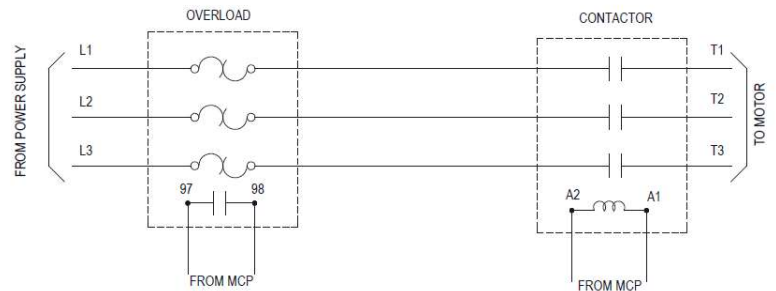


Boost Pump Motor Starter

591098-XXX-HP - Boost Pump Motor Starter



Part Number	591098-120-1.5	591098-208-3	591098-230-3	591098-460-3	591098-575-3
Voltage Rating	120V 50/60Hz	208V 3PH 60Hz	230/240V 3PH 60Hz	460/480V 3PH 60Hz	575V 3PH 60Hz
Pump Motor Rating	1.5 HP	3 HP			
Full-Load Amps	20 A	10.6 A	9.6 A	4.8 A	3.9 A
Short Circuit-Current Rating	5kA				
Enclosure Type	4X				
Conductor Size Min. Spec	12 AWG	14 AWG			
Ground Size Min. Spec	12 AWG	14 AWG			
Disconnect Rating	No less than 25 A				
Max Fuse	K5/RK5 50A			K5/RK5 20A	
Max Circuit Breaker	50 A	40 A	15 A		
Approx. Dimensions	13.625"W x 15.5"H x 6.375"D				

General Info

The purpose of this manual is to provide the necessary information to install and operate the Hydro-Chem equipment to exceed your defined expectation.

The Boost Pump Motor Starter will come pre-wired and UL508a compliant. A schematic of the assembly and its torque specs may be found in the document holder within the enclosure and contractor wiring specs may be found within the document holder of the MCP.

System Overview

Figure 1 outlines the overall layout of the Boost Pump Motor Starter.

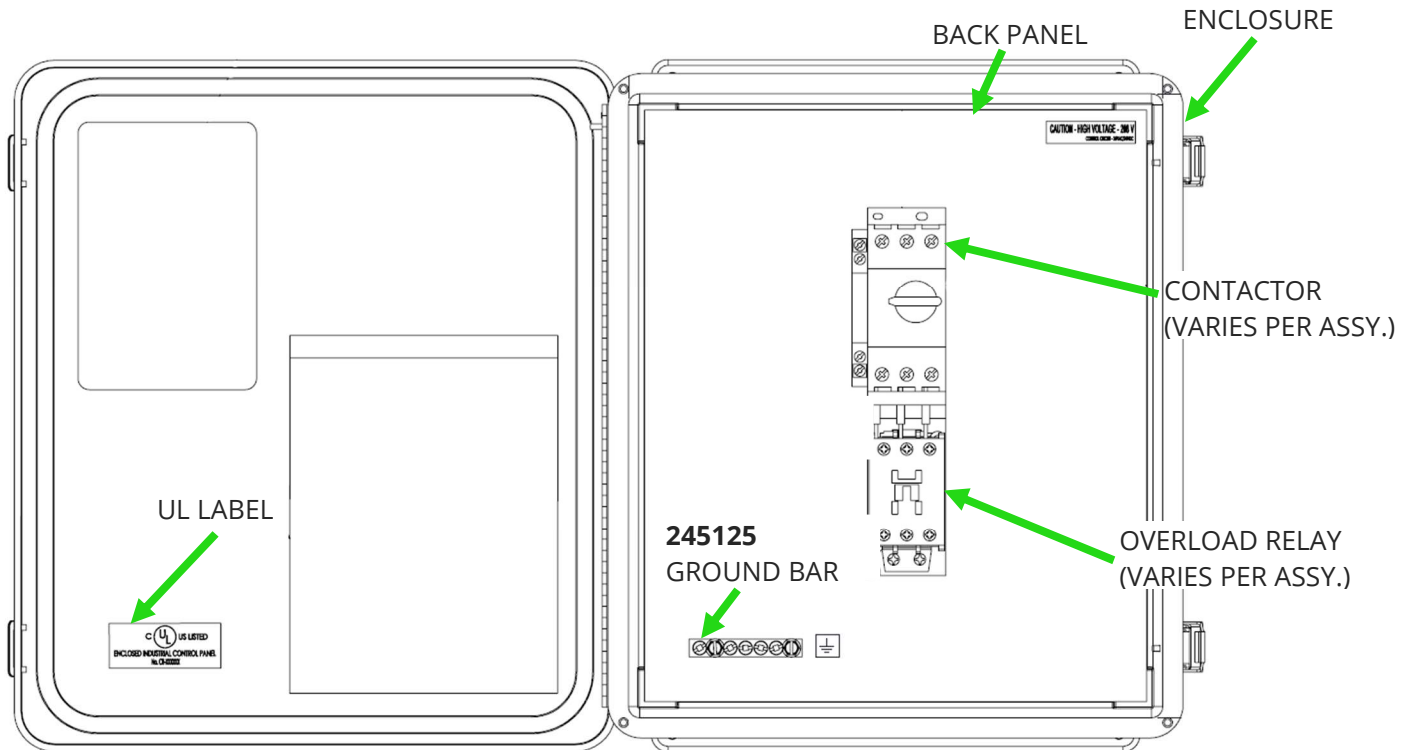


Figure 1. Motor Starter Assembly Layout

Installation & Set-Up

Typically, an electrician will prefer to mount this Motor Starter themselves so that they can meet local code requirements and plan their conduit lines. The Starter should be wired to the instructions within the Electrical Packet for the Automated System and per the requirements on the provided drawing for the Motor Starter.

When starting the system, ensure that the pump has proper rotation. If it does not, then the electrician shall reverse the legs of the power between the pump motor and the Starter to provide proper rotation. Next, ensure that all required wires from the MCP are landed in the Starter.

Troubleshooting

Issue	Potential Solution
Boost Pump not activating during wash	Are any System Stop buttons are pushed in? If not activate the starter in Test Mode.
	If this activates the starter, check that the system sees the required vehicle detection sensor (Monitor System on the MCP).
	If this does not activate the starter, check that the MCP has 24VAC where necessary and proceed to the next steps.
	Check that the overload hasn't tripped at the starter. This can also be seen on the Touch Screen. If the overload has tripped, reset it.
	Check that the supply voltage isn't disconnected or that a breaker hasn't tripped.