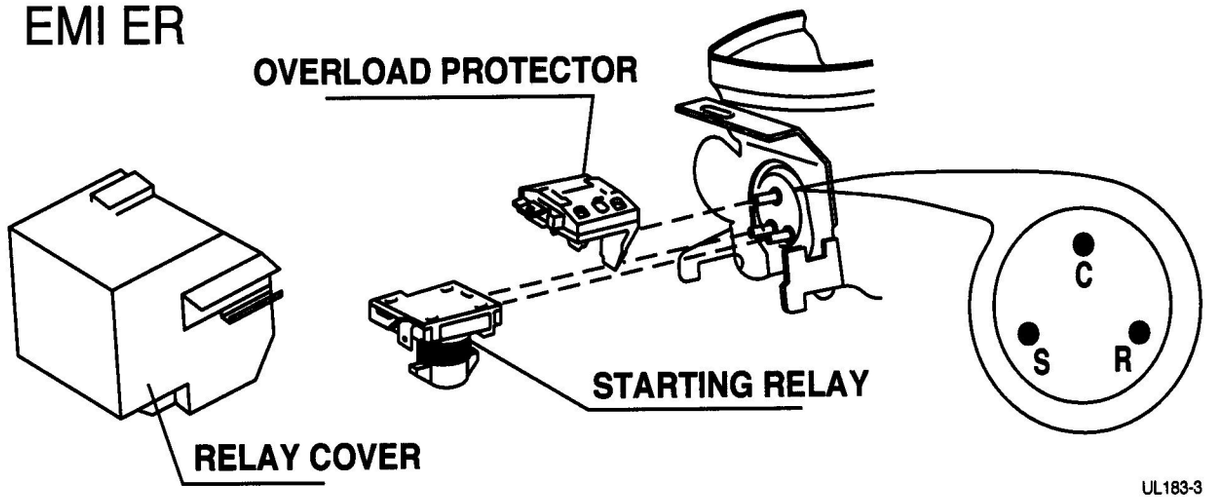
Compressor/Electrical Specifications



Compressor Pins

To measure start winding resistance, measure across the C-S pins.
To measure run winding resistance, measure across the C-R pins. These pins should never measure any resistance to ground. This would indicate a shorted compressor.

Specifications

EMI3OHER Start Winding Resistance:	28 OHMS
EMI3OHER Run Winding Resistance:	8 OHMS
SD39 Start Winding Resistance:	11 OHMS
SD39 Run Winding Resistance:	5 OHMS
EMI5OHER Start Winding Resistance:	12 OHMS
EMI5OHER Run Winding Resistance:	4 OHMS
SD51 Start Winding Resistance:	5 OHMS
SD51 Run Winding Resistance:	5 OHMS
115 VOLT Ice Maker Heater Resistance:	80 OHMS
115 VOLT Water Valve Coil Resistance:	335 OHMS

Refrigeration System Diagnosis Guide

System Condition	Suction Pressure	Suction Line	Compressor Discharge	Condenser	Capillary Tube	Evaporator	Wattage
Normal	Normal	Slightly below room temperature	Very hot	Very hot	Warm	Cold	Normal
Overcharge	Higher than normal	Very cold may frost heavily	Slightly warm to hot	Hot to warm	Cool	Cold	Higher than normal
Undercharge	Lower than normal	Warm - near room temperature	Hot	Warm	Warm	Extremely cold near inlet - Outlet below room temperature	Lower than normal
Partial Restriction	Somewhat lower than normal-in vacuum	Warm - near room temperature	Very hot	Top passes warm - Lower passes cool (near room temperature) due to liquid	Room temperature (cool) or colder	Extremely cold near inlet - Outlet below room temperature backing up	Lower than normal
Complete Restriction	In deep vacuum	Room temperature (cool)	Room temperature (cool)	Room temperature (cool)	Room temperature (cool)	No refrigeration	Lower than normal
No Gas	0 PSIG to 25"	Room temperature (cool)	Cool to hot	Room temperature (cool)	Room temperature (cool)	No refrigeration	Lower than normal