REMOTE MODEL FREEZERS

Installation Spec Sheet

Manitowoc remote evaporator sections (FR1, FR2, and FR3) must be used in conjunction with a Manitowoc reach-in.

The Manitowoc "FR" evaporator section includes the following:

1. evaporator coil (with stub copper connections)
2. evaporator housing
3. evaporator fan(s)
4. thermostat
5. interior cabinet light
6. main on/off switch
7. electric defrost heaters
8. power cord (FR1 and FR2)
9. cabinet vacuum release
10. wiring for liquid line solenoid valve
11. electrical control box
12. defrost time clock

Field supplied components:

1. remote condensing unit
2. expansion valve
3. liquid line drier
4. liquid line solenoid (pump down)
5. low pressure cut-out control
6. interconnecting tubing
7. separate power supply
8. other parts or hardware to complete installation

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Manitowoc Model Freezers:

	Evaporator Section Model Number FR1 FR2 FR3		
Voltage of Evaporator Section	115/60/1	115/60/1	115/208-230/60/1
Power Cord N.E.M.A. Plug Configuration	5-15P	5-20P	No Power Cord Hard-wired
Amperage Evaporator Section Only	Total Amps 6.8	Total Amps 14.3	Min. Circuit Amps 10.9 Max. Fuse Size 15
Supplied Voltage for Liquid Line Solenoid	115/60/1	115/60/1	115/60/1
Remote Condensing Unit Power Supply	Separate Power Supply (refer to condensing unit manufacturer for specifications)		
Minimum BTU/Hour∗ Rating at 30 °F evaporator	3,900	5,100	9,000
Nominal H.P. Rating Horse Power	3/4 H.P.	1 H.P.	1 1/2 H.P.
Refrigerant Compatibility**	The evaporators have pressure ratings compatible with: **R-134A R-22 R-402A R-402B R-404A R-507**		
Type of Expansion Valve Required	Internally Equalized	Internally Equalized	Externally Equalized

∗Based on reach-in cabinet operating in a 100 °F room temperature.

**FR3: The evaporator refrigerant distributor provided is compatible with R-402A, R-402B, R-404A, and R-507.