ABSTRACT

Troubleshooting a single-phase pump is easier if there has been data recorded at start-up. This is useful to see if there have been any changes to the pump, start components or supply voltage. It is also important at start-up to verify that the ampere-draw and supply voltages are within tolerance. Please refer to the HOMA Pump Selection software (HOPSEL) for specific pump data. You will find the Full Load Amp value and the standard capacitors listed in the pump data pack.

PROCEDURE

Log in all data at commissioning in the Start-Up Check List. If troubleshooting is necessary at a later date, complete the same readings in the section below, Troubleshooting Check List.

Please refer to the Single Phase Pump Start-Up Procedure, ***Publication 88LM2015C*** to assure proper capacitor selection. This affects amp draw on each power lead and should be verified for all single phase applications.

Start-Up Check List

Name Tag Voltage _____V	All Pumps Off		All Pumps On	
Actual Supply Voltage:	_____ V		_____ V	
Capacitor Values:	Run: _____ µf		Start: _____ µf	
Capacitor Voltage Rating				
Actual Capacitor Voltage:	Run: _____ V		Start: _____ V	
Full Load Amp Rating:	_____ A			
Actual Amp Readings:	U1 _____ A	U2 _____ A	Z2 _____ A	

Troubleshooting Check List

Name Tag Voltage _____V	All Pumps Off		All Pumps On	
Actual Supply Voltage:	_____ V		_____ V	
Capacitor Values:	Run: _____ µf		Start: _____ µf	
Capacitor Voltage Rating				
Actual Capacitor Voltage:	Run: _____ V		Start: _____ V	
Full Load Amp Rating:	_____ A			
Actual Amp Readings:	U1 _____ A	U2 _____ A	Z2 _____ A	