



Mark IIx6 Electric FirePump Controllers

Field Connections

FTA1000

Across The Line Starting
Line & Motor Wire Terminal Capacity

LINE TERMINALS—WIRE CAPACITY AND QUANTITY (CU) ¹

MAXIMUM MOTOR HORSEPOWER						WIRE SIZE (CU) PER PHASE	WIRE SIZE SERVICE ENTRANCE GROUND LUG (CU) ²
200V	208V	220–240V	380–415V	440–480V	550–600V		
20	20	25	40	50	60	(1) #14 AWG—#1/0 AWG (1) 2.5 MM ² —50 MM ²	(2) #14 AWG—#2/0 AWG (2) 2.5 MM ² —70 MM ²
40	40	40	75	100	125	(1) #4 AWG—300 kcmil (1) 25 MM ² —150 MM ²	(2) #14 AWG—#2/0 AWG (2) 2.5 MM ² —70 MM ²
60	60	60	100	150	150	(1) #4 AWG—300 kcmil (1) 25 MM ² —150 MM ²	(2) #6 AWG—250 kcmil (2) 16 MM ² —120 MM ²
100	100	100	150	250	300	(1) 250 kcmil—500 kcmil (1) 120 MM ² —240 MM ²	(2) #6 AWG—250 kcmil (2) 16 MM ² —120 MM ²
---	125	125	200	---	---	(2) #3/0 AWG—250 kcmil (2) 95 MM ² —120 MM ²	(2) #6 AWG—250 kcmil (2) 16 MM ² —120 MM ²
200	200	250	350	500	---	(3) #2/0 AWG—400 kcmil (3) 70 MM ² —200 MM ²	(2) #6 AWG—250 kcmil (2) 16 MM ² —120 MM ²
250	250	300	500	600	---	(4) #4/0 AWG—500 kcmil (4) 100 MM ² —240 MM ²	(2) #6 AWG—250 kcmil (2) 16 MM ² —120 MM ²

MOTOR TERMINALS—WIRE CAPACITY AND QUANTITY (CU) ¹

MAXIMUM MOTOR HORSEPOWER						WIRE SIZE (CU) PER PHASE
200V	208V	220–240V	380–415V	440–480V	550–600V	
30	30	40	60	75	100	(1) #6 AWG—#2/0 AWG (1) 16 MM ² —70 MM ²
50	50	60	75	125	150	(1) #6 AWG—250 kcmil (1) 16 MM ² —120 MM ²
75	75	100	150	200	250	(1) #4 AWG—400 kcmil (1) 25 MM ² —200 MM ²
100	100	---	---	250	300	(2) #4 AWG—500 kcmil (2) 25 MM ² —240 MM ²
200	200	200	350	500	---	(2) 250 kcmil—500 kcmil (2) 120 MM ² —240 MM ²
250	250	300	500	600	---	(3) #2/0 AWG—500 kcmil (3) 70 MM ² —240 MM ²

¹ FOR CORRECT WIRE SIZING, REFER TO
NATIONAL ELECTRICAL CODE, NFPA 70.

² WHEN REQUIRED BY AUTHORITY HAVING
JURISDICTION.

	SIZE A	BY	DATE	UPDATED LINE TERMINAL HP / VOLTAGE CHART CHANGED TO XT4 BREAKERS				D	270091	TEF	TEF	11/19/17
	DRAWN BY	JC	02-13-12	REVISION DESCRIPTION				REV	ECN NO	BY	APP	DATE
	FINAL APPROVAL	TEF	02-13-12	FIELD CONNECTIONS				FTA1000				DRAWING NUMBER
					FULL VOLTAGE FIRE PUMP CONTROLLER				FC1000-51			
				LINE AND MOTOR FIELD WIRE TERMINAL CAPACITY				DWG REV	E	ECN NO	280404	SHEET 1 OF 1



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