



**30GTN015,020,025,030 & 035
AIR-COOLED RECIPROCATING
LIQUID CHILLERS WITH
COMFORTLINK™ CONTROLS**

- **PERFORMANCE DATA**
- **CERTIFIED DIMENSION PRINT**
- **FIELD WIRING DIAGRAM**



Date:	Supersedes:	30GTN015,020,025,030,035 AIR-COOLED CHILLERS	30GTN	Rev:
JOB NAME:		LOCATION:		
BUYER:		BUYER P.O. #	CARRIER #	
UNIT NUMBER:		MODEL NUMBER:		
PERFORMANCE DATA CERTIFIED BY:			DATE:	
DESCRIPTION These air-cooled packaged chillers are factory piped, wired, and charged with Refrigerant 22. Weatherproof construction, light weight distribution, and low silhouette make them ideal for rooftop or ground level installation. Upward discharge airflow minimizes directional sound and carries heat away from surrounding areas. FEATURES Reciprocating, serviceable hermetic compressor(s) with spring isolators, electric-actuated cylinder unloaders, automatically reversible oil pump, thermal overload protection, and service valves. Cabinet constructed of galvanized steel, zinc phosphatized, with an electrostatically applied high solids, polyester baked-enamel finish, with hinged access panels. Nonferrous condenser coils with mechanically bonded plate fins and subcooling circuit. Extra large propeller condenser fans permit low rpm to minimize sound levels. Specially designed direct-drive condenser-fan motors, permanently lubricated and inherently protected. Integral shell-and-tube cooler with 3/4-in. cooler insulation and thermostatically controlled electric heater cable. Refrigerant expansion and solenoid valves. Single pumpout control. Microprocessor based leaving temperature control with return temperature compensation. Loss of charge protection, and Time Guard® compressor cycling protection also included. Compressor starts unloaded and features pumpout on compressor start and stop. External and internal compressor and fan motor protection. Discharge gas thermostat, and hot gas muffler. Insert type crankcase heaters. High- and low-pressure safety switches. Low- and high-side fusible plugs. Moisture indicating sight glass. Filter drier. Intermediate season head pressure control. Rigging holes. Standard one-year warranty (5-year compressor on 015). Hot gas bypass (standard on 020 and accessory on all other sizes). Winter start control. Unit capable of starting with up to 95° F water entering the cooler. PERFORMANCE DATA UNIT Capacity _____ Tons Compressor Power Input _____ kW Unit Power Input _____ kW Minimum Outdoor Operating Temp _____ °F Capacity Control Steps _____, Minimum Capacity _____ % Refrigerant _____ Condenser Entering Air Temp _____ °F COOLER Entering Water Temp _____ °F Leaving Water Temp _____ °F Chilled Water Flow _____ Gpm Chilled Water Pressure Drop _____ ft. wg Fouling Factor _____ Fluid _____ ELECTRICAL DATA Power Supply to Unit _____ volts _____ ph _____ Hz Power Supply to Control Circuit _____ volts _____ ph _____ Hz Minimum Circuit Amps _____ Maximum Fuse Amps _____ Control Circuit Fuse Amperes _____ ACCESSORIES ☐ _____ ☐ _____ ☐ _____ ☐ _____ ☐ _____ ☐ _____				

CUT ALONG DOTTED LINE

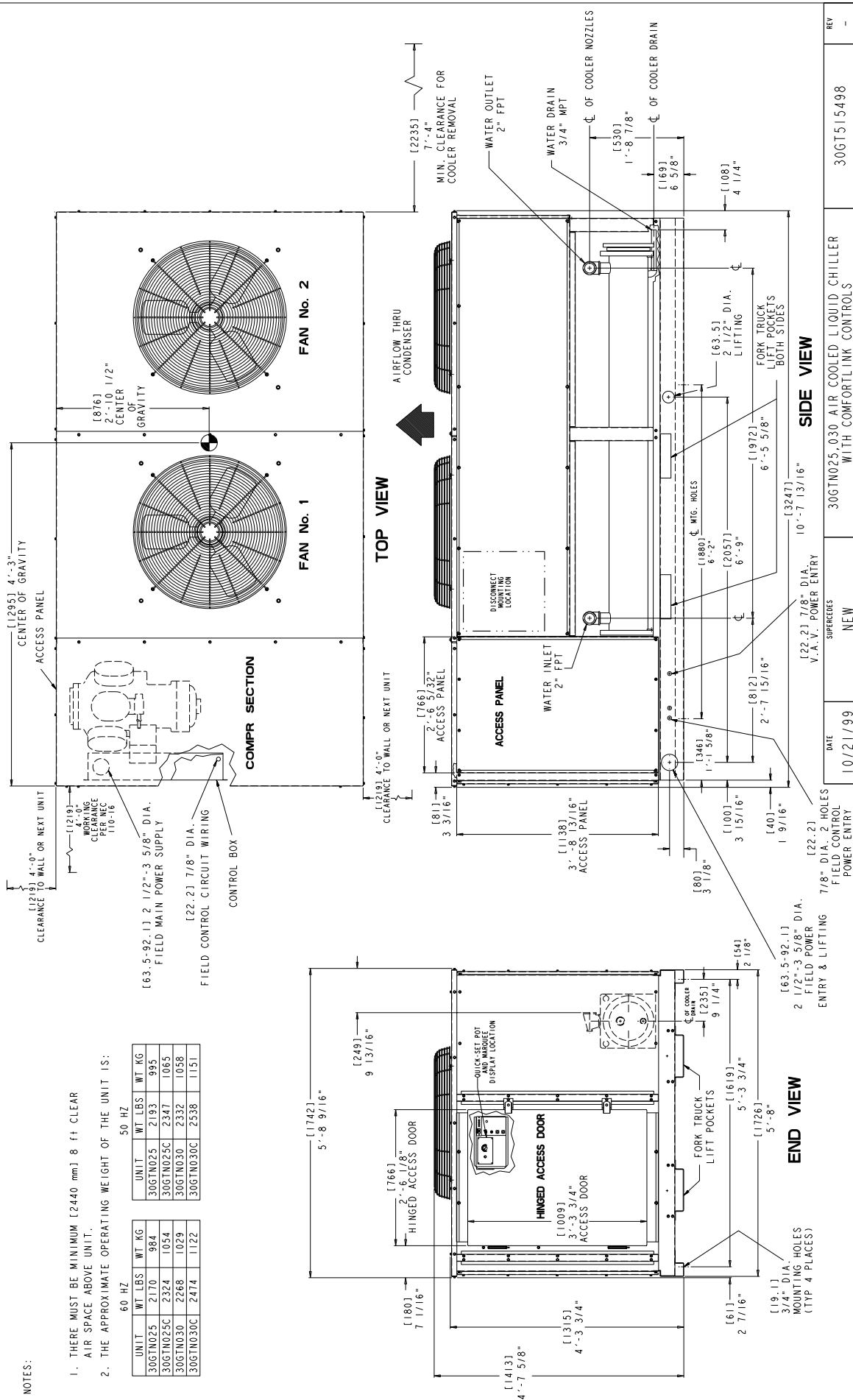
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1. THERE MUST BE MINIMUM [2440 mm] 8 ft CLEAR AIR SPACE ABOVE UNIT.
2. THE APPROXIMATE OPERATING WEIGHT OF THE UNIT IS:

UNIT	WT LBS	WT KG
30GTN025	2170	984
30GTN025C	2324	1054
30GTN030	2268	1029
30GTN030C	2474	1122

UNIT	WT LBS	WT KG
30GTN025	2193	995
30GTN025C	2347	1065
30GTN030	2332	1058
30GTN030C	2538	1151



DATE	SUPERCODES	REV
01/21/99	NEW	30GT515498

30GT515498	REV -
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J. FACTORY WIRING IS IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE. ANY FIELD MODIFICATIONS OR ADDITIONS MUST BE IN COMPLIANCE WITH ALL APPLICABLE CODES.

2. CONNECT SEPARATE SOURCE OF CONTROL POWER FROM FIELD SUPPLIED FUSED DISCONNECT TO TERMINAL 1 OF TB4. NEUTRAL SIDE MUST BE CONNECTED TO TERMINAL 2. THIS PROVIDES POWER FOR THE UNIT CONTROL CIRCUIT, COOLER HEATER AND COMPRESSOR CRANKCASE HEATER.
3. ALL FIELD INTERLOCK CONTACTS MUST HAVE MINIMUM RATING OF 360 VA. PILOT DUTY PLUS CAPACITY REQUIRED FOR FIELD INSTALLED EQUIPMENT.
4. FOR INTERNAL UNIT WIRING REFERENCE WIRING BOOK OR UNIT WIRING LABEL DIAGRAM.
5. FOR GCS ACCESSORY, REMOVE JUMPER WIRE BETWEEN TERMINALS 5 & 8 ON TERMINAL BLOCK TB2.
6. FOR PART WIND START ACCESSORY, REMOVE GRAY JUMPER WIRE BETWEEN C-A1-C1 AND C-A1A-C1. TIME DELAY RELAY SHOWN IN SUGGESTED MOUNTING POSITION.

MAIN POWER	CONTROL POWER
208/230-3-60	115-1-60
460-3-60	115-1-60
575-3-60	115-1-60
380-3-60	220-1-60
380/415-3-50	230-1-50

