



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	150–200	200–250	–	(1)#2/0–#500MCM AWG (2)#2/0–#250MCM AWG	375
125–150	150–200	250–300	300–400	–	(2)#2/0–#350MCM AWG	375
200–250	250	350–400	500	–	(3)#3/0–#400MCM AWG	375
–	300	–	600	–	(4)#4/0–#500MCM 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	150–200	200	–	(1)#4/0–#500MCM AWG	275
150–200	125–200	250–350	250–400	–	(2)#2/0–#350MCM AWG	275
250	250–300	400	500–600	–	(2)#250MCM–#500MCM AWG	500

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	DATE	BY	DESCRIPTION	DRAWN	DAMA	11-18-15
B	08/30/18	DAMA	UPDATED WIRE CAPACITY AND WIRE SIZE TABLES.	CHECK DAMA	APPD	11-18-15

FIELD CONNECTIONS, MODEL MPT450
AUTOTRANSFORMER CLOSED TRANSITION START
ELECTRIC FIRE PUMP CONTROLLER
WITH TRANSFER SWITCH

OPTIONS:
HCMPTF450TS

SCALE NTS SHEET 2 OF 2

METRON
A Division of
Hubbell Industrial Controls, Inc.
4301 Cheyenne Drive, Archdale, NC 27263 USA