

LINE TERMINALS—WIRE CAPACITY AND QUANTITY (CU) 1

MAXIMUM MOTOR HORSEPOWER						WIRE SIZE (CU) PER PHASE	WIRE SIZE SERVICE ENTRANCE GROUND LUG (CU) <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">2</span>
200V	208V	220-240V	380-415V	440-480V	550-600V		
25	25	30	50	60	75	(1) #14 AWG—#1/0 AWG (1) 2.5 MM <sup>2</sup> —50 MM <sup>2</sup>	(2) #14 AWG—#2/0 AWG (2) 2.5 MM <sup>2</sup> —70 MM <sup>2</sup>
30	30	40	60	75	100	(1) #2 AWG—#4/0 AWG (1) 35 MM <sup>2</sup> —100 MM <sup>2</sup>	(2) #14 AWG—#2/0 AWG (2) 2.5 MM <sup>2</sup> —70 MM <sup>2</sup>
50	50	60	100	125	---	(1) #4 AWG—300 kcmil (1) 25 MM <sup>2</sup> —150 MM <sup>2</sup>	(2) #14 AWG—#2/0 AWG (2) 2.5 MM <sup>2</sup> —70 MM <sup>2</sup>
60	60	---	---	150	150	(1) #6 AWG—350 kcmil (1) 16 MM <sup>2</sup> —185 MM <sup>2</sup>	(2) #6 AWG—250 kcmil (2) 16 MM <sup>2</sup> —120 MM <sup>2</sup>
100	100	100	150	250	300	(1) 250 kcmil—500 kcmil (1) 120 MM <sup>2</sup> —240 MM <sup>2</sup>	(2) #6 AWG—250 kcmil (2) 16 MM <sup>2</sup> —120 MM <sup>2</sup>
---	125	125	200	---	---	(2) #3/0 AWG—250 kcmil (2) 95 MM <sup>2</sup> —120 MM <sup>2</sup>	(2) #6 AWG—250 kcmil (2) 16 MM <sup>2</sup> —120 MM <sup>2</sup>
200	200	250	350	500	---	(3) #2/0 AWG—400 kcmil (3) 70 MM <sup>2</sup> —200 MM <sup>2</sup>	(2) #6 AWG—250 kcmil (2) 16 MM <sup>2</sup> —120 MM <sup>2</sup>
250	250	300	500	600	---	(4) #4/0 AWG—500 kcmil (4) 100 MM <sup>2</sup> —240 MM <sup>2</sup>	(2) #6 AWG—250 kcmil (2) 16 MM <sup>2</sup> —120 MM <sup>2</sup>

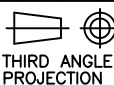

MOTOR TERMINALS—WIRE CAPACITY AND QUANTITY (CU) 1

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 <sup>2</sup> —70 MM <sup>2</sup>
50	50	60	75	125	150	(1) #6 AWG—250 kcmil (1) 16 MM <sup>2</sup> —120 MM <sup>2</sup>
75	75	100	150	200	250	(1) #4 AWG—400 kcmil (1) 25 MM <sup>2</sup> —200 MM <sup>2</sup>
100	100	---	---	250	300	(2) #4 AWG—500 kcmil (2) 25 MM <sup>2</sup> —240 MM <sup>2</sup>
200	200	200	350	500	---	(2) 250 kcmil—500 kcmil (2) 120 MM <sup>2</sup> —240 MM <sup>2</sup>
250	250	300	500	600	---	(3) #2/0 AWG—500 kcmil (3) 70 MM <sup>2</sup> —240 MM <sup>2</sup>

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

2 WHEN REQUIRED BY AUTHORITY HAVING JURISDICTION.



UPDATED LINE TERMINAL HP / VOLTAGE CHART				C	235649	JC	TEF	02/13/12	
SEE ECN				B	228839	TEF	TEF	09/02/10	
UPDATED LOGO AND TITLE BLOCK				A	226994	JC	TEF	12/08/09	
PROJECT NAME:				REV. TO	ECN NO.	BY	APP.	DATE	
FIELD CONNECTIONS				FTA1500				 THIRD ANGLE PROJECTION	
PRIMARY RESISTOR FIRE PUMP CONTROLLER LINE AND MOTOR FIELD WIRE TERMINAL CAPACITY									
BY	DATE	MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE MP-1-003. FOR PLASTIC PARTS SEE MP-1-055			COMPUTER GENERATED DRAWING				
DRAWN BY	TEF	05-06-02	ASSEM. REF. NO.			SCALE	1:1	SIZE	A
CHECKED			PROPERTY OF ASCO POWER TECHNOLOGIES. USE PERMITTED FOR OUR WORK ONLY. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.			DWG. NO.			
PROJECT APPROVAL			 ASCO POWER TECHNOLOGIES, L.P. FLORHAM PARK, NEW JERSEY 07932 U.S.A.			FC1500-51			
FINAL APPROVAL	TEF	05-06-02				DRAWING REV.	C	ECN NO.	235649