

ABB BALDOR RELIANCE III

Customer information packet

FPM2566TS-4

250/200HP, 60//50HZ, 4PL, 3PH, 445TS, OPEN

Class - None

Division - Not Applicable

Specifications

Enclosure	DP
Frame	445TS
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	250.000 HP @ 60 HZ 200.000 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	UL CCSA US CSA EEV
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	272.000 A @ 460.0 V 265.000 A @ 380.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.4 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	265.0 a
Insulation Class	F
Inverter Code	Not Inverter

Part Detail

Revision	H
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG5466
Layout	617428-044
Eff. date	09-25-2025
CD Diagram	421948-079
Poles	04
Leads	12#4
Proprietary	False
Created date	12-17-2015

KVA Code	F
Lifting Lugs	No Lifting Lugs
Motor Lead Quantity/Wire Size	12 @ 4 AWG
Motor Standards	NEMA
Motor Type	A44072M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	35.88 IN
Power Factor	90
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	1475 rpm
	1770 rpm
Speed Code	Single Speed
Starting Method	Wye Start - Delta Run
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP3488L													
CAT.NO.	FPM2566TS-4				CUST P/N					I.P.			
SPEC.	P44G1854				SER.NO.					FRAME	445TS		
HZ	60	HP	250		RPM	1770		HZ	50		HP	200	
												RPM	1475
VOLTS	460				CODE	F		VOLTS	380				
												CODE	F
AMPS	272				DES	B		AMPS	265				
												DES	B
EFF	95.4				SER.F.	1.15		PF	90				
												SER.F.	1.15
												PF	90
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
	445TS	250	P	3/60	1770	460
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
272	CONT	40/F	1.15	B	F	PROT
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
---	418143052EE	---	---	.0232		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY	
NO LOAD	0	58.6	1800	4.08	0	
1/4	62.7	86.3	1794	71.4	95.2	
2/4	125	139	1788	87.4	96.3	
3/4	187	203	1781	90.1	96.0	
4/4	250	272	1774	90.2	95.4	
5/4	312	343	1766	90.1	94.6	
SPEED TORQUE						
		RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES	
LOCKED ROTOR		0	142	1051	1701	
PULL UP		220	126	928	1632	
BREAKDOWN		1687	269	1991	1029	
FULL LOAD		1774	100	739	272	
AMPERES SHOWN FOR 460. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE						
REMARKS: CALCULATED DATA EMASTER-NEMA NOM. EFF. 95.4 PCT. GUARANTEED MIN. EFF. 94.5 PCT.						
		DR. BY E.J.CHRISTIAN		A-C MOTOR PERFORMANCE DATA A44WG5466-R001 ISSUE DATE 12/06/16		
		CK. BY T.G.KELATI				
		APP. BY T.G.KELATI				
		DATE 12/06/16				

REL S.O.

 RPM **1770**

 S.F. **1.15**

 ROTOR **418143052EE**

 FRAME **445TS**

 VOLTS **460**

 NEMA DESIGN **B**

 TEST S.O. **CALCULATED DATA**

 HP **250**

 AMPS **272**

 CODE LETTER **F**

 TEST DATE **---**

 TYPE **P**

 DUTY **CONT**

 ENCLOSURE **PROT**

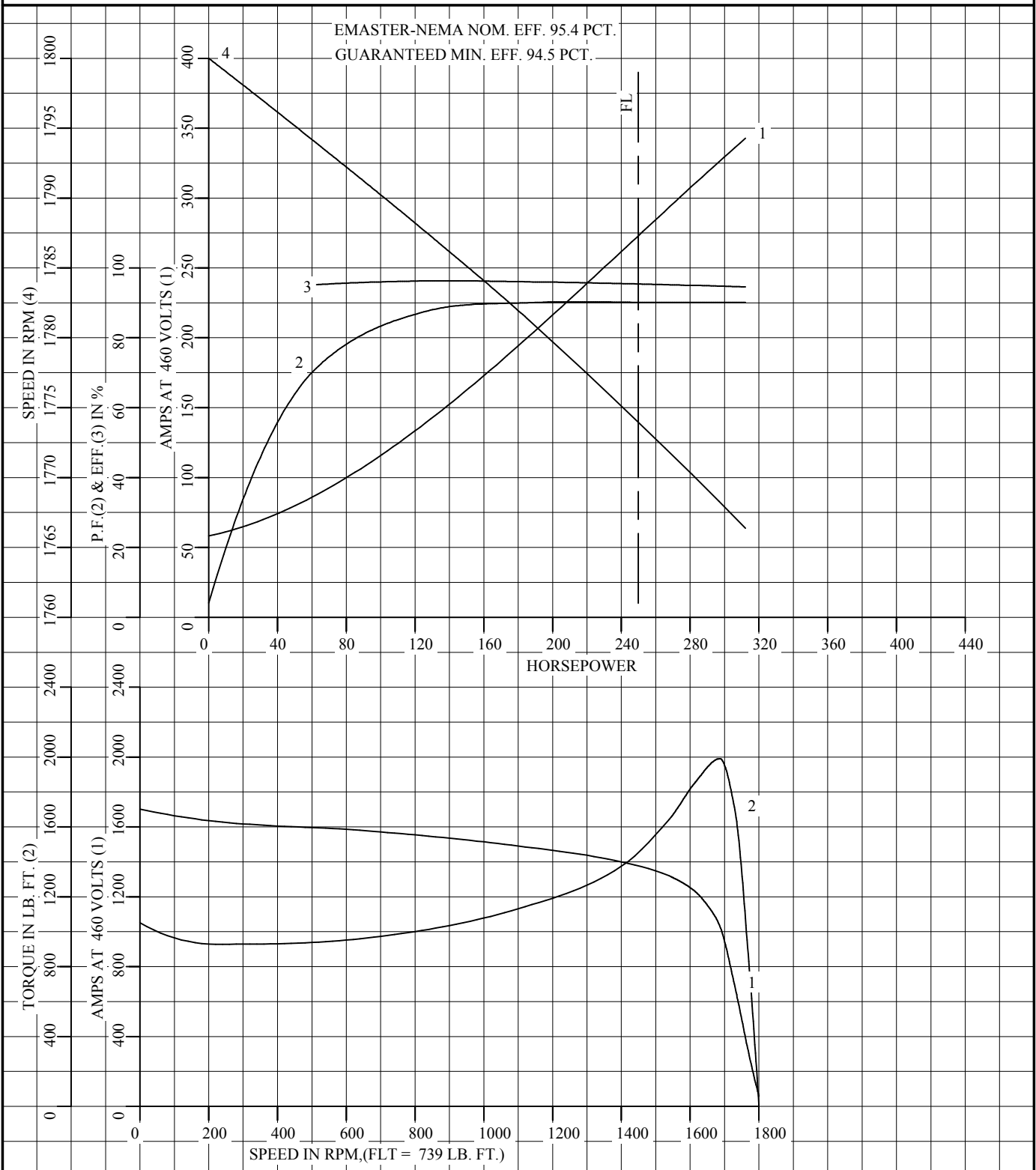
 STATOR RES. @ 25 °C **.0232**

 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 EJCHRISTIAN
CK. BY T.G.KELATI
APP. BY T.G.KELATI
DATE 12/06/16

**A-C MOTOR
PERFORMANCE
CURVES**

A44WG5466-R001

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