

ABB BALDOR RELIANCE III

Customer information packet

FPM2558TS-4

150/125HP, 60//50HZ, 4PL, 3PH, 445TS, OPEN

Class - None

Division - Not Applicable

Specifications

Enclosure	DP
Frame	444TS
Frame Material	Iron
Frequency	50.00 Hz 60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	150.000 HP @ 60 HZ 125.000 HP @ 50 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	380.0 V @ 50 HZ 460.0 V @ 60 HZ
Agency Approvals	CSA EEV CCSA US UL
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	167.000 A @ 460.0 V 169.000 A @ 380.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.0 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	167.0 a
Insulation Class	B
Inverter Code	Not Inverter

Part Detail

Revision	F
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG5440
Layout	617428-044
Eff. date	09-25-2025
CD Diagram	421948-079
Poles	04
Leads	12#4
Proprietary	False
Created date	09-15-2015

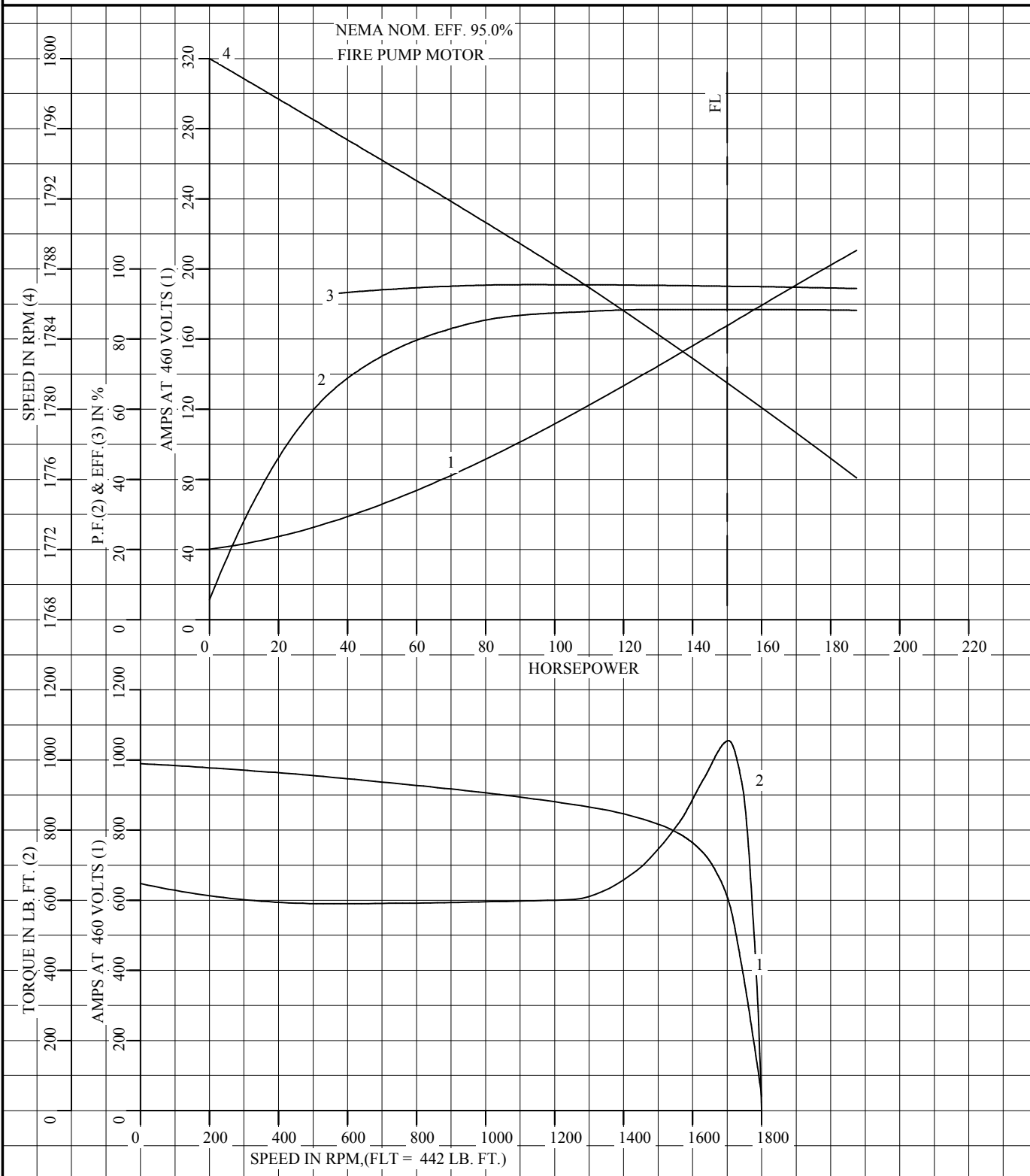
KVA Code	F
Lifting Lugs	No Lifting Lugs
Motor Lead Quantity/Wire Size	12 @ 4 AWG
Motor Standards	NEMA
Motor Type	A44054M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	35.88 IN
Power Factor	88
Product Family	Other
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1480 rpm
	1780 rpm
Speed Code	Single Speed
Starting Method	Wye Start - Delta Run
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP3488L																
CAT.NO.	FPM2558TS-4				CUST P/N				I.P.							
SPEC.	P44G1850				SER.NO.				FRAME				444TS			
HZ	60	HP	150		RPM	1780		HZ	50		HP	125		RPM	1480	
VOLTS	460				CODE	F		VOLTS	380				CODE	F		
AMPS	167				DES	B		AMPS	169				DES	B		
EFF	95	SER.F.		1.15		PF	88		EFF	94.3		SER.F.	1.15		PF	88
RATING	40C AMB-CONT					DE BRG	65BC03J30X					GREASE	POLYREX EM			
BLANK						ODE BRG	65BC03J30X					MTR. WT.				
						CLASS	F		PH	3						
						ENCL	DP		CC	010A						
HTR-VOLTS			HTR-AMPS			HTR-WATTS			MAX. SPACE HEATER TEMP.							

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	444T	150	P	3/60	1785	460
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
167	CONT	40/F	1.15	B	F	ODP
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
-	418143-36-VE	---	---	.0490		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY	
NO LOAD	0	40.4	1800	5.69	0	
1/4	37.6	56.4	1796	67.0	93.1	
2/4	75.0	87.4	1791	84.3	95.3	
3/4	112	125	1787	88.0	95.4	
4/4	150	167	1782	88.4	95.1	
5/4	188	211	1776	88.2	94.4	
SPEED TORQUE						
		RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES	
LOCKED ROTOR		0	146	648	990	
PULL UP		540	133	590	952	
BREAKDOWN		1705	239	1055	596	
FULL LOAD		1782	100	442	167	
AMPERES SHOWN FOR 460. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE REMARKS: CALCULATED DATA NEMA NOM. EFF. 95.0% FIRE PUMP MOTOR						
			DR. BY CD CK. BY T. KELATI APP. BY T. KELATI DATE 09/23/2015	A-C MOTOR PERFORMANCE DATA A44WG5440-R001 ISSUE DATE 09/23/20		

REL S.O.	RPM 1785	S.F. 1.15	ROTOR 418143-36-VE
FRAME 444T	VOLTS 460	NEMA DESIGN B	TEST S.O. CALCULATED DATA
HP 150	AMPS 167	CODE LETTER F	TEST DATE ---
TYPE P	DUTY CONT	ENCLOSURE ODP	STATOR RES. @ 25 °C .0490
PHASE/HERTZ 3/60	AMB °C/INSUL 40/F	E/S -	OHMS (BETWEEN LINES)



AMPERES SHOWN FOR 460 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

BALDOR
A MEMBER OF THE ABB GROUP

DR. BY CD
CK. BY T. KELATI
APP. BY T. KELATI
DATE 09/23/2015

**A-C MOTOR
PERFORMANCE
CURVES**

A44WG5440-R001
ISSUE DATE 09/23/2015

