



WIRE SIZE SERVICE ENTRANCE GROUND LUG	
MAXIMUM WIRE SIZE	TIGHTENING TORQUE (in-lb)
#6 AWG	45
#1/0 AWG	50
#250MCM AWG	325

PRESSURE SYSTEM CONNECTION
1/2" NPT

* LINE TERMINALS – WIRE CAPACITY AND QUANTITY

MAXIMUM MOTOR HORSEPOWER					WIRE SIZE PER PHASE (75°C Cu)	TIGHTENING TORQUE (in-lb)
200–208V	220–240V	380–415V	440–480V	550–600V		
5–40	5–40	5–75	5–75	–	(1)#8–#1/0 AWG	120
50–60	50–75	100–125	100–150	–	(1)#2/0–#250MCM AWG	225
75–100	100–125	150	–	–	(1)#2/0–#500MCM AWG (2)#2/0–#250MCM AWG	375
125–150	150	–	–	–	(2)#2/0–#350MCM AWG	375
–	–	–	–	–	–	–
–	–	–	–	–	–	–

* MOTOR TERMINALS – WIRE CAPACITY AND QUANTITY

MAXIMUM MOTOR HORSEPOWER					WIRE SIZE PER PHASE (75°C Cu)	TIGHTENING TORQUE (in-lb)
200–208V	220–240V	380–415V	440–480V	550–600V		
5–40	5–50	5–75	5–100	–	(1)#6–#1 AWG	120
50–60	60–75	100–125	125–150	–	(1)#1/0–#3/0 AWG	200
75–125	100–125	150	–	–	(1)#4/0–#500MCM AWG	275
150	125–150	–	–	–	(2)#2/0–#350MCM AWG	275
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NOTES:

- * 1.) FOR CORRECT FIELD WIRE SIZING, REFER TO THE NATIONAL ELECTRICAL CODE, NFPA-70.
- 2.) MOTOR CONNECTIONS SHOWN ARE TYPICAL. SINCE MOTOR CONNECTIONS VARY WIDELY, REFER TO THE MOTOR MANUFACTURER'S CONNECTION DIAGRAM FOR SPECIFIC WIRING ARRANGEMENT.



REV: 08/30/18	DESCRIPTION: UPDATED WIRE CAPACITY AND WIRE SIZE TABLES.	DRAWN: DAMA	11-18-15	METRON A Division of Hubbell Industrial Controls, Inc. 4301 Cheyenne Drive, Archdale, NC 27263 USA
B		CHECK: DAMA	11-18-15	
FIELD CONNECTIONS, MODEL MPT400 PRIMARY RESISTANCE START ELECTRIC FIRE PUMP CONTROLLER WITH TRANSFER SWITCH				OPTIONS: HCMP400TS
SCALE: NTS			SHEET 2 OF 2	