



Customer information packet

JMEWDM4313T

75HP, 3555RPM, 3PH, 60HZ, 365TCZ, TEFC, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	365TCZ
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	75.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 460.0 V @ 60 HZ
Agency Approvals	CSA EEV CCSA US
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	161.000 A @ 230.0 V 80.700 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	94.5 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	80.7 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	NONE
KVA Code	G
Lifting Lugs	Standard Lifting Lugs

Part detail

Revision	B
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG0319
Layout	617436-346
Eff. date	08-30-2023
CD Diagram	416820-002
Poles	02
Leads	3#2,6#4
Proprietary	False
Created date	10-01-2019

Motor Lead Quantity/Wire Size	3 @ 2 AWG
Motor Standards	NEMA
Motor Type	A36068M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	33.11 IN
Power Factor	92
Product Family	Washdown Features
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Service Factor	1.15
Shaft Diameter	1.249 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	3555 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

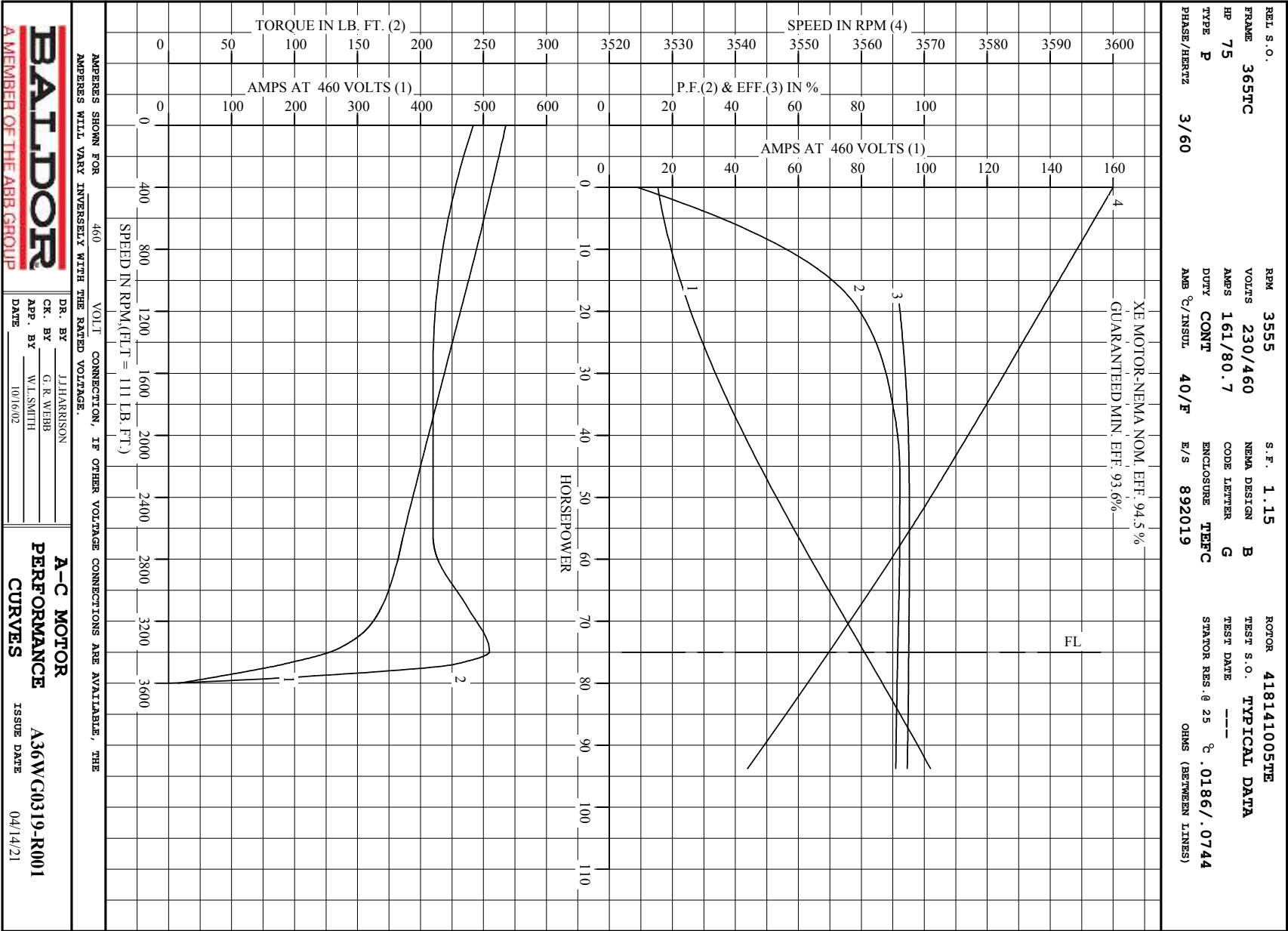
Nameplate

NP2496L	
MOBIL POLYREX EM	

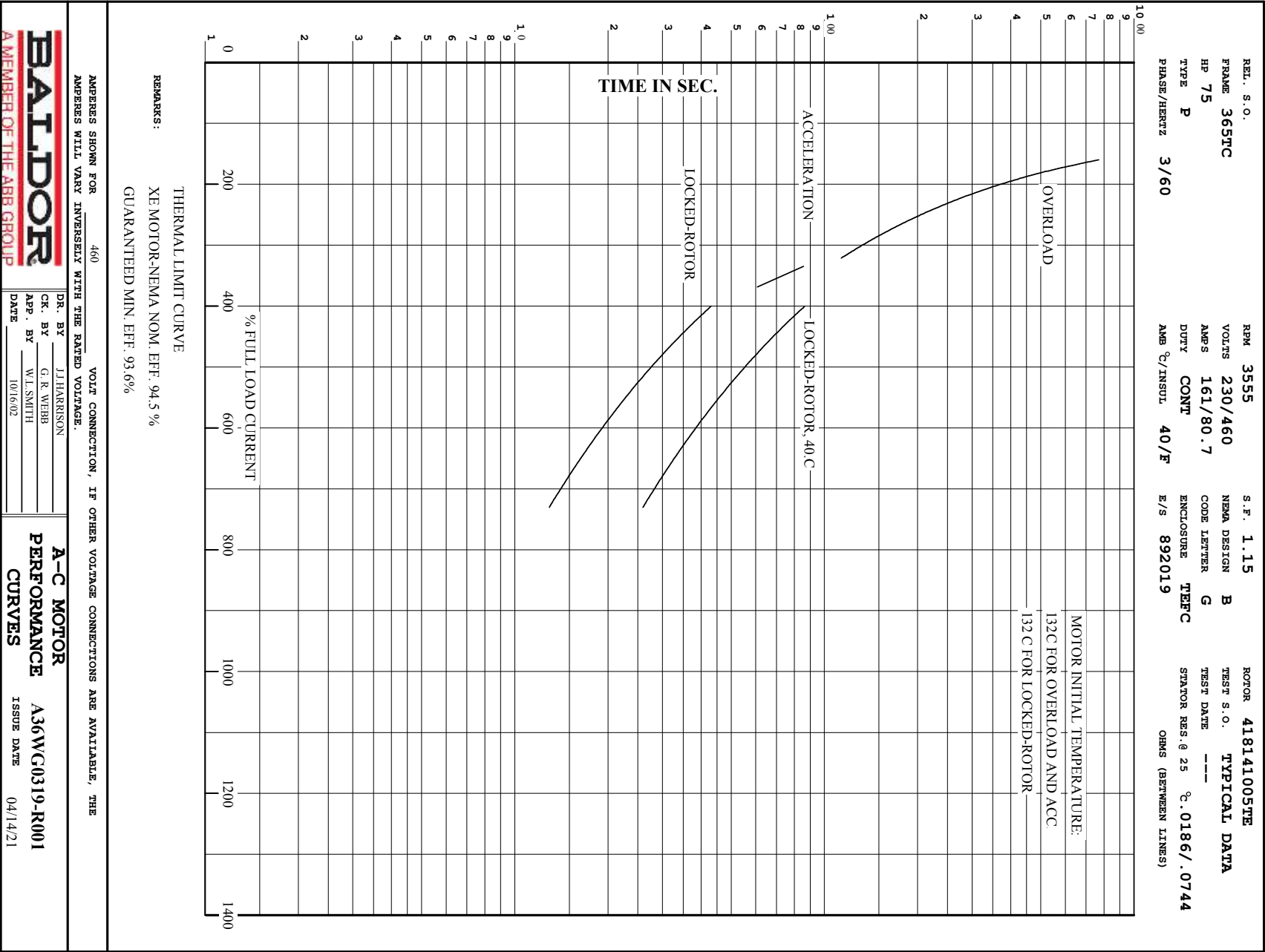
NP2428L

SPEC NO.	A36-7832-0319			CAT.NO.	JMEWDM4313T					FRAME	365TCZ	
HP	75	VOLTS	230/460		PHASE	3	DESIGN	B	TYPE	P		
RPM	3555	AMPS	161/80.7		HZ	60	AMB	40	SF	1.15		
DRIVE END BEARING	65BC03JGG30A		DUTY	CONT	INSUL.CLASS			F				
OPP D.E. BEARING	65BC03JGG30A		ENCL	TEFC	CODE	G						
SER.NO.				POWER FACTOR	92	NEMA-NOM-EFFICIENCY					94.5	
						MAX CORR KVAR	5	GUARANTEED EFFICIENCY				93.6
	IP55					NEMA NOM/CSA QUOTED EFF						
	4:1CT AND 4:1VT ON VPWM INVERT					ER, 1.00SF			MOTOR WEIGHT			

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	365TC	75	P	3/60	3555	230/460
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
161/80.7	CONT	40/F	1.15	B	G	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
892019	418141005TE	---	---	.0186/.0744		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY	
NO LOAD	0	15.5	3600	8.92	0	
1/4	18.8	24.5	3589	77.9	92.0	
2/4	37.5	40.8	3578	90.8	94.8	
3/4	56.2	60.0	3567	92.2	95.3	
4/4	75.0	80.7	3555	91.6	95.1	
5/4	93.8	102	3542	90.9	94.6	
SPEED TORQUE						
	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES		
LOCKED ROTOR	0	218	242	536		
PULL UP	1565	190	210	440		
BREAKDOWN	3395	230	255	259		
FULL LOAD	3555	100	111	80.7		
AMPERES SHOWN FOR 460. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE						
REMARKS: TYPICAL DATA XE MOTOR-NEMA NOM. EFF. 94.5 % GUARANTEED MIN. EFF. 93.6%						
BALDOR			A-C MOTOR PERFORMANCE DATA			
DR. BY J. J. HARRISON CR. BY G. R. WEBB APP. BY W. L. SMITH DATE 10/16/02			A36WG0319-R001 ISSUE DATE 04/14/21			
A MEMBER OF THE ABB GROUP						



Printed on 4/14/21 12:19 @ bengap01.baldor.com



DUTY MASTER ALTERNATING CURRENT MOTORS SQUIRREL-CAGE INDUCTION

617436-346

ENCLOSURE: TOTALLY ENCLOSED

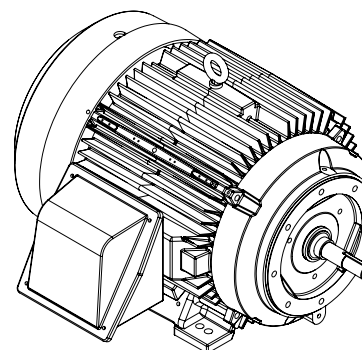
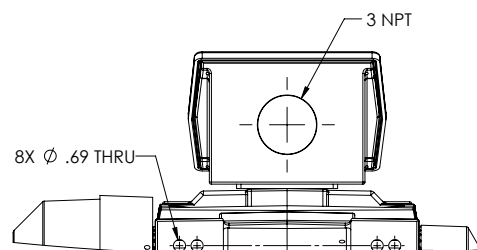
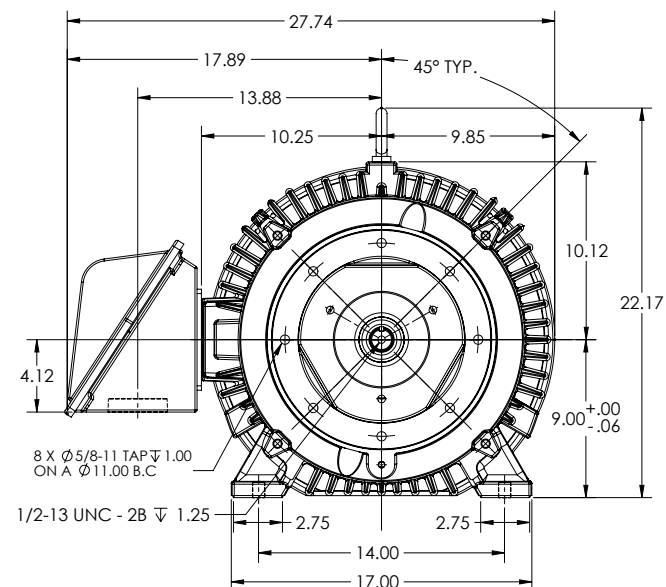
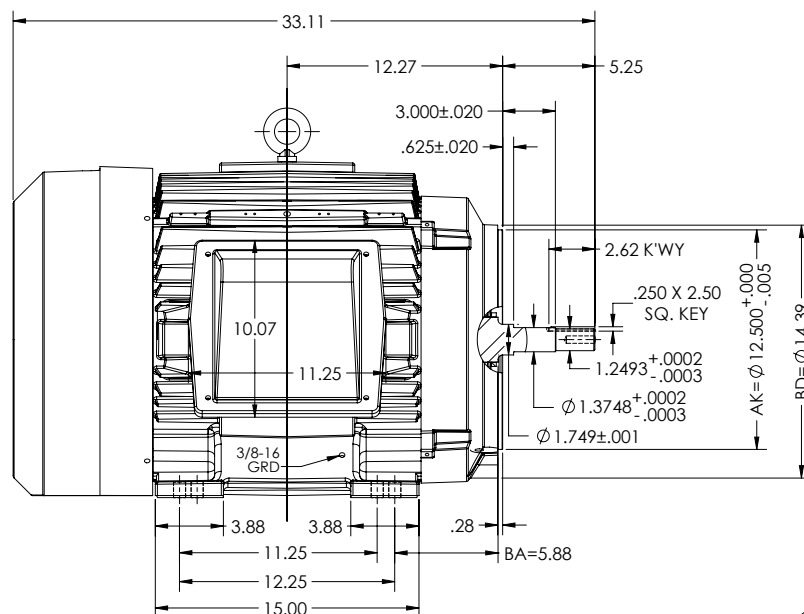
 FRAME 365TCZ
 INCLUDES 364TCZ FRAME MOUNTING HOLES

COOLING: FAN COOLED

MOUNTING: FOOT, C-FACE, F-1 SIDE

326JM D.E. SHAFT EXT. PER 14LYP021

ENCLOSURE ENHANCEMENT: SEVERE DUTY



FACE RUNOUT & ECCENTRICITY .007 MAX T.I.R

 IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.
 MAXIMUM PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF
 STANDARD SHAFT EXTENSION IS .003" T.I.R.

DIMENSIONS ARE IN INCHES

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

REV. DESC: NEW LAYOUT	VERSION: 00	REVISED: 09-14-39 09/30/2019	TDR: 000001121139
MODEL NO. 617436-346	BY: USTBEE		

BALDOR

E365TCZ TEFC FT - F1 - SHAFT 326JM PER 14LYP021

617436-346

416820-002

A-C MOTOR
CONNECTION DIAGRAM
STANDARD 9 LEAD DELTA-CONNECTED



(N.P. 1575-B)

REV. DESC: FONT CHANGE FOR PDF SEARCHABLE		
REV. LTR: A	VERSION: 01	TDR: 000001009382
FILE: \MGA\00000\661	REVISED: 02:46:19 02/13/2020	BY: MGHMTT
MTL: —	©	

BALDOR - RELIANCE®

CONN DIAG — STANDARD 9 LEAD, DELTA-CONNECTED
SH 1 of 1

416820-002