructions.

4. A hot gas by-pass valve installed in the refrigeration system controls the pressure on the suction side maintaining a constant temperature in the evaporator section from no load to full load conditions. This allows the refrigeration system to run continuously. On 70 thru 125 scfm units this valve may tend to chatter as it modulates. The chattering noise is normal and does not affect the operation of the unit.

**IMPORTANT:** See moisture separator maintenance instructions.

## MAINTENANCE

1. Do NOT tamper with refrigeration section. Settings made at factory are for normal conditions.
2. On air-cooled units, refrigeration condenser should be kept clean and clear of dirt, to allow free passage of air. In particularly dirty areas, a furnace type filter installed in front of the refrigeration condenser is recommended.
3. On water-cooled units, provision should be made for the free flow of cooling water at all times. Particular attention should be paid to regular maintenance on strainers in the water line.
4. Moisture separator maintenance
  - a. The separator assembly contains an after-filter with replaceable filter sleeve, which may periodically require replacement. Need for replacement is determined by excessive pressure drop across the air dryer.
  - b. The separator assembly contains an automatic condensate drain. Periodically, blow down drain manually by turning knurled fitting clockwise (to your right) to open. **NOTE:** To access separator for maintenance loosen the two screws in the keyhole slots at the bottom of the screen. Lift up, then pull out and down to remove screen.

A. To manually "blow down" the separator:

**Step 1:** Remove metal clamp and tubing from knurled drain fitting.

**Step 2:** Turn knurled fitting to your right (clockwise) to open (blow down), then to your left (counter clockwise) to close.

**Step 3:** Reassemble.

B. To replace automatic drain mechanism:

**Step 1:** Isolate dryer from air system.

**Step 2:** Depressurize dryer by manually blowing down separator. (See Steps 1 and 2 in 4A above)

**Step 3:** 125 scfm unit only - remove four screws from access panel and remove access panel

**Step 4:** Unscrew the metal collar holding the separator bowl to the head.

**Step 5:** A. 25 thru 100 scfm units - remove bowl and collar from cabinet.

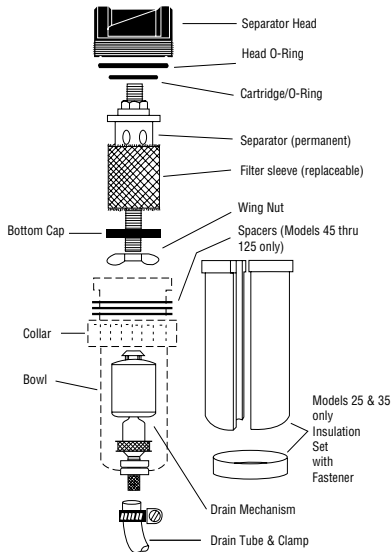
B. 125 scfm units - lower bowl and collar as far as possible. Unscrew separator/filter cartridge and lower into bowl. Remove bowl, collar and cartridge from cabinet.

**Step 6:** Remove old drain mechanism by turning the knurled fitting to your right (clockwise) until it is loose. Remove through top of bowl.

**Step 7:** Install new drain mechanism. A wire of suitable gauge or pencil may be inserted into the bottom of the bowl to guide the new mechanism into place.

**Step 8:** Reassemble.

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C. To replace the filter sleeve:

- Step 1:** Follow steps 1 through 5 in 4B above.
- Step 2:** Remove wing nut and bottom cap.
- Step 3:** Slide replacement filter sleeve down over separator core.
- Step 4:** If necessary, unscrew separator core from filter head and clean the soap and water.
- Step 5:** Reassemble separator core to head. (Check to make sure new O-ring is in place in groove in top-cap of separator core.)
- Step 6:** Slide new filter sleeve over separator core.
- Step 7:** Replace bottom cap and wing nut.
- Step 8:** Reassemble separator bowl to separator assembly head. Make sure that head O-ring in separator head is in place.

**DETERMINING DRYER CAPACITY**

1. Capacity at Rated Conditions  
 Rated flow capacities are established in accordance with Compressed Air and Gas Institute Standard ADF 100 for rating and testing compressed air dryers. These standards state that the rated dryer capacity be established at 100°F and 100 psig inlet compressed air conditions with 100°F ambient air or 85°F cooling water supplied to the refrigeration condenser.
2. Capacity at Other than Rated Conditions  
 When operating at conditions other than rated, adjustments to the rated flow capacity must be made. Conditions which affect the amount of flow that can be handled by a dryer are:
  1. Dew Point - Dew Point is the temperature at which the air can no longer hold all the water vapor present and some of the vapor is condensed into a liquid. As long as the temperature of the compressed air, as it flows downstream, is kept safely above the dew point temperature, no troublesome liquid will form in the air lines. If dew points higher than 38°F (up to 50°F) are satisfactory, additional flow capacity can be put through the dryer.
  2. Compressed air conditions at inlet to dryer  
 The temperature and pressure of the inlet air determine how much work has to be done to wring out moisture (lower the dew point).
    - Compressed Air Temperature - As the temperature of the compressed air at the inlet to the dryer decreases, the capacity of the dryer increases. It is a good practice to install the dryer where the compressed air has been adequately cooled by an aftercooler or while in the receiver tank.

- Compressed Air Pressure - As operating pressure increases so does the capacity of the dryer.
- 3. Refrigeration system - In air cooled units ambient air carries heat away from the refrigeration condenser. Lower ambient air temperatures result in greater refrigeration capacity allowing the dryer to handle a greater flow capacity.

3. Determining Dryer Capacity at Actual Operating Conditions  
 To determine the maximum inlet flow capacity of a dryer at various operating conditions, multiply the rated capacity from Table 1 by the multipliers shown in Table 2. Example: How many scfm can an air-cooled 125 handle when compressed air to be dried is at 80 psig and 90°F; ambient air temperature is 80°F; and a 38°F dew point temperature is desired? Answer: 125 X 1.17 X 1.12 X 1.0 = 163.8 scfm.

**TABLE 1**  
 Rated capacity and pressure drop @ 100 psig inlet pressure, 100°F inlet temperature, and 100°F ambient temperature

MODEL	25	35	45	55	70	100	125
Rated capacity of air-cooled models (scfm)	25	35	45	55	70	100	125
Pressure drop at rated capacity (psi)	2.0	4.5	2.0	2.0	2.5	4.0	3.5

**TABLE 2**  
 Air capacity correction factors (multipliers)

INLET PRESSURES (psig)	INLET COMPRESSED AIR CONDITIONS				
	INLET TEMPERATURES (°F)				
	80°	90°	100°	110°	120°
50	1.35	1.05	0.84	0.69	0.56
80	1.50	1.17	0.95	0.79	0.66
100	1.55	1.23	1.00	0.82	0.70
125	1.63	1.31	1.07	0.91	0.74
150	1.70	1.37	1.13	0.95	0.80
175	1.75	1.42	1.18	0.99	0.84
200	1.80	1.47	1.22	1.03	0.89

COOLING MEDIUM	
AMBIENT TEMPERATURE (°F)	MULTIPLIER
80	1.12
90	1.06
100	1.00
110	0.94

OUTLET DEWPOINT	
DEW POINT TEMPERATURE (°F)	MULTIPLIER
38	1.0
40	1.1
45	1.2
50	1.3

**PRESSURE DROP**

To determine pressure drop at increased flows, multiply the pressure drop at rated conditions from Table 1 by the multiplier shown in Table 3 for the appropriate air flow rate and operating pressure. **Example:** What is the pressure drop across a model 125 when flowing 150 scfm at 100 psig? **Answer:** 150/125 = 1.2; multiplier from table at 1.2 x rated flow and 100 psig = 1.4; 1.4 x 3.5 psi = 4.9 psi.

**TABLE 3**  
 Pressure drop correction factors (Multipliers)

AIR FLOW	OPERATING PRESSURE (PSIG)			
	60	100	180	200
2.0 x rated flow	5.4	3.5	2.1	1.9
1.5 x rated flow	3.2	2.1	1.2	1.1
1.2 x rated flow	2.1	1.4	0.8	0.7

**FOR 25 AND 35 SCFM UNITS**

Minimum - Maximum Operating Conditions	25 scfm	35 scfm
1) Min.- Max. Inlet Air Pressure ( compressed air at inlet to dryer )	Refer to Serial Number Tag	
2) Max. Inlet Air Temp. (compressed air at inlet to dryer)	120°F (49°C)	
3) Min.-Max. Ambient Temperature	35°F (1.7°C) - 110°F (43°C)	
<b>Refrigeration System Data</b>		
Condensing Unit Mfg.	Tecumseh	
Compressor Type	Hermetic - Resistance Start, Induction Run - Non-Cycling	
Refrigeration Compressor Horsepower	1/4	1/4
BTU/HR - Refrigeration Only @ 35°F Evaporator & 100°F Ambient	2160	2160
Outlet Air Temperature (nominal at rated conditions)	40°F (4.4°C)	70°F (21°C)
Refrigerant Type	R-134a	R-134a
Refrigerant Charge	See dryer serial number tag	
Suction Pressure Setting (controlled by hot gas by-pass valve)	31.5 psig	31.5 psig
Condenser Fan Switch Setting (in-out)(psig)	180-130	180-130
Air Flow Across Condenser (cfm)	275	275

**ELECTRICAL**

**A) Installation**

Electrical cord set, AWG 18/3 with plug is standard for 115V models, Internal pigtails and 1/2" knockouts are supplied with 230V models.

**B) Remote Alarm**

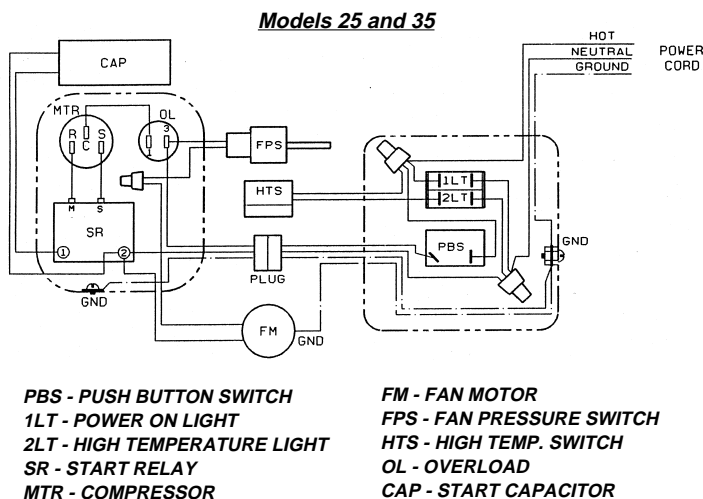
Remote alarm can be wired at dryer installation site.

Connect alarm in parallel to high temperature light terminals in electrical box.

Amperage rating of alarm circuit:

	@ 115 VAC	@ 230 VAC
Resistive load amps	10.0	5.0
Inductive full load amps	5.8	2.9
Inductive locked rotor amps	34.8	17.9

**C) Electrical Drawings**



D) ELECTRICAL DATA	25 scfm	35 scfm
<b>1) 115-1-60</b>		
Max.- Min. voltage	127-104	127-104
Total Full Load Amps**	6.2	6.2
Compressor Full Load Amps	5.9	5.9
Compressor Locked Rotor Amps	28	28
Unit Protection Fuse Size (amps)*	8	8
Branch Circuit Fuse Size (amps)	15	15
Watts @ 35°F Evaporator & 100°F Ambient	465	465
Overload	Thermal & Current (Auto reset)	
<b>2) 230-1-60</b>		
Max.-Min. Voltage	253-207	253-207
Total Full Load Amps**	3	3
Compressor Full Load Amps	2.8	2.8
Compressor Locked Rotor Amps	14.4	14.4
Unit Protection Fuse Size (amps)*	4	4
Branch Circuit Fuse Size (amps)	15	15
Watts @ 35°F Evaporator & 100°F Ambient	465	465
Overload	Thermal & Current (Auto reset)	

\* Amp rating is for dual element fuse

\*\* Air-cooled models

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**FOR 45 THRU 125 SCFM UNITS**

Minimum - Maximum Operating Conditions	45 scfm	55 scfm	70 scfm	100 scfm	125 scfm
1) Min. - Max. Inlet Air Pressure ( compressed air at inlet to dryer )	Refer to Serial Number Tag				
a) Standard	20 psig (1.4 bar) - 175 psig (12 bar)				
b) Optional	20 psig (1.4 bar) - 300 psig (21 bar)				
2) Max. Inlet Air Temperature (compressed air at inlet to dryer)	120°F (49°C)				
3) Min. - Max. Ambient Temperature					
a) Air-cooled	35°F ( 1.7°C) - 110°F (43° C)				
b) Water-cooled	35°F (1.7°C) - 110°F (43°C)				
<b>Refrigeration System Data</b>					
Condensing Unit Mfg.	Tecumseh	Tecumseh	Copeland	Copeland	Copeland
Compressor Type	Hermetic - Capacitor Start, Induction Run - Non-Cycling				
Refrigerant Compressor Horsepower	1/2	1/2	3/4	3/4	3/4
BTU/HR - Refrigeration Only @ 35°F Evaporator & 100°F Ambient	4430	4430	6020	6020	6020
Outlet Air Temp. (nominal at rated conditions)	40°F (4.4°C)	70°F (21°C)	40°F (4.4°C)	70°F (21°C)	70°F (21°C)
Refrigerant Type	R-134a	R-134a	R-134a	R-134a	R-134a
Refrigerant Charge	See dryer serial number tag				
Suction Pressure Setting (controlled by hot gas by-pass valve)	31.5 psig / 2.2 bar				
Condenser Fan Switch Setting (air-cooled models only) (in-out)	180 psig - 130 psig				
Air Flow Across Condenser (air-cooled models only) (cfm)	350	350	530	530	530
Condenser Cooling Water Requirements (water-cooled models only) (40 psig min. pressure)	0.61 gpm @ 85° F	0.61 gpm @ 85°F	1.11 gpm @ 85°F	1.11 gpm @ 85°F	1.11 gpm @ 85°F

**ELECTRICAL**

**A) Installation**

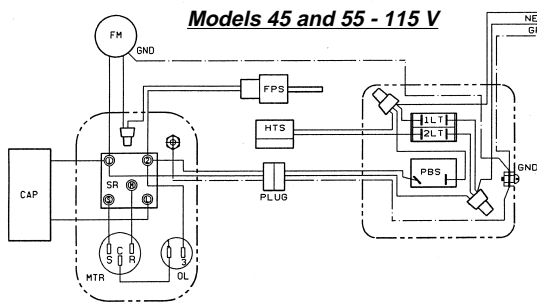
Electrical cord set, 45 & 55 scfm use AWG 18/3 with plug and 70 through 125 use AWG 12/3 with plug standardly for 115V models.  
Internal pigtails and 1/2" knockouts are supplied with 230V models.

**B) Remote Alarm**

Remote alarm can be wired at dryer installation site.  
Connect alarm in parallel to high temperature light terminals in electrical box.  
Amperage rating of alarm circuit:

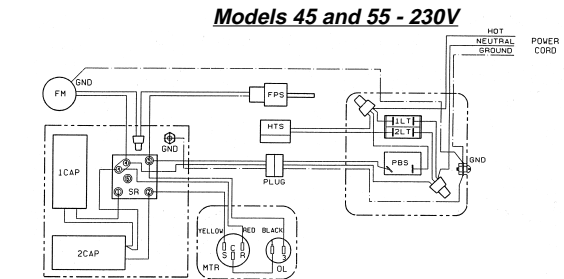
	@ 115 VAC	@ 230 VAC
Resistive load amps	10.0	5.0
Inductive full load amps	5.8	2.9
Inductive locked rotor amps	34.8	17.9

**C) Electrical Drawings**

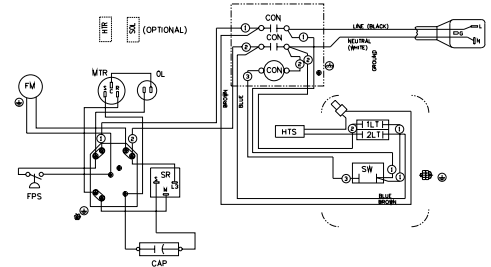


**LEGEND**

PBS - PUSH BUTTON SWITCH  
1LT - POWER ON LIGHT  
2LT - HIGH TEMP. LIGHT  
SR - START RELAY  
MTR - COMPRESSOR



**Models 70, 100, and 125**



FM - FAN MOTOR  
FPS - FAN PRESSURE SWITCH  
HTS - HIGH TEMP. SWITCH  
OL - OVERLOAD  
1 CAP - START CAPACITOR

2 CAP - RUN CAPACITOR  
SW - ON/OFF SWITCH  
CON - CONTACTOR W/115V COIL  
SOL - ELECTRIC DRAIN (OPTIONAL)  
HTR - LOW AMBIENT PKG. (OPTIONAL)

D) ELECTRICAL DATA	45 scfm	55 scfm	70 scfm	100 scfm	125 scfm
<b>1) 115-1-60</b>					
Max. - Min. voltage	127-104	127-104	127-104	127-104	127-104
Total Full Load Amps*	10	10	14.7	14.7	14.7
Compressor Full Load Amps	9.5	9.5	13.3	13.3	13.3
Compressor Locked Rotor Amps	48	48	66.3	66.3	66.3
Unit Protection Fuse Size (amps)**	12	12	20	20	20
Branch Circuit Fuse Size (amps)	20	20	25	25	25
Watts @ 35°F Evaporator & 100°F Ambient	815	815	1060	1060	1060
Overload	Thermal & Current (Auto Reset)				
<b>2) 230/208 - 1 - 60</b>					
Max. - Min. Voltage	253-187	253-187	253-197	253-197	253-197
Total Full Load Amps*	5.1	5.1	8.3	8.3	8.3
Compressor Full Load Amps	4.8	4.8	7.6	7.6	7.6
Compressor Locked Rotor Amps	23	23	33.5	33.5	33.5
Unit Protection Fuse Size (amps)**	7	7	10	10	10
Branch Circuit Fuse Size (amps)	15	15	15	15	15
Watts @ 35°F Evaporator & 100°F Ambient	815	815	1060	1060	1060
Overload	Thermal & Current (Auto Reset)				

\* Air-cooled models

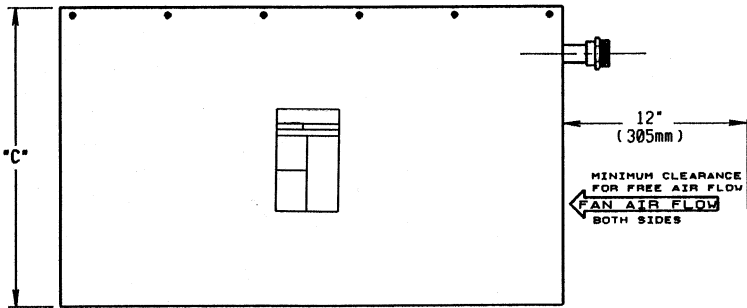
\*\* Amp rating is for dual element fuse

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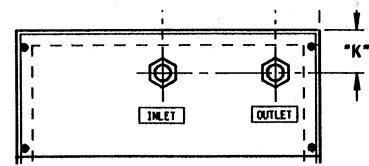
# DIMENSIONS AND WEIGHTS

DIMENSIONS IN INCHES (mm)

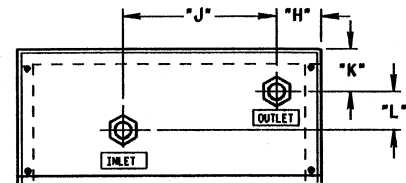
MODEL	A	B	C	D	E	F	G	H	I	J	K	L	M	N	P	Q	R	S	SHIPPING WEIGHT	
																			LB	(kg)
25 scfm	17 (432)	22 1/4 (565)	16 (406)	19 1/2 (495)	11 1/4 (286)	1 3/8 (35)	1 3/8 (35)	3 1/2 (89)	3 3/8 (86)	9 (229)	3 7/16 (87)	-	7 5/16 (186)	16 (406)	3 1/8 (79)	6 (152)	1/4	1/2 NPT	101	(45.8)
35 scfm	17 (432)	22 1/4 (565)	16 (406)	19 1/2 (495)	11 1/4 (286)	1 3/8 (35)	1 3/8 (35)	2 (51)	3 3/8 (86)	-	1 (25)	2 (51)	7 5/16 (186)	16 (406)	3 1/8 (79)	6 (152)	1/4	1/2 NPT	104	(47.2)
45 scfm	23 3/16 (589)	32 1/4 (819)	19 1/2 (495)	29 (737)	15 1/2 (394)	1 5/8 (41)	1 1/2 (38)	3 5/8 (92)	2 1/2 (64)	12 1/4 (311)	2 1/16 (52)	3 3/16 (81)	9 1/16 (230)	-	-	-	1/2	1 NPT	186	(84.5)
55 scfm	23 3/16 (589)	32 1/4 (819)	19 1/2 (495)	29 (737)	15 1/2 (394)	1 5/8 (41)	1 1/2 (38)	3 1/16 (78)	2 1/2 (64)	-	2 9/16 (65)	3 7/8 (98)	9 1/16 (230)	-	-	-	1/2	1 NPT	206	(93.6)
70 scfm	23 3/16 (589)	32 1/4 (819)	19 1/2 (495)	29 (737)	15 1/2 (394)	1 5/8 (41)	1 1/2 (38)	3 5/8 (92)	2 1/2 (64)	12 1/4 (311)	2 1/16 (52)	3 3/16 (81)	9 1/16 (230)	-	-	-	3/4	1 NPT	208	(94.5)
100 scfm	23 3/16 (589)	32 1/4 (819)	19 1/2 (495)	29 (737)	15 1/2 (394)	1 5/8 (41)	1 1/2 (38)	3 1/16 (78)	2 1/2 (64)	-	2 9/16 (65)	3 7/8 (98)	9 1/16 (230)	-	-	-	3/4	1 NPT	228	(103.6)
125 scfm	23 3/16 (589)	32 1/4 (819)	19 1/2 (495)	29 (737)	15 1/2 (394)	1 5/8 (41)	1 1/2 (38)	2 1/4 (57)	2 1/2 (64)	-	2 1/2 (64)	3 7/8 (98)	9 1/16 (230)	-	-	-	3/4	1 1/2 NPT	235	(106.8)



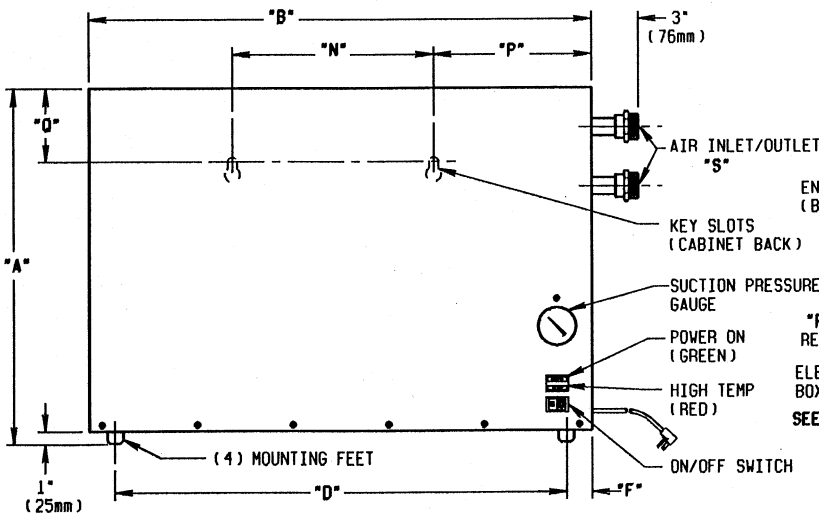
TOP VIEW



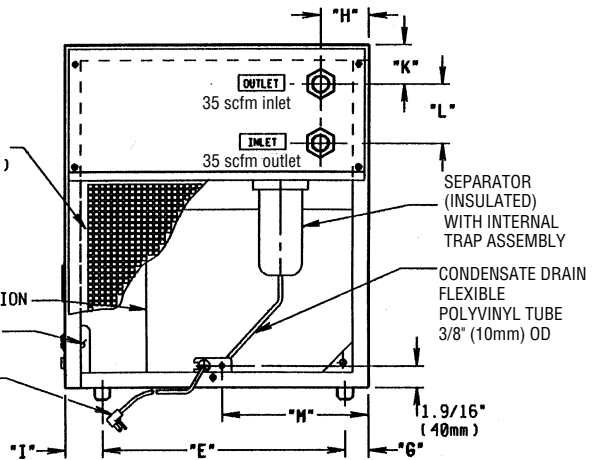
25 scfm unit



45/70 scfm unit



FRONT VIEW



RIGHT SIDE VIEW

35/55/100/125 scfm unit

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## REPLACEMENT PART NUMBERS

### REFRIGERATION CONDENSING UNITS 1/4, 1/2 and 3/4

**IMPORTANT:** When ordering replacement parts, specify your dryer model, serial number, and part number listed below.

PART DESCRIPTION	25 and 35 scfm 1/4 H.P.		45 and 55 scfm 1/2 H.P.		70 , 100, 125 scfm 3/4 H.P.	
	115/1/60	230/1/60	115/1/60	208-230/1/60	115/1/60	208-230/1/60
Condensing Unit a/c	4130.122.10	4130.122.11	4130.123.12	4130.123.13	4130.134.31	4130.134.32
By-Pass Line	03.1407-01	03.1407-02	03.1408-01	03.1408-02	03.1409-01	03.1409-02
Compressor Only	4130.108.41	4130.108.42	4130.108.47	4130.108.48	4130.108.50	4130.108.51
Overload	5925.578.4	5925.578.5	5925.578.10	5925.578.11	5925.578.13	5925.578.14
Starting Relay	5945.683.4	5945.683.5	5945.683.10	5945.683.11	5945.683.13	5945.683.14
Start Capacitor	-	5910.103.23	5910.103.28	5910.103.29	5910.103.37	5910.103.28
Fan Motor	6105.238.29	6105.238.30	6105.238.33	6105.238.34	6105.238.35	6105.238.36
Fan Blade	4140.227.18	4140.227.18	4140.227.20	4140.227.20	4140.227.21	4140.227.21
Fan Cut-out Switch	4130.138.13	4130.138.13	4130.138.13	4130.138.13	4130.138.13	4130.138.13
Hot Gas By-pass Valve	9802-1	9802-1	9802-1	9802-1	9802-1	9802-1
Dryer Strainer, Refrigerant	4130.165.12	4130.165.12	4130.165.12	4130.165.12	4130.165.12	4130.165.12
Suction Accumulator	4130.006.5	4130.006.5	-	-	4130.006.2	4130.006.2
Air-Cooled Condenser	4130.111.19	4130.111.19	4130.111.21	4130.111.21	4130.111.22	4130.111.22
High Temp. Light Sensor	5930.189.1	5930.189.1	5930.189.1	5930.189.1	5930.189.1	5930.189.1
Light Assembly, Dual	6350.454.8	6350.454.9	6350.454.8	6350.454.9	6350.454.8	6350.454.9
Cabinet	03.0952-01	03.0952-01	03.0953-01	03.0953-01	03.0953-01	03.0953-01
Suction Pressure Gauge	6685.287.10	6685.287.10	6685.287.10	6685.287.10	6685.287.10	6685.287.10
On/Off Switch	6110.706.4	6110.706.4	6110.706.4	6110.706.4	6110.706.4	6110.706.4
<b>Complete Separator/Filter/ Drain Assembly</b>						
Metal bowl 175 psig, MWP	(1)	(1)	(1)	(1)	(1)	(1)
Metal bowl 300 psig, MWP	(2)	(2)	(2)	(2)	(2)	(2)
<b>Separator /Filter Cartridge (includes separator core and filter sleeve)</b>						
175 psig MWP models	07.4442-01	07.4442-01	07.4443-01	07.4443-01	(3)	(3)
300 psig MWP models	07.4441-01	07.4441-01	07.4443-01	07.4443-01	(3)	(3)
<b>Separator/Filter replacement filter sleeve only</b>						
175 psig MWP models	0734-2	0734-2	0734-3	0734-3	(4)	(4)
300 psig MWP models	0734-1	0734-1	0734-3	0734-3	(4)	(4)
Sleeve seal	-	-	-	-	9330.787.1	9330.787.1
<b>Auto Drain Mechanism</b>						
175 psig MWP models	05.4170-01	05.4170-01	05.4170-01	05.4170-01	05.4170-01	05.4170-01
300 psig MWP models	4330.185.1	4330.185.1	4330.185.1	4330.185.1	4330.185.1	4330.185.1
Metal Bowl	4460.079.3	4460.079.3	34.1000-01	34.1000-01	(5)	(5)
Drain Tube Plastic	4720.604.1-1	4720.604.1-1	4720.604.1-3	4720.604.1-3	4720.604.1-3	4720.604.1-3
Cabinet Feet	9330.230.2	9330.230.2	9330.230.2	9330.230.2	9330.230.2	9330.230.2

- |                          |                       |                       |               |                      |                |                |
|--------------------------|-----------------------|-----------------------|---------------|----------------------|----------------|----------------|
| (1) 25 scfm - 03.7085-05 | 35 scfm - 03.7087-05  | 45 scfm - 03.7096-07  | 55 scfm - N/A | 70 scfm - 03.7101-05 | 100 scfm - N/A | 125 scfm - N/A |
| (2) 25 scfm - 03.7085-03 | 35 scfm - 03.7087-03  | 45 scfm - 03.7096-09  | 55 scfm - N/A | 70 scfm - 03.7101-03 | 100 scfm - N/A | 125 scfm - N/A |
| (3) 70 scfm - 07.4444-01 | 100 scfm - 07.4444-01 | 125 scfm - 07.4448-01 |               |                      |                |                |
| (4) 70 scfm - 0734-3     | 100 scfm - 0734-3     | 125 scfm - 0734-4     |               |                      |                |                |
| (5) 70 scfm - 34.1000-01 | 100 scfm - 34.1000-01 | 125 scfm - 34.1008-01 |               |                      |                |                |

For Sales or Service Call: 705-722-5747 Ext.1

## WARRANTY

The manufacturer warrants the product manufactured by it, when properly installed, operated, applied, and maintained in accordance with procedures and recommendations outlined in manufacturer's instruction manuals, to be free from defects in material and workmanship for a period of one (1) year from the date of shipment to the buyer by the manufacturer or manufacturer's authorized distributor, or eighteen months from the date of shipment from the factory, whichever occurs first, (refrigerated dryers, models 25 thru 2300 scfm inclusive, for a period of two years from the date of shipment from the factory), provided such defect is discovered and brought to the manufacturer's attention within the aforesaid warranty period.

The manufacturer will repair or replace any product or part determined to be defective by the manufacturer within the warranty period, provided such defect occurred in normal service and not as a result of misuse, abuse, neglect or accident. Normal maintenance items requiring routine replacement are not warranted. For refrigerated dryers model 25 thru 2300 scfm, the manufacturer will include parts and labor for 18 months from the date of shipment from the factory and parts only for an additional six (6) months. On all other products, the warranty covers parts and labor for the warranty period. Repair or replacement shall be made at the factory or the installation site, at the sole option of the manufacturer. Any service performed on the product by anyone other than the manufacturer must first be authorized by the manufacturer.

Unauthorized service voids the warranty and any resulting charge or subsequent claim will not be paid.

Products repaired or replaced under warranty shall be warranted for the unexpired portion of the warranty applying to the original product.

The foregoing is the exclusive remedy of any buyer of the manufacturer's product. The maximum damages liability of the manufacturer is the original purchase price of the product or part.

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**AUTHORIZATION FROM THE SERVICE DEPARTMENT IS NECESSARY BEFORE MATERIAL IS RETURNED TO THE FACTORY OR IN-WARRANTY REPAIRS ARE MADE.**

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