



30RC065-150 R-410A Units Remote Evaporator (Braze Plate Heat Exchanger Only) Mounting Accessory

Installation Instructions

Part No. 30RC70000201

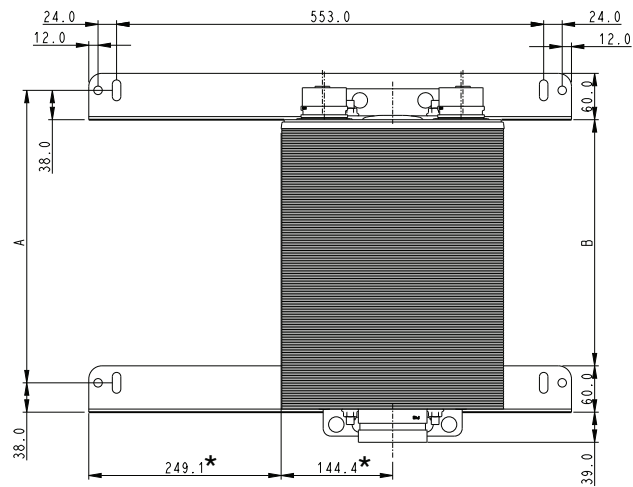
SAFETY CONSIDERATIONS

Installation and servicing of air-conditioning equipment can be hazardous due to system pressure and electrical components. Only trained and qualified service personnel should install, repair, or service air-conditioning equipment.

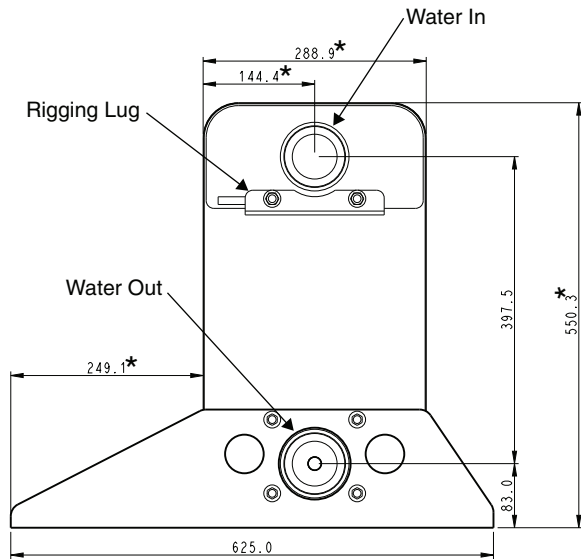
Untrained personnel can perform basic maintenance functions of cleaning coils and filters and replacing filters. All other operations should be performed by trained service personnel. When working on air-conditioning equipment, observe precautions in the literature, tags and labels attached to the unit, and other safety precautions that may apply.</

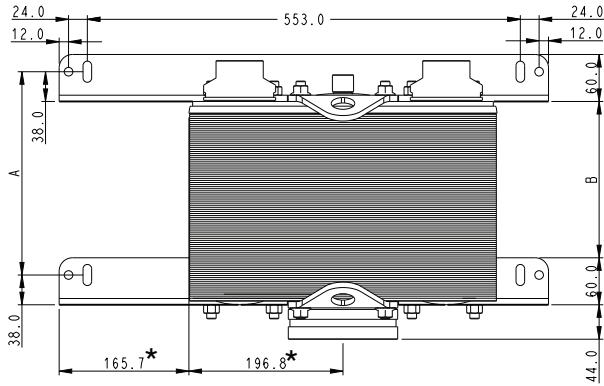
Table 1 — 30RC70000201 Accessory Package Contents for 30RC065-150 R-410A Units

PART NUMBER	QUANTITY	DESCRIPTION
HX30FZ001	1	Junction Box, Waterproof
HX38ZZ001	1	Box Cover, Waterproof
00PPN500000302A	4	M6 Screws
RM02EJ200	100 ft	22 ga 5 Conductor Thermistor Cable
32GB404694	3	Cable Assembly (EXV and Flow Switch)
HW60EA001	2	Strain Relief Connector – 1/2 in.
EB51RW122	2	3/8 in. NPTF Pressure Relief Valve (650 psig)
EP7		



* The dimensions shown are without the evaporator insulation installed.
Evaporator is shipped with factory-installed insulation that is 19.1 mm (3/4 in.) thick.
Add/subtract insulation thickness as necessary to determine actual dimensions.





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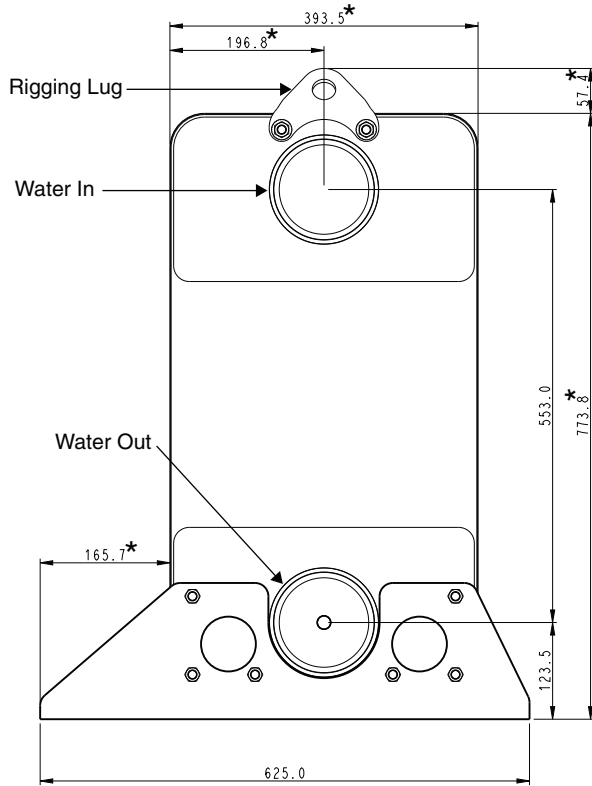
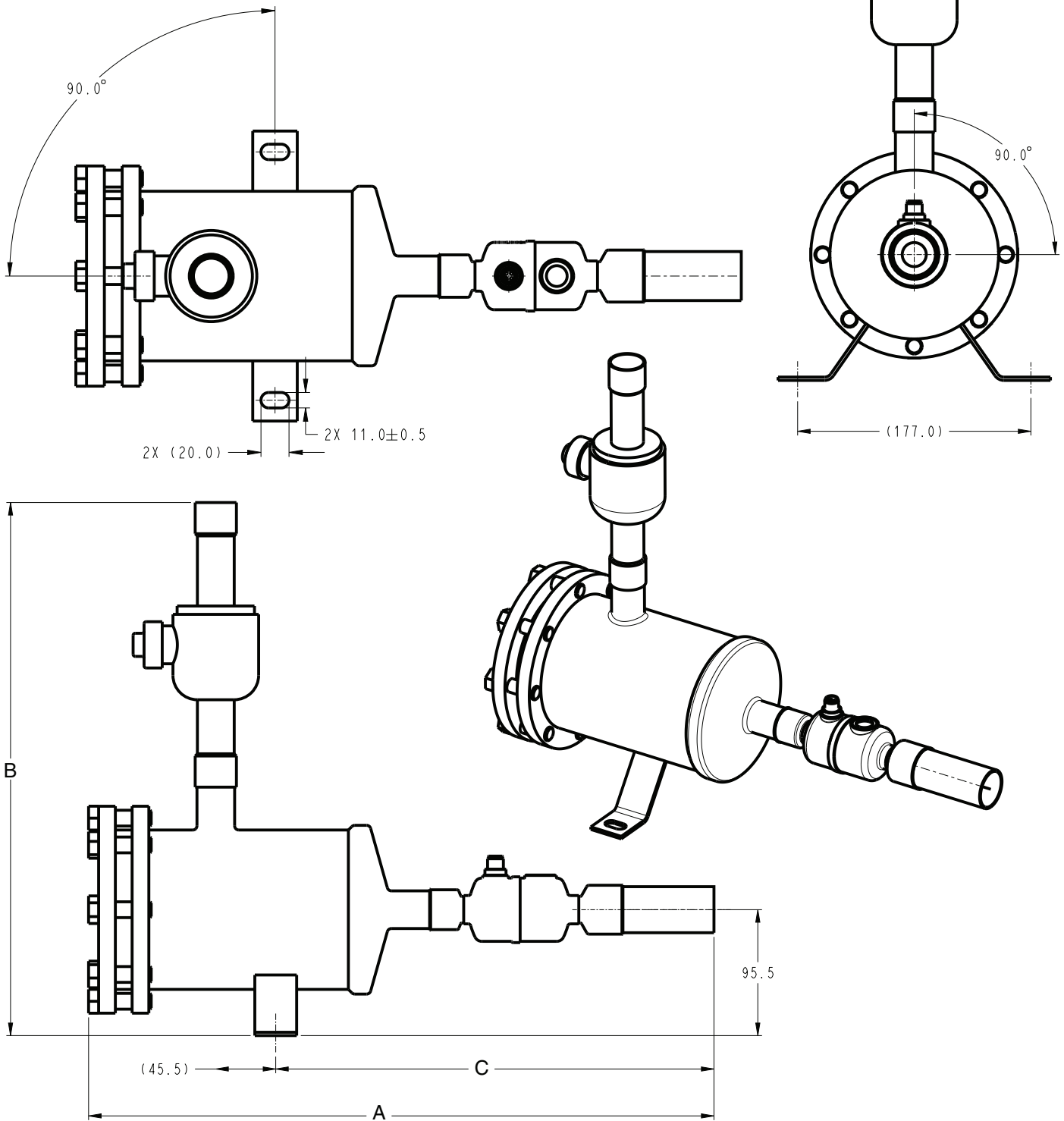


Table 2 — Evaporator Connection Dimensions

UNIT 30RC	CARRIER P/N	WATER CONNECTIONS (VICTAULIC) INLET/OUTLET (in.)	REFRIGERANT CONNECTIONS LIQUID INLET (IDS) (in.)		REFRIGERANT CONNECTIONS SUCTION OUTLET (IDS) (in.)		EMPTY WEIGHT (lb)	EMPTY WEIGHT (kg)	OPERATING WEIGHT (lb)	OPERATING WEIGHT (kg)
			Ckt A</							

Unit Size	A	B	C
30RC065,070 Ckt A	458.5	378.5	316.5
30RC070 Ckt B	450.8	429.4	316.5
30RC080-090	458.5	378.5	316.5
30RC100-150	474.5	404.4	332.5

NOTE: Dimensions are in millimeters.



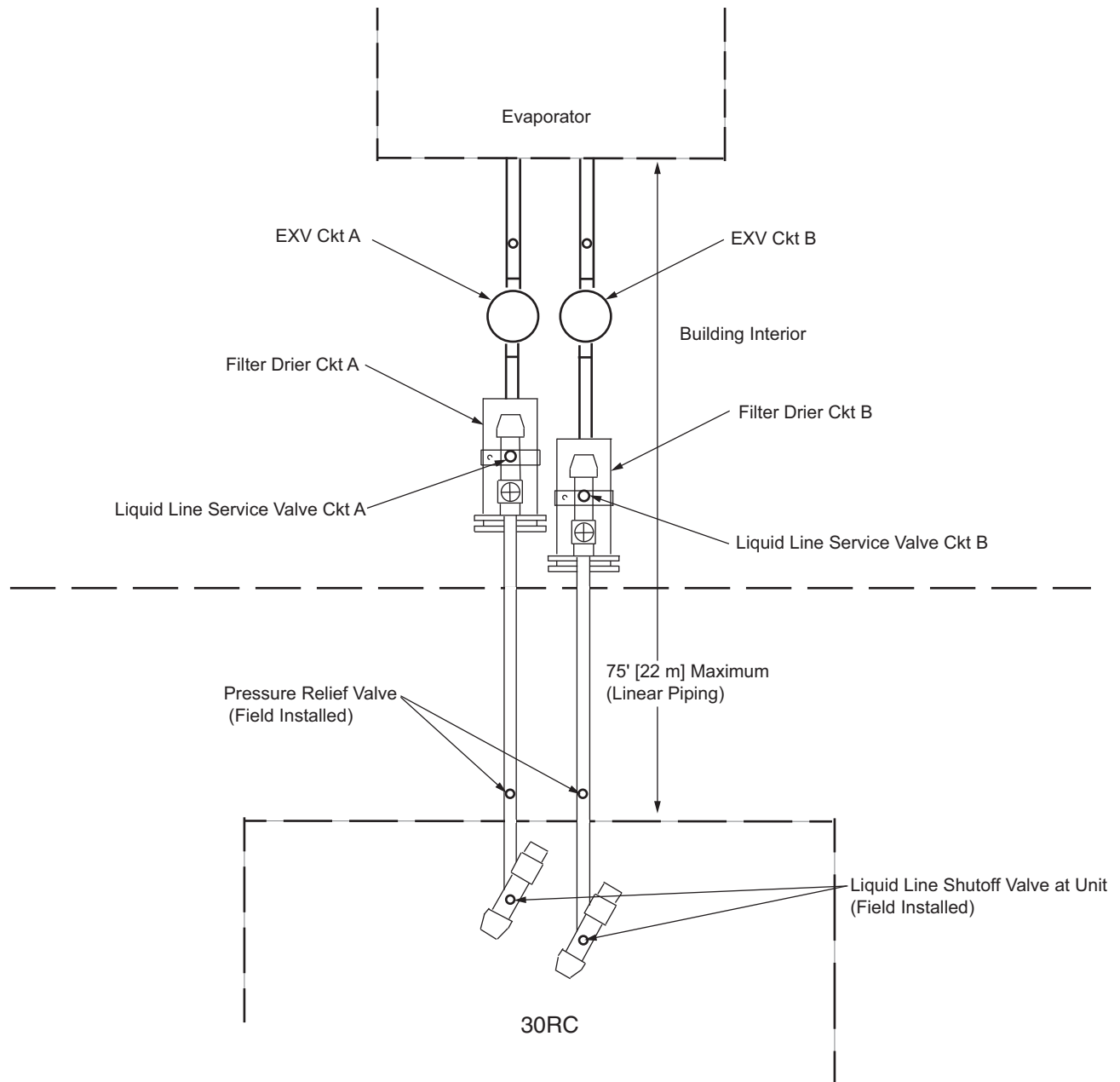


Table 3 — Recommended Refrigerant Line Sizing

UNIT 30RC	REFRIGERANT LINES					
	SUCTION LINE DIAMETER (in.)		LIQUID LINE BEFORE EXV DIAMETER (in.)		LIQUID LINE AFTER EXV DIAMETER (in.) ^a	
	Ckt A	Ckt B	Ckt A	Ckt B	Ckt A	Ckt B
065						

“EWT.” Pick another pair of wires and label both ends of each “LWT.” One wire is not used.

27. Run one end of the jacketed cable(s) into the junction box and splice the cable wires to the identically tagged thermistor leads. Solder the splices and insulate them to prevent shorting. Tighten the strain relief for the cable(s) and secure the junction box cover with the supplied M6 screws. Splicing for leads is shown in Fig. 8.
28. Run the other end of the jacketed cable back to the base unit and into the control box. Tie cables to piping or run cables in conduit; follow local codes. Splice each wire in the control box to the appropriate thermistor lead. Solder the splices and insulate them to prevent short circuiting. Connect the wires to those cut from the SIOB-A-J25 plug, previously labeled EWT and LWT.
29. Label each end of one of the EXV extension cable assemblies supplied with the accessory “EXV A.” Label the ends of the other assemblies “EXV B.” Plug the electrical connectors of the appropriate EXV cable assemblies into the EXVs. Run the other end

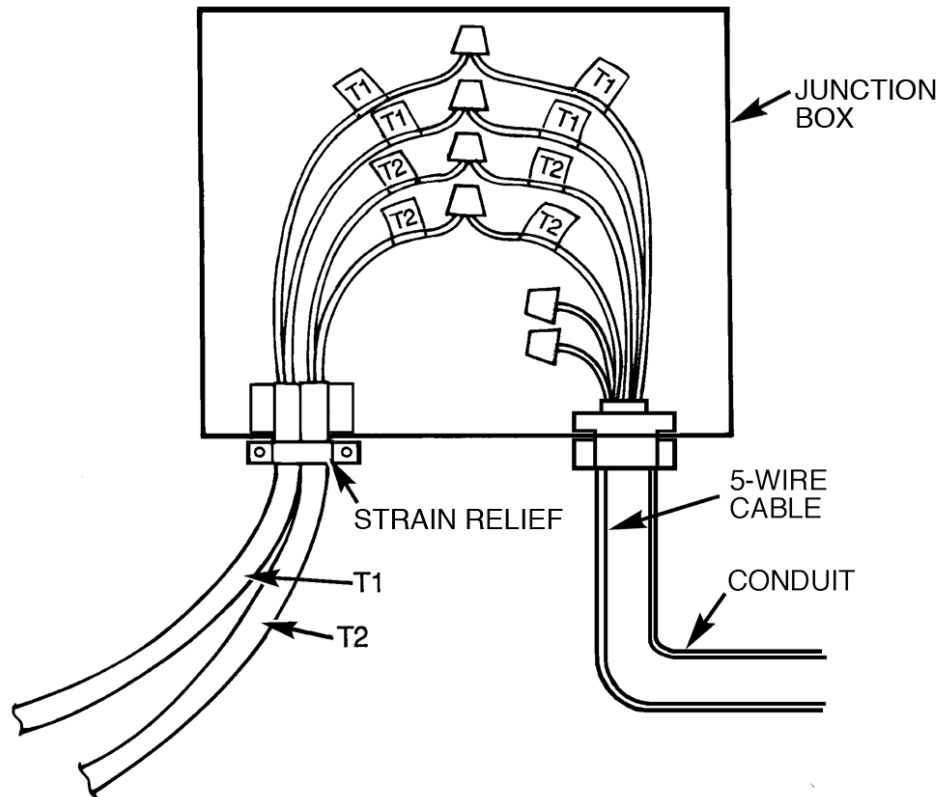


Fig.

