

# 500 TON CENTRIFUGAL CHILLER

## INSTALLATION SERVICE CONNECTIONS

- (A) COOLER INLET 8" VICTAULIC FITTING FROM CHILLER
- (B) COOLER OUTLET 8" VICTAULIC FITTING FROM CHILLER
- (C) CONDENSER INLET 10" VICTAULIC FITTING FROM CHILLER
- (D) CONDENSER OUTLET 10" VICTAULIC FITTING FROM CHILLER
- (E) POWER SUPPLY TO FACTORY WIRED SOLID STATE STARTER DISCONNECT
- (F) MICROPROCESSOR CONTROL PANEL
- (G) REFRIGERANT RELIEF CONN. - 2" NPT BURSTING DISC
- (H) OIL PUMP WIRING - FACTORY WIRED.

## MODULAR HEADER SYSTEM (SHIPPED LOOSE)

\* NOTE: COOLER AND CONDENSER EACH HAVE A SEPARATELY PROVIDED SYSTEM - CONSISTING OF THE FOLLOWING:

- (1) 8" VICTAULIC TO 8" FLANGED FITTING ADAPTOR
- (2) 8" FLANGED 90 DEGREE ELBOWS
- (2) 8" SHUTOFF VALVES
- (2) 8" FLANGE TO FLANGE SPOOL PIECE W/INSTRUMENT THREADOLETS
- (1) 8" INLET STRAINER
- (1) FLOW SWITCH - MUST BE MOUNTED IN OUTLET SPOOL PIECE.
- (2) PRESSURE GAUGES
- (2) THERMOMETERS
- (2) 10" VICTAULIC TO 10" FLANGED FITTING ADAPTOR
- (2) 10" FLANGED 90 DEGREE ELBOWS
- (2) 10" SHUTOFF VALVES
- (2) 10" FLANGE TO FLANGE SPOOL PIECE W/INSTRUMENT THREADOLETS
- (1) 10" INLET STRAINER
- (1) FLOW SWITCH - MUST BE MOUNTED IN OUTLET SPOOL PIECE.
- (2) PRESSURE GAUGES
- (2) THERMOMETERS
- PLUS MISC. BALL VALVES, CLAMPS, ETC.

## DESIGN DATA

LENGTH:	15'-4"
WIDTH:	5'-8 1/2"
HEIGHT:	8'-8"
WEIGHT (SHIPPING)	19,567 LBS
CAPACITY (TONS) NOMINAL	500
KV/TON:	600
MIN. / MAX. WATER TEMPS.:	28-50 DEG. F.
MAX. WATER PRESSURE:	150 PSI
MIN/MAX COOLER FLOW	619/2194 GPM
MIN/MAX CONDENSER FLOW	584/2136 GPM
REFRIGERANT	R-11

NOTE: R-123 REFRIGERANT IS AVAILABLE FOR THIS UNIT CAPACITY WILL REMAIN 500 TONS

