

# YORK®

## RENEWAL PARTS

File: SERVICE/REFRIGERATION and AIR CONDITIONING Manual-  
Liquid Chillers Section  
ACCESSORIES and SUPPLIES Catalog - Section K-5

Supersedes: Nothing

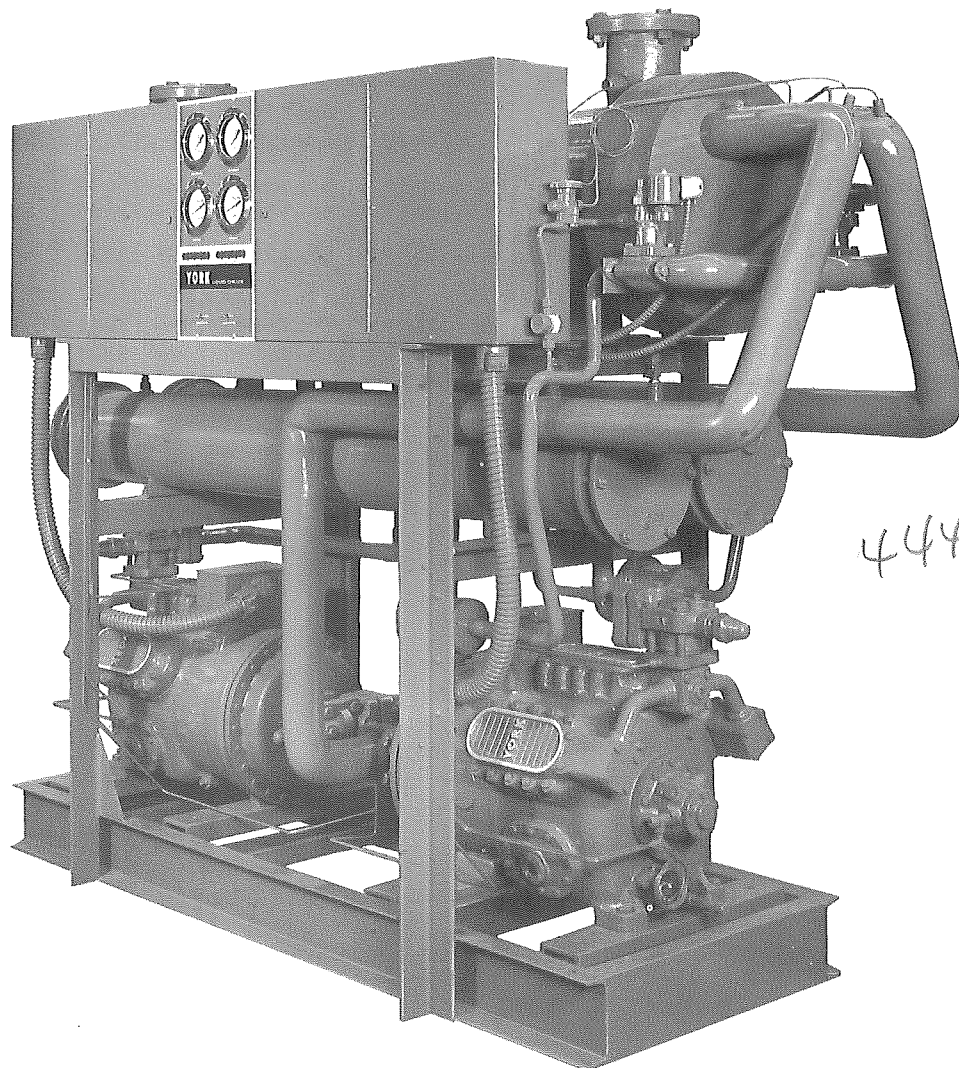
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Form 150.16-RP  
(10E8-RP)

## 2DHH SERIES HERMETIC PACKAGED LIQUID CHILLERS DIRECT EXPANSION MODELS 50, 60, 70 AND 80 REFRIGERANT-22



*4445-A*

York 2-5/8" bore V/W hermetic compressor models as listed in TABLE 1 below are used on Model 2 DHH packaged liquid chillers. Renewal parts for these compressors are listed in Engineered Machinery

Service Instruction 3WH-RP.

Replacement compressors (with motor included) are listed in TABLE 1 below

TABLE 1

| REPLACEMENT COMPRESSORS - MODEL 2DHH PACKAGED LIQUID CHILLERS |         |            |             |              |                |                                                             |                    |                    |                    |                    |
|---------------------------------------------------------------|---------|------------|-------------|--------------|----------------|-------------------------------------------------------------|--------------------|--------------------|--------------------|--------------------|
|                                                               |         |            |             |              |                | YORK PART NOS. -REPLACEMENT COMPRESSORS<br>(MOTOR INCLUDED) |                    |                    |                    |                    |
|                                                               |         |            |             |              |                | ELECTRICAL CHARACTERISTICS                                  |                    |                    |                    |                    |
| CHILLER<br>MODEL                                              | SYSTEM* | COMPRESSOR |             |              |                | 208/220-3-<br>60<br>PW & ACL<br>or<br>440-3-60<br>ACL       | 220V<br>2-60<br>PW | 440V<br>3-60<br>PW | 480V<br>3-60<br>PW | 550V<br>3-60<br>PW |
|                                                               |         | Model      | No.<br>Cyl. | Bore<br>Ins. | Stroke<br>Ins. |                                                             |                    |                    |                    |                    |
| 2DHH50(E)                                                     | A       | H61SNB     | 6           | 2-5/8        | 1-7/8          | 65-15683                                                    | 65-15684           | 65-15685           | 65-15887           | 65-15686           |
|                                                               | B       | H61SNB     | 6           | 2-5/8        | 1-7/8          | 65-15683                                                    | 65-15684           | 65-15685           | 65-15887           | 65-15686           |
| 2DHH60(E)                                                     | A       | H62SPB     | 6           | 2-5/8        | 2-1/4          | 65-15687                                                    | 65-15688           | 65-15689           | 65-15889           | 65-15690           |
|                                                               | B       | H62SPB     | 6           | 2-5/8        | 2-1/4          | 65-15687                                                    | 65-15688           | 65-15689           | 65-15889           | 65-15690           |
| 2DHH70(E)                                                     | A       | H62SPB     | 6           | 2-5/8        | 2-1/4          | 65-15687                                                    | 65-15688           | 65-15689           | 65-15889           | 65-15690           |
|                                                               | B       | H92SSB     | 9           | 2-5/8        | 2-1/4          | 65-15699                                                    | 65-15800           | 65-15801           | 65-15892           | 65-15802           |
| 2DHH80(E)                                                     | A       | H92SSB     | 9           | 2-5/8        | 2-1/4          | 65-15699                                                    | 65-15800           | 65-15801           | 65-15892           | 65-15802           |
|                                                               | B       | H92SSB     | 9           | 2-5/8        | 2-1/4          | 65-15699                                                    | 65-15800           | 65-15801           | 65-15892           | 65-15802           |

NOTE: Replacement compressors have oil sight glass on left side - may be changed to right side in the field if desired.

Replacement compressors are furnished with a suction pressure operated capacity control valve. When the replacement compressor is installed, exchange the suction pressure operated power assembly with the existing temperature operated power assembly.

PW = Part Winding Starting

ACL = Across-the-Line Starting

(E) = Water Cooled Condensers Omitted

\*See Fig. 3

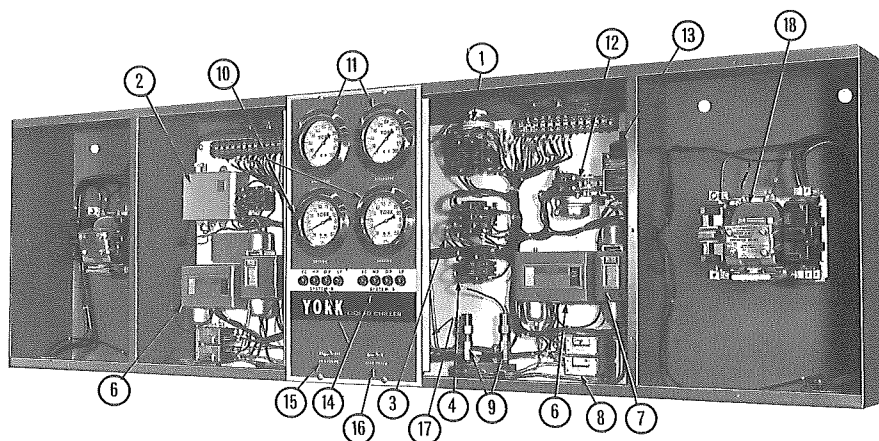


Fig. 1 - Control Panel, R.H. View

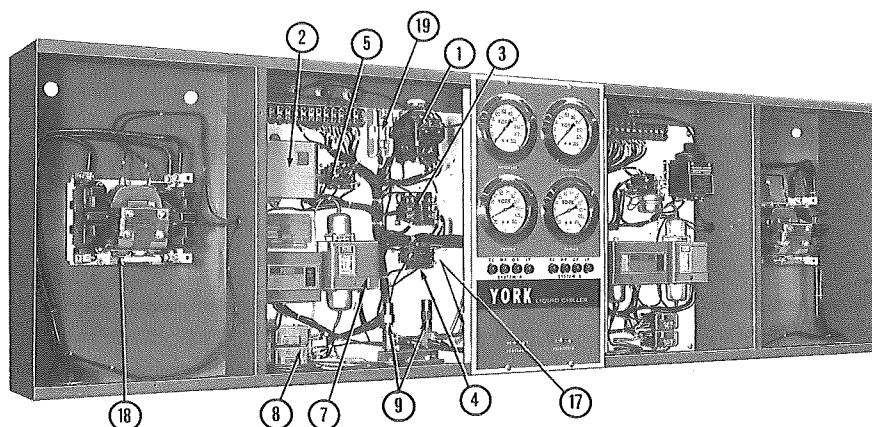


Fig. 2 - Control Panel, L.H. View

RENEWAL PARTS - CONTROL PANEL - 2DHH SERIES PACKAGED  
LIQUID CHILLER (See Fig. 1 and Fig. 2)

| Ref.<br>No. | DESCRIPTION                                   | York Part<br>Numbers |
|-------------|-----------------------------------------------|----------------------|
| 1           | Relay, Time Delay (By-Pass for OP) (1TR)      | 24-11619             |
| 2           | Thermostat, 2-Step (THS)                      | 25-10215             |
| 3           | Relay, Compressor Starting (1R)               | 24-11784             |
| 4           | Relay, Non-Recycling Pumpdown (2R)            | 24-11655             |
| 5           | Relay, Auxiliary Devices (3R)                 | 24-11655             |
| 6           | Cut Out, Freeze Protection (FC)               | 25-9831              |
| 7           | Switch, Oil Pressure (OP)                     | 25-10942             |
| 8           | Cut Out, Combination HP and LP (HP-LP)        | 25-9830              |
| 9           | Valves, Stop, Angle                           | 22-1581              |
| 10          | Gauges, Suction                               | 26-9098              |
| 11          | Gauges, Discharge                             | 26-9097              |
| 12          | Timer, Repeat Cycle (4TR)                     | 25-12097             |
| 13          | Relay, Time Delay, Lag Unit (3TR)             | 24-9417              |
| 14          | Lights, Safety Indicator                      | 25-12095             |
| 15          | Switch, On-Off-Pumpdown (S1)                  | 24-11737             |
| 16          | Switch, Lead-Lag Selector (S4)                | 24-11735             |
| 17          | Switches, System Service (S2, S3)             | 24-11736             |
| 18          | Contactor(s), Starting <sup>(1)</sup>         | ----                 |
| 19          | Fuse 10 Amp, Dual Element (FU)                | 25-9970              |
| 20          | Relay, Time Delay (PW Start, Not Shown) (2TR) | 24-11650             |

<sup>(1)</sup> For Replacement Parts not identified by York Part Nos., give description on Repair Parts order showing Model No., Serial No. and York Order No.

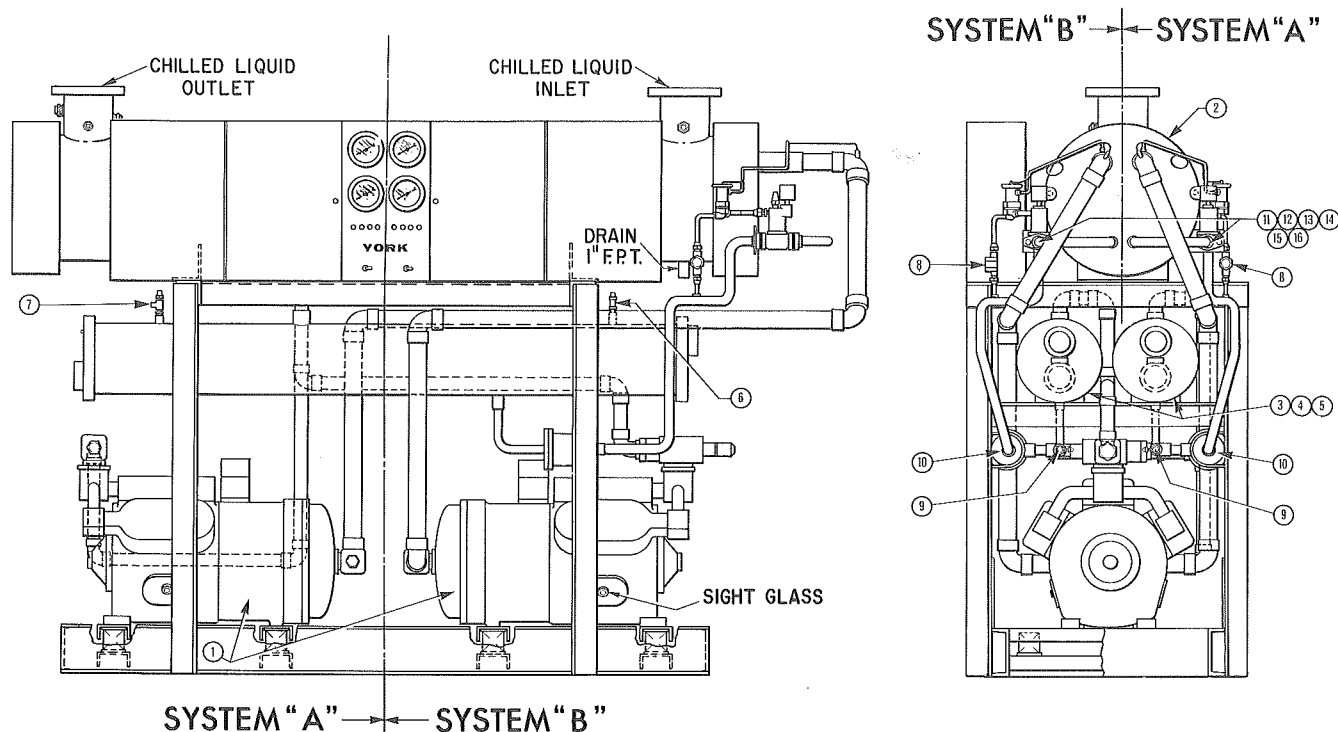


Fig. 3 - 2DHH Packaged Liquid Chiller

RENEWAL PARTS - 2DHH SERIES PACKAGED LIQUID CHILLERS (SEE FIG. 3)

| Ref. No. | DESCRIPTION<br>Unit Model                                    | YORK PART NUMBERS                                                |           |                                                    |           |
|----------|--------------------------------------------------------------|------------------------------------------------------------------|-----------|----------------------------------------------------|-----------|
|          |                                                              | 2DHH50(E)                                                        | 2DHH60(E) | 2DHH70(E)                                          | 2DHH80(E) |
| 1        | Compressor                                                   | For all Compressor Parts refer to York Renewal Parts Form 3WH-RP |           |                                                    |           |
| 2        | Cooler <sup>(1)</sup>                                        | ---                                                              | ---       | ---                                                | ---       |
| 3        | Condenser <sup>(1)</sup>                                     | ---                                                              | ---       | ---                                                | ---       |
| 4        | Tube, Condenser <sup>(1)</sup>                               | ---                                                              | ---       | ---                                                | ---       |
| 5        | Gasket, Condenser Head <sup>(1)</sup>                        | ---                                                              | ---       | ---                                                | ---       |
| 6        | Condenser Relief Valve                                       | 22-1887                                                          | 22-1887   | 22-1887                                            | 22-1887   |
| 7        | Purge Valve                                                  | 22-1581                                                          | 22-1581   | 22-1581                                            | 22-1581   |
| 8        | Indicator, Moisture, Sight Glass                             | 26-10969                                                         | 26-10969  | 26-10969                                           | 26-10969  |
| 9        | Valve, Liquid Stop                                           | 25-10510                                                         | 25-10510  | 25-10510                                           | 25-10510  |
| 10       | Cartridge, Filter-Drier                                      | 26-10640                                                         | 26-10640  | 26-10640 <sup>(3)</sup><br>26-10641 <sup>(4)</sup> | 26-10641  |
| 11       | Thermal Exp. Valve, Pilot (Alco TCL300HGA)                   | 25-10459                                                         | 25-10459  | 25-10459                                           | 25-10459  |
| 12       | Power Assembly for Item 11 (XB1019HGA1B)                     | 25-10461                                                         | 25-10461  | 25-10461                                           | 25-10461  |
| 13       | Cage for Item 11 (XC709BOB)                                  | 25-10460                                                         | 25-10460  | 25-10460                                           | 25-10460  |
| 14       | Compound, Heat Conductive, for Bulb of Item 11               | 13-898                                                           | 13-898    | 13-898                                             | 13-898    |
| 15       | Expansion Valve, Pilot-Operated (Alco POS-H1) <sup>(2)</sup> | 25-9834                                                          | 25-9835   | 25-9835 <sup>(3)</sup><br>25-9836 <sup>(4)</sup>   | 25-9836   |
| 16       | Coil, Solenoid for Item 15 (Alco XA1550-115V-60Cy)           | 25-4646                                                          | 25-4646   | 25-4646                                            | 25-4646   |

<sup>(1)</sup> For Replacement Parts not identified by York Part Nos., give description on Repair Parts order showing Model No., Serial No. and York Order No.

<sup>(2)</sup> Includes: Main Expansion Valve and Items 11, 12, 13, 16.

<sup>(3)</sup> For System "A"

<sup>(4)</sup> For System "B"

**YORK CORPORATION** York, Pennsylvania  
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