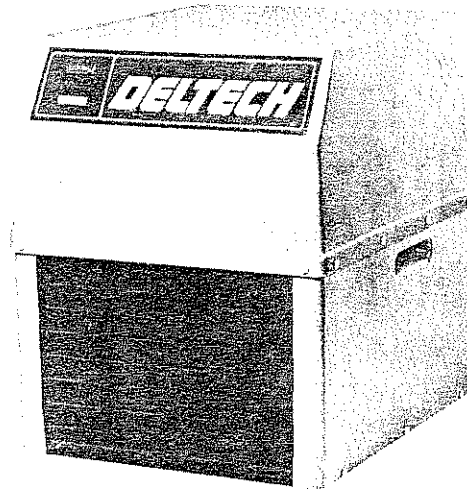


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4/89

**INSTRUCTION MANUAL AND PARTS LIST  
FOR  
DELTECH HYDROGARD® REFRIGERATED DRYERS**  
MODELS HG10, HG15, HG25, HG50, HG75, HG100,  
HG151, HG201, HG281, HG400, HG550, HG750 and HG1000



MODEL HG10

**THIS INSTRUCTION MANUAL MUST BE READ BY  
ANYONE WHO INSTALLS OR WORKS WITH THIS  
EQUIPMENT.**

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## INTRODUCTION

Deltech Hydrogard® refrigerated air dryers use mechanical refrigeration to remove moisture from compressed air, providing pressure dew points as low as NFPA Class H (33°F-39°F). They are selected to deliver the required dew point at specified inlet air temperatures, inlet air pressure and air flow. As long as there are no variations in the operating conditions specified, the dew point will remain constant. Any change in inlet air temperature, inlet air pressure or air flow may adversely affect the pressure dew point. See Table I for dryer specifications.

**TABLE I SPECIFICATIONS**

| MODEL  | RATED CAPACITY* (scfm) | MAXIMUM OPERATING PRESSURE (psig) | AIR LINE CONNECTIONS NPT (inches) |       |
|--------|------------------------|-----------------------------------|-----------------------------------|-------|
|        |                        |                                   | IN                                | OUT   |
| HG10   | 10                     | 250                               | 1/2                               | 3/8   |
| HG15   | 15                     | 250                               | 1/2                               | 3/8   |
| HG25   | 25                     | 250                               | 1/2                               | 3/8   |
| HG50   | 50                     | 220                               | 1                                 | 1     |
| HG75   | 75                     | 220                               | 1                                 | 1     |
| HG100  | 100                    | 220                               | 1                                 | 1     |
| HG151  | 150                    | 220                               | 1 1/2                             | 1 1/2 |
| HG201  | 200                    | 150                               | 2                                 | 2     |
| HG281  | 280                    | 200                               | 2                                 | 2     |
| HG400  | 400                    | 200                               | 2 1/2                             | 2 1/2 |
| HG550  | 550                    | 200                               | 2 1/2                             | 2 1/2 |
| HG750  | 750                    | 200                               | 3                                 | 3     |
| HG1000 | 1000                   | 200                               | 3                                 | 3     |

\*Rating conditions, in accordance with the Recommended Standard NFPA/T3.27.3M R1-1981 of the National Fluid Power Association for Class H (33°F-39°F) pressure dew point, are 100°F inlet temperature, 100 psig inlet pressure, 100% inlet relative humidity, 100°F ambient temperature and 5 psi maximum pressure drop; maximum pressure drop at rating conditions for Models HG10 through HG151 is 3.5 psi.

To ensure continuing good performance and safe operation of this dryer, persons concerned with its installation, operation and maintenance must become thoroughly familiar with the contents of this manual.

## SAFETY

Hydrogard refrigerated dryers are designed and built with safety as a prime consideration; industry-accepted safety factors have been used in the design. Do not operate dryers at pressures or temperatures in excess of the rated conditions shown on the nameplate. Operation at elevated pressures or temperatures may cause damage to the dryer or serious injury to personnel.

## WARNING

**DISMANTLING OR WORKING ON ANY COMPONENT OF THE COMPRESSED AIR SYSTEM UNDER PRESSURE MAY CAUSE SERIOUS INJURY. BEFORE DISMANTLING ANY PART OF THE HYDROGARD DRYER OR COMPRESSED AIR SYSTEM, VENT THE INTERNAL PRESSURE TO THE ATMOSPHERE.**

Each dryer is checked at the factory for safety and operation. All necessary adjustments are made before shipment. Do not readjust the unit without authorization from the factory. Readjustment without authorization invalidates the warranty. Improper adjustment may damage the dryer.

## INSTALLATION

### Receiving and Inspection

Immediately upon receipt of the unit, check carefully for damage that may have occurred in shipping. In the event of damage, do not operate the unit. File a claim with the carrier immediately. Consult the factory for further instructions.

Since the unit is shipped F.O.B. New Castle, Delaware, the carrier is legally responsible for any damage incurred during shipping. Such damage is not covered by the warranty. To receive compensation, file a claim with the carrier. Deltech will assist in every way possible.

### Location

Install the dryer indoors on a level pad in an area where the ambient temperature will be between 40°F and 100°F. Intermittent operation at ambient temperatures up to 130°F will not damage the dryer but may adversely affect its performance. Consult the factory if operation at ambient temperatures above 120°F is unavoidable.

Ambient temperatures below 40°F will also affect dryer performance adversely. Operation in this temperature range will reduce the capacity of the dryer and may cause liquid refrigerant to enter the compressor, resulting in compressor failure. Consult the factory if operation at ambient temperatures below 40°F is unavoidable.

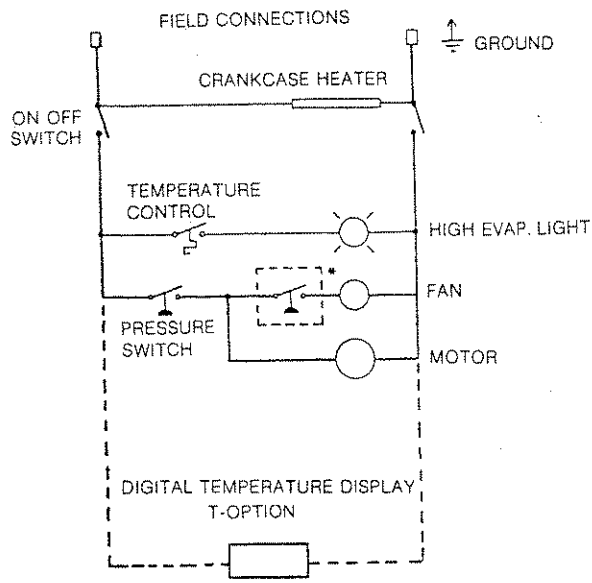
To prevent the accumulation of liquid refrigerant in the compressor when the dryer is turned off, crankcase heaters are standard on Models HG75 through HG1000. For other models, crankcase heaters must be installed locally. Consult the factory for recommendations. The crankcase heater must be wired so that it operates even when the dryer is turned off.

Hydrogard dryers are air-cooled. A clearance of at least 24 inches on all sides is required for adequate cooling air flow and routine servicing. To reduce possible fouling of the condenser coils with dirt and dust, install the dryer in a clean area. Models HG10, HG15 and HG25 can be installed off the floor for additional protection from dirt and dust.

Inlet air to the refrigerated dryer must not contain liquid water, since water will adversely affect the performance of the dryer. Install the dryer downstream of an aftercooler and separator so that the temperature of the dryer inlet air does not exceed 130°F and the inlet air does not contain any liquid water.

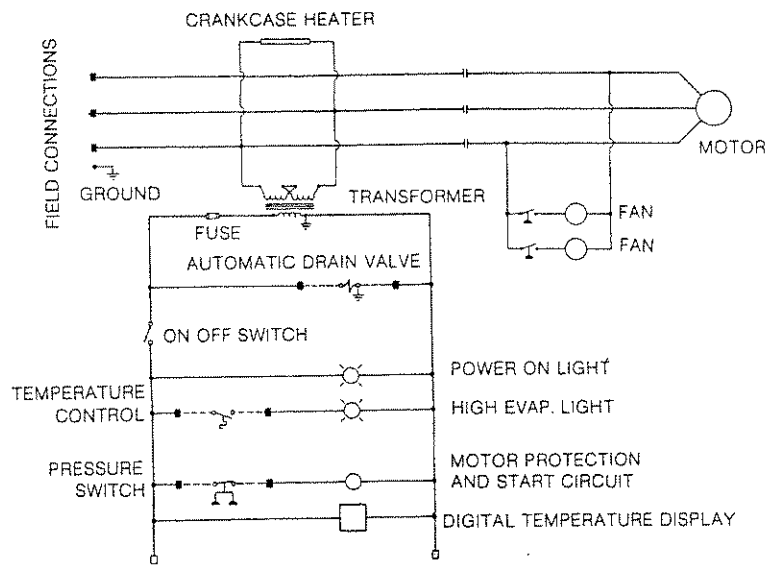
Most compressed air systems require filters for removal of solid and liquid contaminants. When a filter is used, it should be installed downstream of the refrigerated dryer; the dryer will remove some particles and entrained oil, extending the life of the filter element and reducing filter operating cost.

Inlet and outlet shutoff valves and letdown valves are recommended to vent pressure to the atmosphere. Do not bypass the dryer unless the downstream equipment and process can tolerate unprocessed air for short durations while routine maintenance is being performed.

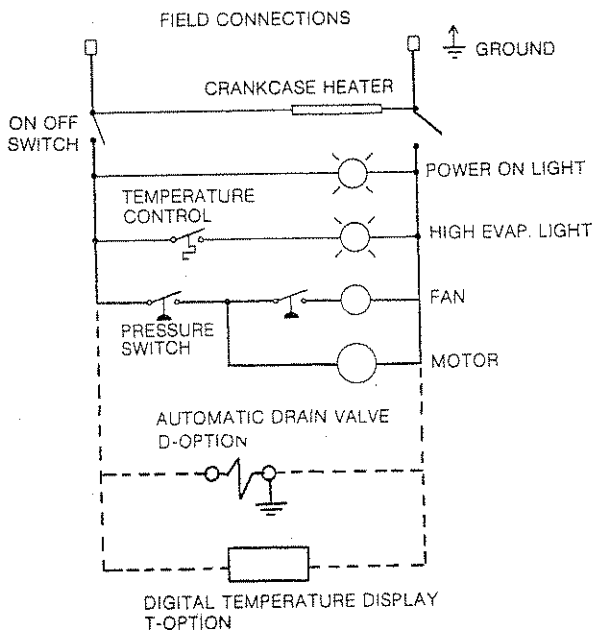


\* Fan switch not included on Model HG75.

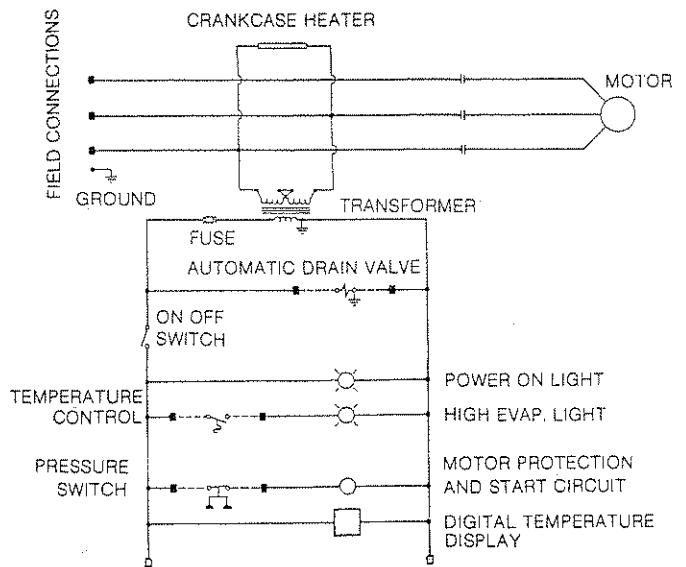
**Figure 2c. ELECTRICAL DIAGRAM**  
**Models HG75, HG100, HG151 and corresponding**  
**models with T suffix**  
**208-230/1/60**



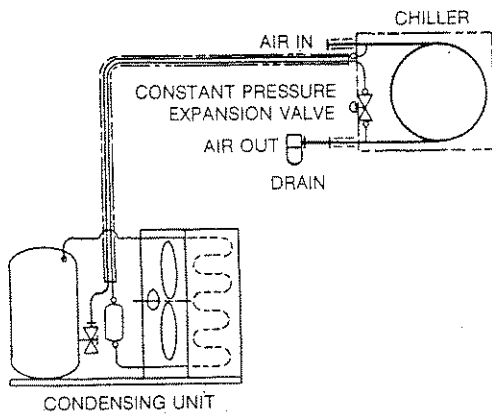
**Figure 2e. ELECTRICAL DIAGRAM**  
**Models HG400, HG550, HG750, HG1000**  
**460/3/60**



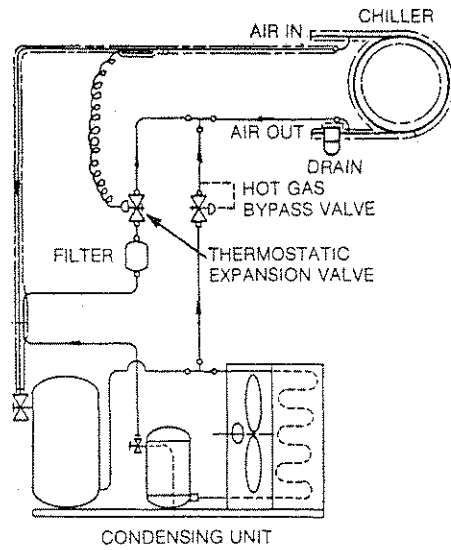
**Figure 2d. ELECTRICAL DIAGRAM**  
**Models HG201, HG281 and corresponding models**  
**with D, T and DT suffixes**  
**208-230/1/60**



**Figure 2f. ELECTRICAL DIAGRAM**  
**Models HG400-W, HG550-W, HG750-W, HG1000-W**  
**460/3/60**



**Figure 4a. REFRIGERATION DIAGRAM**  
Models HG10, HG15, HG25



**Figure 4b. REFRIGERATION DIAGRAM**  
Models HG50, HG75, HG100, HG151

**TABLE III AIR/REFRIGERANT TEMPERATURES\***

| LOCATION                 | DRYER MODELS                               | NORMAL RANGE                | COMMENTS  | REMEDY   |
|--------------------------|--|-----------------------------|---|--|
| Inlet Air (IAT)          | All  | 40°F-130°F                  | IAT will vary with temperature of aftercooler cooling medium (air or water) and compressor loading.   | For IAT higher than 130°F, reduce aftercooler discharge temperature. For IAT lower than 40° F, turn off dryer and consult factory. |
| Outlet Air (OAT)         | HG10, HG15, HG25, HG50, HG75, HG100, HG151 | Approx. 5°F higher than IAT | OAT may vary if operating temperature, pressure or flow is different from sizing conditions.  | Adjust operating conditions to meet sizing conditions.   |
|                          | HG201, HG281, HG400, HG550, HG750, HG1000  | 10°F-15°F lower than IAT    |   |  |
| Intermediate Air (IntAT) | All  | 35°F-45°F                   | Varies with operating conditions and air flow. Range shown is for full flow, standard conditions.   | Consult factory.   |
| Refrigerant Suction      | All  | 29°F-46°F                   | Variations outside normal range may be due to compressor failure, incorrect refrigerant valve adjustments, or operating temperature, pressure or flow different from sizing conditions. | Consult factory.   |
| Refrigerant Discharge    | All  | 130°F-220°F                 | Temperature higher than 200°F may be caused by dirty condenser or ambient temperature higher than 100°F.  | Clean condenser, correct ambient temperature as required, or turn off dryer and consult factory.                                   |
|                          |  |                             | Temperature lower than 140°F in models HG10 through HG100 may be caused by low ambient temperature.   | Consult factory.   |

\*These temperatures apply only to dryers operated for Class H pressure dew point. For other dew points, contact Deltech to obtain normal operating temperatures.

High ambient temperature, high inlet air temperature or high flow rate may cause the dryer to overheat and cut off a short time after start-up. If this happens, ensure adequate ventilation of the dryer and reset the high pressure cutout control. See the FIELD SERVICE TIPS section of this manual for further details.

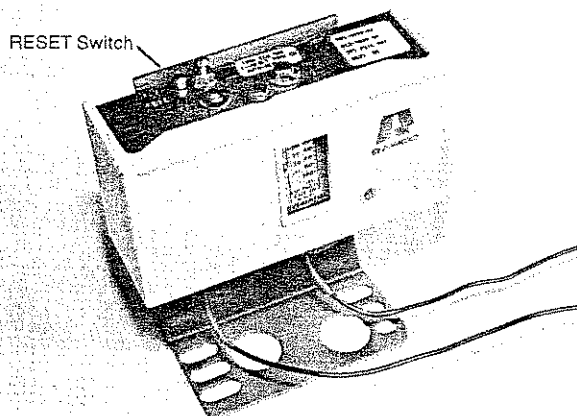


Figure 6: HIGH PRESSURE CUTOUT CONTROL

If the red HIGH EVAP light does not turn off after the dryer has been operating for approximately 30 minutes, the dryer is not functioning properly. Turn off the dryer and consult the factory for instructions.

#### Shutdown

Models HG10-HG25—unplug from electrical outlet.

Models HG50-HG1000—turn on/off switch to the off position.

#### WARNING

**WHEN SWITCH IS IN OFF POSITION, PORTIONS OF CONTROL CIRCUIT REMAIN ENERGIZED. DISCONNECT POWER TO THE DRYER BEFORE PERFORMING MAINTENANCE.**

If unit is off for more than two hours, refer to start-up instructions before restarting.

#### MAINTENANCE (refer to Figures 3a through 5b)

Hydrgard refrigerated air dryers require very little maintenance for satisfactory operation. Good performance can be expected if the following routine maintenance steps are taken.

Each procedure in this Maintenance section is identified by a letter for simple cross-reference with the Field Service Tips.

#### WARNING

**DISMANTLING OR WORKING ON ANY COMPONENT OF THE COMPRESSED AIR SYSTEM UNDER PRESSURE MAY CAUSE SERIOUS INJURY. BEFORE DISMANTLING SEPARATOR/DRAIN TRAP, FILTERS OR ANY PART OF THE DRYER OR COMPRESSED AIR SYSTEM, COMPLETELY VENT THE INTERNAL PRESSURE TO ATMOSPHERIC PRESSURE.**

#### Preventive

The routine preventive maintenance tasks below will help keep the dryer operating as designed.

#### Daily

A. Check separator for condensate discharge. If no discharge is evident, depressurize the dryer and dismantle the separator as follows:

- Disconnect the drain line from the bottom of the separator bowl
- Remove the separator bowl from the top head casting by loosening the threaded connection

Clean the separator bowl and drain trap; replace the drain trap if necessary. If the separator contains an element (located in the top head casting), clean or replace the element as necessary.

#### Monthly

B. Clean condenser coils of accumulated dust and dirt with a soft brush or with air from a compressed air nozzle that limits the discharge pressure to 30 psig.

C. Depressurize the dryer. Dismantle and clean the separator and drain trap as described under Daily Maintenance, above. (See Figure 7 for a typical separator with bowl and drain trap removed.)

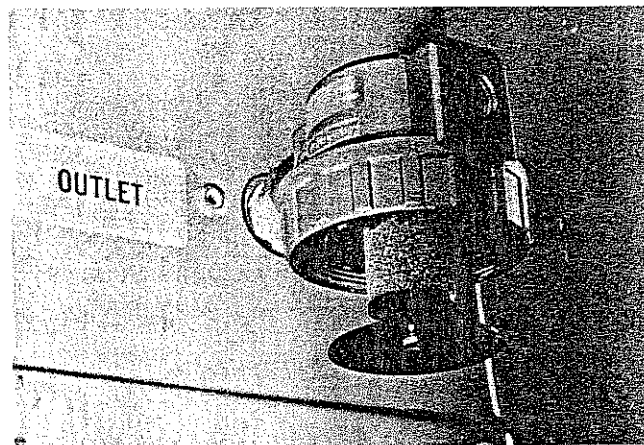


Figure 7. SEPARATOR WITH BOWL AND DRAIN TRAP REMOVED

#### Corrective

Corrective maintenance is the necessary replacement of parts or the correction of operating conditions outside the specified or recommended range. If a problem arises, check the following Field Service Tips. These tips will remedy most problems that may occur with dryer operation. If you need further assistance, call the Deltech Product Service Department at 302-328-1345. Refer to the dryer model number and serial number stamped on the nameplate.

#### Returning Material Under Warranty

If the dryer must be returned to Deltech while under warranty, call Deltech for a return authorization number. Ship the material freight prepaid to:

Product Service Department  
Deltech Engineering, Inc.  
Churchman's Road  
Century Park  
New Castle, DE 19720.

### FIELD SERVICE TIPS

| PROBLEM   | SYMPTOMS   | POSSIBLE CAUSE  | REMEDY   |
|---|--|---|--|
| Water downstream of dryer.  | Suction temperature higher than 50°F or HIGH EVAP light on.                          | 1. Improper adjustment of CPEV or HGBV.   | 1. Models HG10 through HG25, screw out CPEV one-half turn to lower suction temperature to 38-46°F. Models HG50 through HG1000, screw out HGBV one-half turn to lower suction temperature to 29-46°F. If suction temp. does not adjust as described, consult factory. |
|   |  | 2. Inlet air temperature too high.  | 2. Reduce aftercooler discharge temperature to design conditions (130°F max.).   |
|   |  | 3. Excessive air flow.  | 3. Check air flow and dryer capacity. Reduce air flow or resize and replace dryer.   |
|   | Refrigerant discharge temperature higher than 200°F (Models HG10 through HG100).     | 1. Fouled condenser.  | 1. Clean condenser (see MAINTENANCE, B).   |
|   |  | 2. Ambient temperature higher than 100°F.                                       | 2. Reduce ambient temperature.   |
| Refrigerant discharge temperature lower than 140°F (Models HG10 through HG100). | Low ambient temperature.   | Consult factory.  |  |
| High pressure drop.   | Excessive air flow.  | Dryer undersized.   | Check air flow and dryer capacity. Reduce air flow or resize and replace dryer.  |
|   | Dryer icing up.  | Refrigerant suction temperature below 32°F.                                     | 1. Adjust operating conditions to meet sizing conditions.  |
|   |  |   | 2. Models HG10 through HG25, screw in CPEV one-half turn to raise suction temperature to 38-46°F. Models HG50 through HG1000, screw in HGBV one-half turn to raise suction temperature to 29-46°F.   |
|   | Low outlet pressure.   | Blocked separator/element (Models HG10 through HG281).                          | Dismantle and clean or replace separator/filter.   |
| HIGH EVAP light on.   | 1. Dryer undersized (may also cause water downstream of dryer).                      | Check air flow and dryer capacity. Reduce air flow or resize and replace dryer. |  |
|   | 2. Intermediate air temperature too high (may also cause water downstream of dryer.) |   |  |

**GENUINE DELTECH REPLACEMENT PARTS  
PYRAMID 2000® AND HYDROGARD® COMPRESSED AIR DRYERS**

Part numbers listed below are for dryers with serial numbers in which the first three digits are 901 or higher.

| Description                   | Part No       |               |                    |               |               |                 |
|-------------------------------|---------------|---------------|--------------------|---------------|---------------|-----------------|
|                               | P201<br>HG201 | P281<br>HG281 | P400<br>HG400      | P550<br>HG550 | P750<br>HG750 | P1000<br>HG1000 |
| Expansion Valve ✓             | 7DE305CJ      | 7DE305DA      | 7DE305AL           | 7DE305AL      | 7DE305CL      | 7DE305CL        |
| Hot gas bypass valve ✓        | 31DE128B      | 31DE128B      | 24DE128H           | 24DE128H      | 24DE128H      | 24DE128H        |
| Desuperheating valve          | 7DE305DF      | 7DE305DG      | 7DE305CG           | 7DE305CE      | 7DE305CE      | 7DE305CE        |
| HIGH EVAP light               | 7DE130DM*     | 7DE130DM*     | —                  | —             | —             | —               |
| Hi suction light              | 7DE130EB*     | 7DE130EB*     | —                  | —             | —             | —               |
| Hi ΔP light                   | 7DE130DL*     | 7DE130DL*     | —                  | —             | —             | —               |
| Power ON-OFF light            | 7DE240CD*     | 7DE240CD*     | —                  | —             | —             | —               |
| Refrigerant filter-dryer ✓    | 24DE105F      | 24DE105F      | 24DE105F           | 24DE105F      | 7DE30R        | 7DE30R          |
| Refrigerant sight glass       | 31DE130A      | 31DE130A      | 31DE130A           | 31DE130A      | 31DE130B      | 31DE130B        |
| ΔP switch                     | 7DE240BH      | 7DE240BH      | 7DE240BQ           | 7DE240BQ      | 7DE240BQ      | 7DE240BQ        |
| Hi evap sensor ✓              | 7DE60CA*      | 7DE60CA*      | —                  | —             | —             | —               |
| Hi suction sensor             | 7DE60CE*      | 7DE60CE*      | —                  | —             | —             | —               |
| Digital display               | 7DE88DL       | 7DE88DL       | 7DE88DL            | 7DE88DL       | 7DE88DL       | 7DE88DL         |
| <b>Compressors</b>            |               |               |                    |               |               |                 |
| 208-230/1/60 Copeland         | 7DE40FS       | 7DE40FT       | 7DE40DB            | —             | —             | —               |
| 208-230/3/60 Copeland         | —             | —             | 7DE40CA            | 7DE40BX       | 7DE40BT       | 7DE40CD         |
| 460/3/60 Copeland             | —             | —             | 7DE40DB            | 7DE40FV       | 7DE40BS       | 7DE40CE         |
| 460/3/60 Tecumseh             | 7DE40DQ       | 7DE40DQ       | 7DE40GS            | 7DE40GR ✓     | —             | —               |
| <b>Fan Motors</b>             |               |               |                    |               |               |                 |
| 208-230/1/60 Copeland         | 7DE41CM       | 7DE41AL       | 7DE41KZ            | 7DE41HL       | —             | —               |
| 208-230/3/60 Copeland         | —             | —             | 7DE41KZ            | 7DE41HL       | 7DE41JY       | 7DE41JY         |
| 460/3/60 Copeland             | —             | —             | 7DE41AM            | 7DE41CZ       | 7DE41HE       | 7DE41HE         |
| 460/3/60 Tecumseh             | 7DE41BJ       | 7DE41BJ       | 7DE41BJ            | 7DE41LB       | —             | —               |
| <b>Fan Blades</b>             |               |               |                    |               |               |                 |
| 208-230/1/60 Copeland         | 7DE41HD       | 7DE41HC       | 7DE41FS            | 7DE41KS       | —             | —               |
| 208-230/3/60 Copeland         | —             | —             | 7DE41FS            | 7DE41KS       | 7DE41FS       | 7DE41FS         |
| 460/3/60 Copeland             | —             | —             | 7DE41BS            | 7DE41BT       | 7DE41FS       | 7DE41FS         |
| 460/3/60 Tecumseh             | 7DE41LA       | 7DE41LA       | <del>7DE41LA</del> | 7DE41LB       | —             | —               |
| <b>Fan Pressure Switch #1</b> |               |               |                    |               |               |                 |
| 208-230/1/60 Copeland         | 24DE85A       | 24DE85A       | 24DE85A            | 24DE85A       | —             | —               |
| 208-230/3/60 Copeland         | —             | —             | 24DE85A            | 24DE85A       | 24DE85A       | 24DE85A         |
| 460/3/60 Copeland             | —             | —             | 24DE85A            | 24DE85A       | 24DE85A       | 24DE85A         |
| 460/3/60 Tecumseh             | 24DE85A       | 24DE85A       | 7DE41LP            | 7DE41LP       | —             | —               |
| <b>Fan Pressure Switch #2</b> |               |               |                    |               |               |                 |
| 208-230/1/60 Copeland         | 24DE85A       | 24DE85A       | 24DE85A            | 24DE85A       | —             | —               |
| 208-230/3/60 Copeland         | —             | —             | 24DE85A            | 24DE85A       | 24DE85A       | 24DE85A         |
| 460/3/60 Copeland             | —             | —             | 24DE85A            | 24DE85A       | 24DE85A       | 24DE85A         |
| 460/3/60 Tecumseh             | 24DE85A       | 24DE85A       | 7DE41LQ            | 7DE41LQ       | —             | —               |

\* Only for HG models.

*Tecumseh  
GE/Fasco (fan motors)*

406V  
100V  
20V

HG151-ES 460V

AH202-TT-102-A4

522-0043-05  
7DE41BD

933

Condensing Unit  
Condensing Unit D/T  
Compressor  
Compressor D/T  
Fan Motor  
Fan Motor D/T  
Fan Blade  
Fan Blade D/T

Condensing Unit  
Condensing Unit D/T  
Compressor  
Compressor D/T  
Fan Motor  
Fan Motor D/T  
Fan Blade  
Fan Blade D/T

2 MMS

Condensing Unit  
Condensing Unit D/T  
Compressor  
Compressor D/T  
Fan Motor  
Fan Motor D/T  
Fan Blade  
Fan Blade D/T

Condensing Unit  
Condensing Unit D/T  
Compressor  
Compressor D/T  
Fan Motor  
Fan Motor D/T  
Fan Blade  
Fan Blade D/T

| HC10/15                | Our Cost/<br>List Price | HC25                   | Our Cost/<br>List Price | HC50                   | Our Cost/<br>List Price |
|------------------------|-------------------------|------------------------|-------------------------|------------------------|-------------------------|
| R-12<br>MA5160A        | 89.25                   | R-12<br>MA5170A        | 91.42                   | R-12<br>FXAH00501AA106 | \$170.56                |
| 7DE50EV                | 330.00                  | 7DE50EW                | 348.00                  | 7DE50EX                | 648.00                  |
| C144CAZ4ES             |                         | C145EG24ES             |                         | JRL4-0050-1AA          |                         |
| 7DE40FP                | 132.00                  | 7DE40FQ                | 191.00                  | 7DE40CM                | 822.00                  |
| 24102                  |                         | 24102                  |                         | 050-0241-02            |                         |
| 7DE41DQ                | 59.00                   | 7DE41DQ                | 59.00                   | 7DE41BB                | 69.00                   |
| 24508                  |                         | 24508                  |                         | 083-0103-00            |                         |
| 7DE41DR                | 8.00                    | 7DE41DR                | 8.00                    | 7DE41BS                | 49.00                   |
|                        |                         |                        |                         |                        |                         |
| HC75                   | Our Cost/<br>List Price | HC100                  | Our Cost/<br>List Price | HC150/151              | Our Cost/<br>List Price |
| R-12<br>FXAH00751AV106 | 241.99                  | R-12<br>FXAH0100CAV106 | 262.60                  | R-22<br>F9AH0150CFV106 | 348.73                  |
| 7DE50EY                | 896.00                  | 7DE50EZ                | 972.00                  | 7DE50FA                | 1290.00                 |
| RRS4-0075-1AV-958      |                         | RRL4-0100-CAV-958      |                         | CRA1-0150-PFV-970      |                         |
| 7DE40FR                | 366.00                  | 7DE40FS                | 366.00                  | 7DE40FT                | 447.00                  |
| 998-1007-00            |                         | 998-1007-00            |                         | 050-0017-04            |                         |
| 7DE41CM                | 121.00                  | 7DE41CM                | 121.00                  | 7DE41AL                | 235.00                  |
| 083-099-00             |                         | 083-099-00             |                         | 083-0092-00            |                         |
| 7DE41HB                | 76.00                   | 7DE41HB                | 76.00                   | 7DE41HC                | 53.00                   |
|                        |                         |                        |                         |                        |                         |
| R-12<br>HC201          | Our Cost/<br>List Price | HC281                  | Our Cost/<br>List Price | 7DE4068<br>HC400       | Our Cost/<br>List Price |
| FBAH0100CAV001         | 316.92                  | R-22<br>F3AD0151CFV001 | 330.39                  | F3AD0201TFD010         | 568.81                  |
| 7DE500                 | 1186.00                 | 7DE50FK                | 1222.00                 | 7DE50FF                | 1777.00                 |
| RRL4-0100-CAV-959      |                         | CRA1-0150-PFV-970      |                         | JRD1-0200-TFD-970      |                         |
| 7DE40L                 | 447.00                  | 7DE40FT                | 447.00                  | 7DE40DB                | 661.00                  |
| 998-1007-00            |                         | 050-0017-04            |                         | 050-0244-02            |                         |
| 7DE41CM                | 121.00                  | 7DE41AL                | 235.00                  | 7DE41AM                | 122.00                  |
| 998-0083-04            |                         | 083-0092-00            |                         | 083-0103-00            |                         |
| 7DE41HD                | 57.00                   | 7DE41HC                | 53.00                   | 7DE41BS                | 49.00                   |
|                        |                         |                        |                         |                        |                         |
| HC550                  | Our Cost/<br>List Price | HC750                  | Our Cost/<br>List Price | HC1000                 | Our Cost/<br>List Price |
| R-22<br>F3AD0301TFD010 | 581.77                  | R-22<br>F3AD0401TFD010 | 726.16                  | R-22<br>F3AD0501TFD010 | 784.49                  |
| 7DE50FG                | 2153.00                 | 7DE50FH                | 2687.00                 | 7DE50FJ                | 2903.00                 |
| CRJ3-0300-TF5-970      |                         | CRM1-0400-TF5-970      |                         | CRN1-0500-TFD-970      |                         |
| 7DE40FV                | 655.00                  | 7DE40BS                | 741.00                  | 7DE40CE                | 540.00                  |
| 050-0251-01            |                         | 050-0250-01            |                         | 050-0250-01            |                         |
| 7DE41CF                | 257.00                  | 7DE41HE                | 264.00                  | 7DE41HE                | 264.00                  |
| 083-0034-00            |                         | 083-0112-00            |                         | 083-0112-00            |                         |
| 7DE41BT                | 52.00                   | 7DE41FS                | 64.00                   | 7DE41FS                | 64.00                   |

\*LIST PRICE TO BE DETERMINED BY SALES DEPT. AND WILL BE NOTED IN THE SPACE NEXT TO DELTECH PART NUMBER ABOVE.

001-00  
0244-00  
0505-00  
HG400-E4  
309-230  
CRN1-0200-TF5-970

HG550-E4  
208/230  
compressor  
CRJ3-0300-TF5-970

7DE40BX



COMPRESSOR  
 FAN MOTOR  
 FAN BLADE

HG10  
 7DE40FP  
 7DE41DQ  
 7DE41DR  
 R-12

HG25  
 7DE40FQ  
 7DE41DQ  
 7DE41DR  
 R-12

HG50  
 7DE40CM  
 7DE41BB  
 7DE41BS  
 R-12

COMPRESSOR  
 FAN MOTOR  
 FAN BLADE

HG75  
 7DE40FR  
 7DE41CM  
 7DE41HB  
 R-12

HG100  
 7DE40FS  
 7DE41CM  
 7DE41HB  
 R-12

HG150/151  
 7DE40FT  
 7DE41AL  
 7DE41HC  
 R-22

COMPRESSOR  
 FAN MOTOR  
 FAN BLADE

HG201  
 7DE40FS  
 7DE41CM  
 7DE41HD  
 R-12

HG281  
 7DE40FT  
 7DE41AL  
 7DE41HC  
 R-22

UNTIL 884  
 HG400  
 7DE40DB  
 7DE41AM  
 7DE41BS

7DE40CA 208-230

COMPRESSOR  
 FAN MOTOR  
 FAN BLADE

UNTIL 884  
 HG550  
 7DE40FV  
 7DE41CZ  
 7DE41BT

HG750  
 7DE40BS  
 7DE41HE  
 7DE41FS

HG1000  
 7DE40CE  
 7DE41HE  
 7DE41FS

7DE40BX 208-230

HG51  
 7DE40HS  
 COMPRESSOR

DESUPER HEAT Range.

3-53 AT COMP

3-12 AT SUCTION LINE

### TECUMSEH PARTS

FAN CYCLE SWITCH'S  
FOR F-125. Ref. 22

84081-1 - 7DE41LL  
230-135

PART LIST FOR Compressor.

84081-2 - 7DE41LM  
275-185

Pressure switch 84082-2 HG:550  
7DE60DD

FAN CYCLE SWITCH'S  
#G 400 Ref-12

FAN CYCLE SWITCH'S

FAN SWITCH #1 ON 220 OFF 180  
84081-3 \$9.27 7DE41LP

84083-1 7DE41WT

84083-2 7DE41JV

FAN SWITCH #2 ON 240 OFF 200  
84081-4 \$9.29 7DE41LQ

TECUMSEH PARTS.

Hi PRESS -  
84082-2 7DE60DD

LOW PRESS

Pressure switch  
84076-1 7DE41LR  
\$5.54

FAN CYCLE SWITCH'S  
HG 550 E4 208/230V R-12

FAN SWITCH #1  
84077-1

FAN SWITCH #2  
84077-2

HG 280 E5  
HG 281 E5

HIGH PRESSURE  
7DE60DE  
84082-3

LOW PRESSURE  
7DE60DM  
84026-5