

ABB BALDOR RELIANCE III

Customer information packet

FPM2568T-4

300/250HP, 60//50HZ, 2PL, 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	300.000 HP @ 60 HZ 250.000 HP @ 50 HZ
Phase	3
Synchronous Speed @ Frequency	3600 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	339.000 A @ 460.0 V 342.000 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	339.0 a
Insulation Class	F
Inverter Code	Not Inverter

Part Detail

Revision	F
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG5468
Layout	617428-044
Eff. date	09-25-2025
CD Diagram	421948-079
Poles	02
Leads	12#2
Proprietary	False
Created date	12-18-2015

KVA Code	F
Lifting Lugs	No Lifting Lugs
Motor Lead Quantity/Wire Size	12 @ 2 AWG
Motor Standards	NEMA
Motor Type	A44072M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	35.88 IN
Power Factor	87
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	2960 rpm
	3560 rpm
Speed Code	Single Speed
Starting Method	Wye Start - Delta Run
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP3488L																
CAT.NO.	FPM2568T-4				CUST P/N					I.P.						
SPEC.	P44G1855				SER.NO.					FRAME		445TS				
HZ	60	HP	300		RPM	3560		HZ	50		HP	250		RPM	2960	
VOLTS	460				CODE	F		VOLTS	380				CODE	F		
AMPS	339				DES	B		AMPS	342				DES	B		
EFF	95	SER.F.		1.15		PF	87		EFF	94.7		SER.F.	1.15		PF	87
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.							

ABB BALDOR RELIANCE III S/O		CUSTOMER INFORMATION PACKET FPM2568T-4 - 300/250HP, 60//50HZ, 2PL, 3PH, 445TS, OPEN				
	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	445T	300	P	3/60	3560	460
AMPS	DUTY	AMB °C/ INSUL	S.F.	NEMA DESIGN	CODE LETTER	ENCLOSURE
339	CONT	40/F	1.15	B	F	PRXE
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
-	418143013XE	---	---	.0144		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY	
NO LOAD	0	97.1	3600	5.28	0	
1/4	75.1	127	3590	59.6	92.5	
2/4	150	187	3581	79.0	95.0	
3/4	225	259	3571	85.4	95.3	
4/4	300	339	3560	87.1	95.1	
5/4	375	422	3549	87.9	94.5	
SPEED TORQUE						
		RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES	
LOCKED ROTOR		0	192	848	2062	
PULL UP		2735	148	657	1611	
BREAKDOWN		3422	250	1106	1170	
FULL LOAD		3560	100	443	339	
AMPERES SHOWN FOR 460 VOLT CONNECTION. IF OTHER CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.						
CALCULATED DATA NEMA NOM. EFF. 95.0 PCT.						
		DRAWN BY: <u>CD</u> CHECKED BY: <u>T. KELATI</u> APPROVED BY: <u>T. KELATI</u> DATE: <u>12/17/2015</u>		AC MOTOR PERFORMANCE DATA		A44WG5468-R001 DATE ISSUED 12/17/20

FRAME 445T

RPM 3550

S.F. 1.15

ROTOR 418143015XE

HP 300

VOLTS 460

NEMA DESIGN B

TEST S.O. CALCULATED DATA

TYPE P

AMPS 339

CODE LETTER F

TEST DATE ---

PHASE / HERTZ 3/60

DUTY CONT

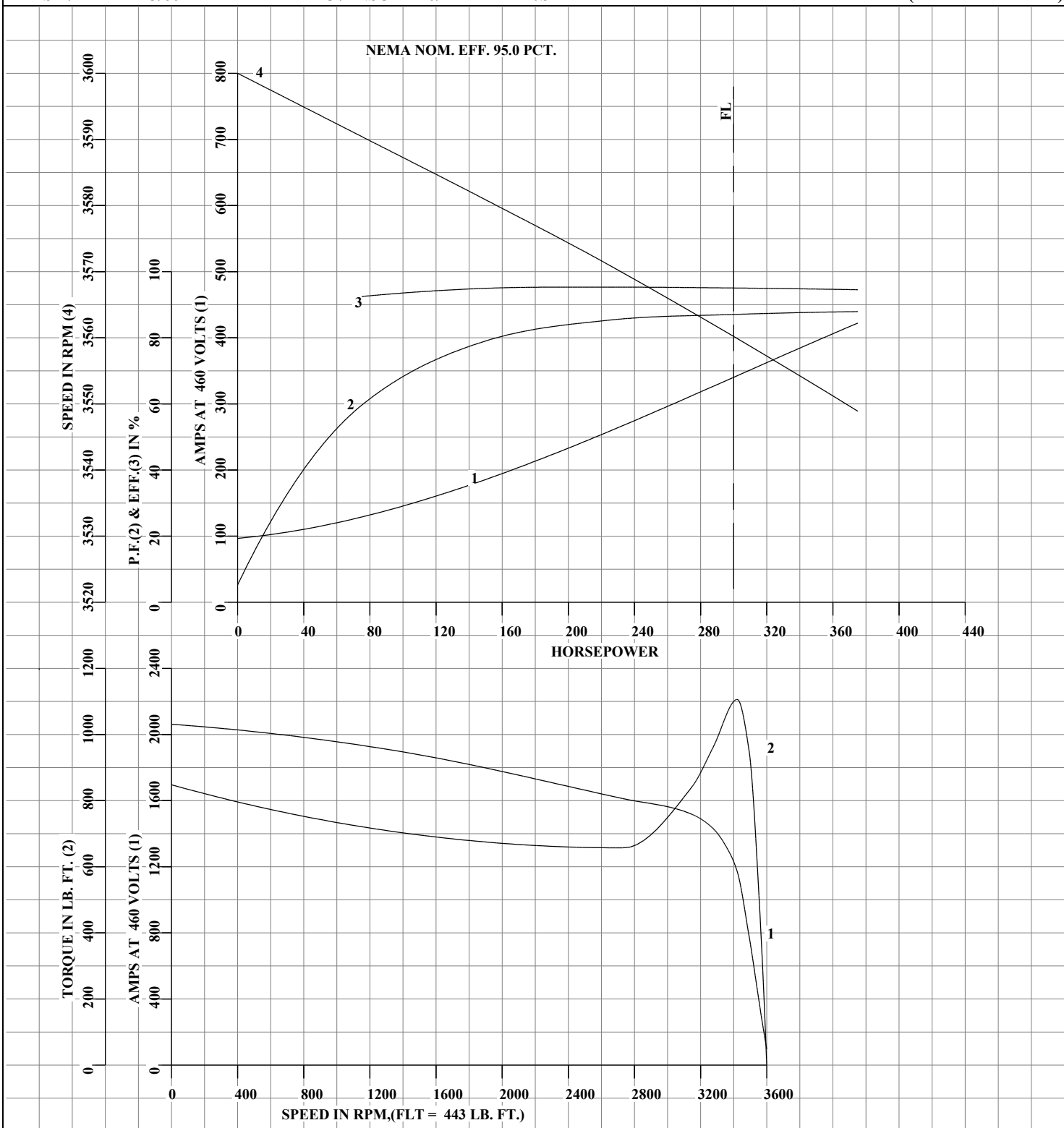
ENCLOSURE PRXE

STATOR RES. @ 25°C .0144

AMB °C / INSUL 40/F

E/S -

OHMS (BETWEEN LINES)



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AC MOTOR
PERFORMANCE
DATA

A44WG5468-R001

ISSUE DATE 12/17/2015

FRAME 445T

RPM 3500

S.F. 1:15

ROTOR 418143015XE

HP 300

VOLTS 460

NEMA DESIGN B

TEST S.O. CALCULATED DATA

TYPE P

AMPS 339

CODE LETTER F

TEST DATE ---

PHASE / HERTZ 3/60

DUTY CONT

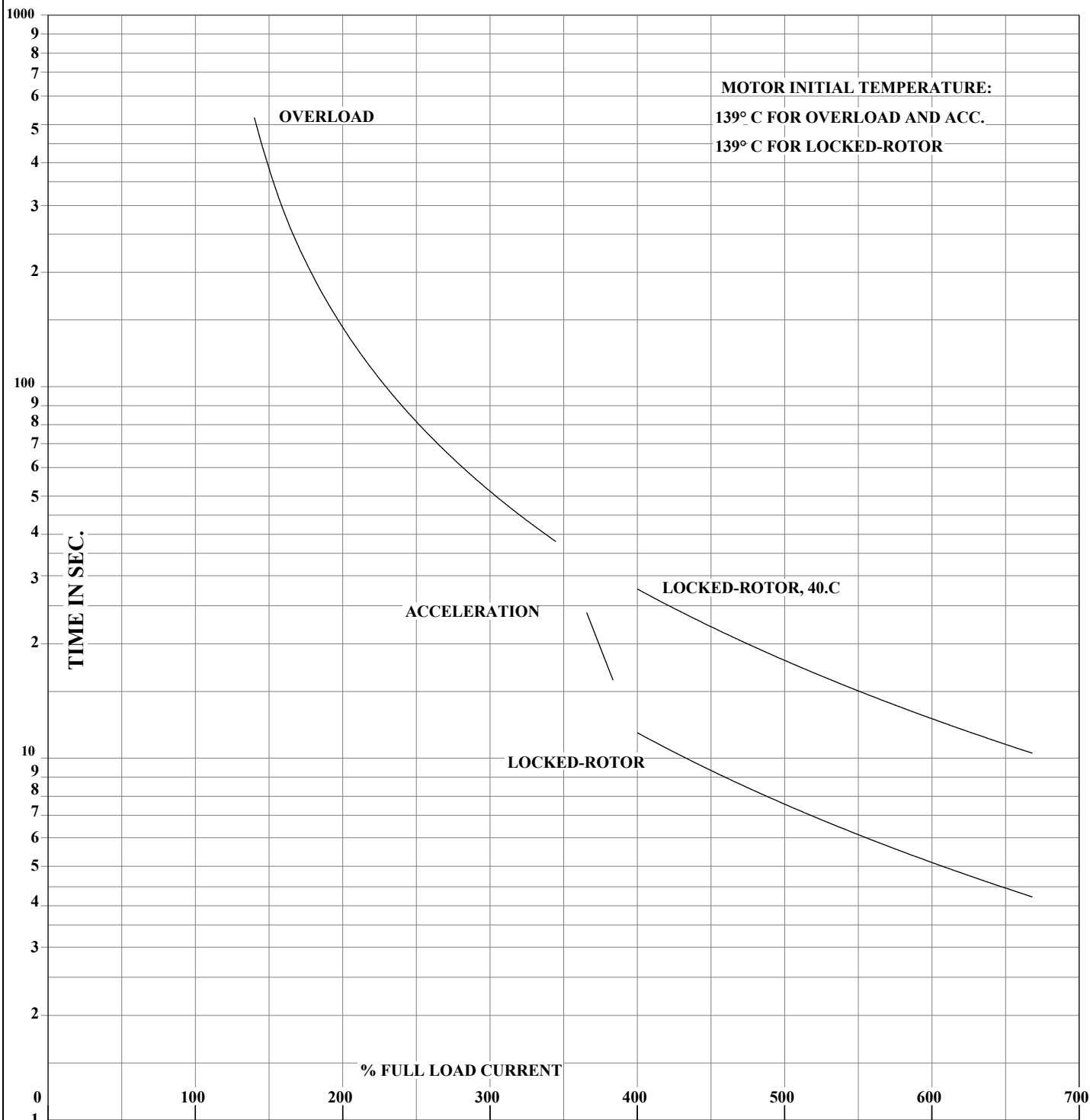
ENCLOSURE PRXE

STATOR RES. @ 25°C .0144

AMB °C / INSUL 40/F

E/S -

OHMS (BETWEEN LINES)



THERMAL LIMIT CURVE
NEMA NOM. EFF. 95.0 PCT.

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