



Customer information packet

JMEWDM4310T

60HP, 3560RPM, 3PH, 60HZ, 364TCZ, TEFC, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	364TCZ
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	60.000 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	132.000 A @ 230.0 V 66.100 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	93.6 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	66.1 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	NONE
KVA Code	G
Lifting Lugs	Standard Lifting Lugs

Part detail

Revision	A
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG1558
Layout	617436-346
Eff. date	10-01-2021
CD Diagram	416820-002
Poles	02
Leads	3#4,6#6
Proprietary	False
Created date	10-01-2019

Motor Lead Quantity/Wire Size	3 @ 4 AWG
Motor Standards	NEMA
Motor Type	A36056M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	33.11 IN
Power Factor	91
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	3560 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

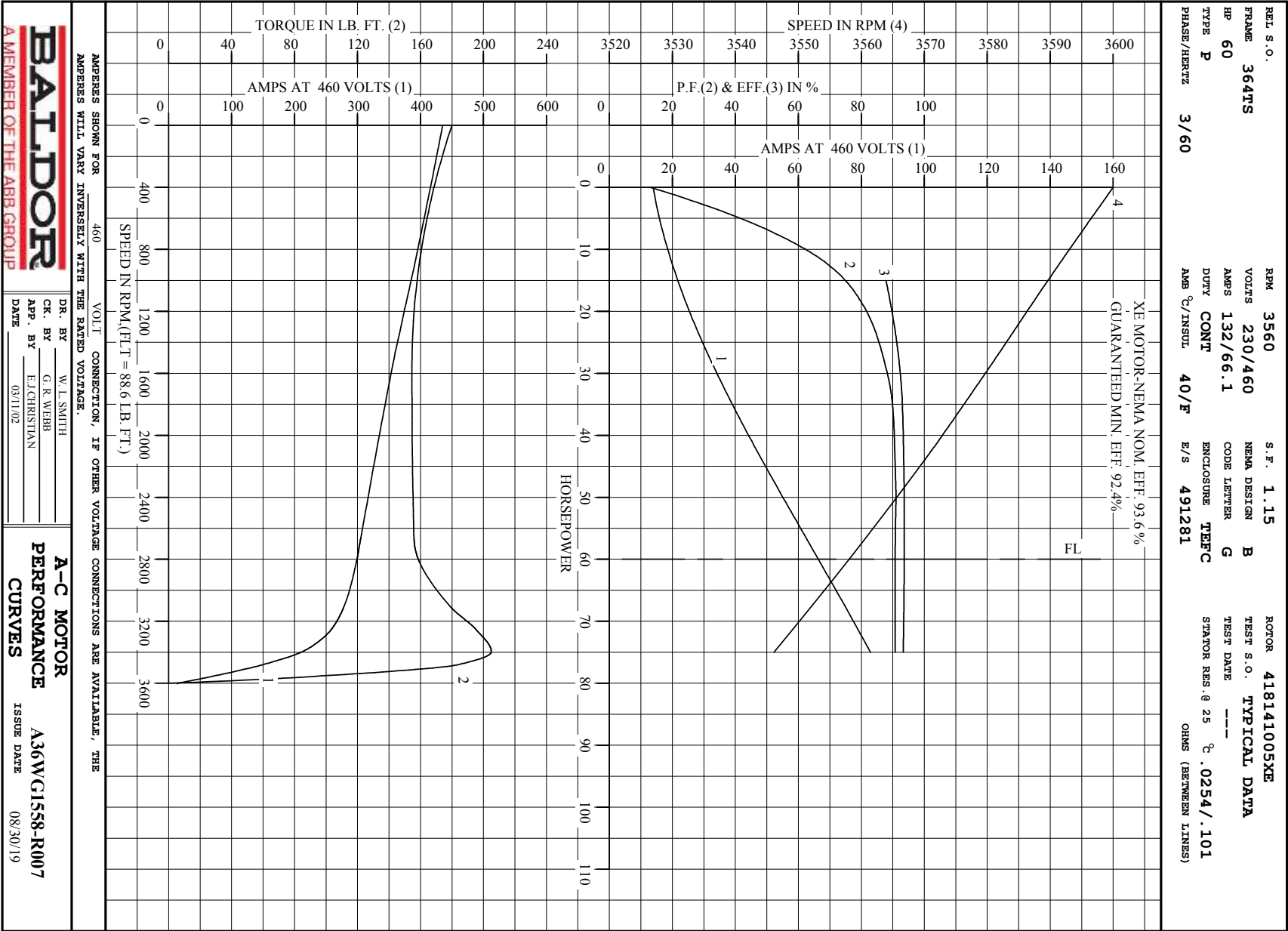
Nameplate

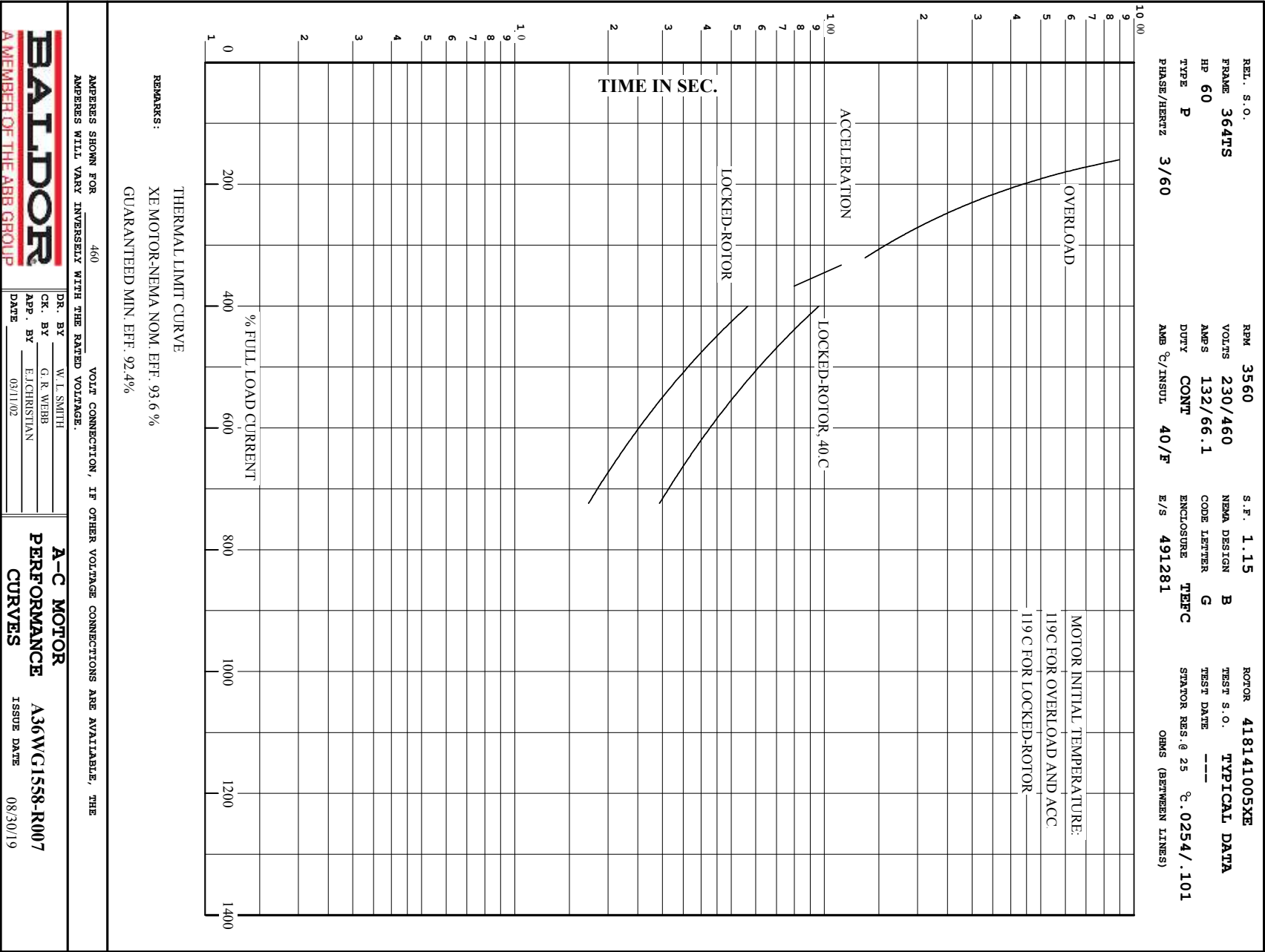
NP2496L	
MOBIL POLYREX EM	

NP2428L

SPEC NO.	A36-7819-1558			CAT.NO.	JMEWDM4310T					FRAME	364TCZ	
HP	60	VOLTS	230/460		PHASE	3	DESIGN	B	TYPE	P		
RPM	3560	AMPS	132/66.1		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			91	NEMA-NOM-EFFICIENCY				93.6	
						MAX CORR KVAR			5	GUARANTEED EFFICIENCY		92.4
	IP55					NEMA NOM/CSA QUOTED EFF						
	10:1CT AND 10:1VT ON VPWM INVE					RTER, 1.00SF			MOTOR WEIGHT		901	

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	364TS	60	P	3/60	3560	230/460
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
132/66.1	CONT	40/F	1.15	B	G	TEFC
E/S	ROTOR		TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)	
491281	418141005XE		---	---	.0254/.101	
PERFORMANCE						
LOAD	HP	AMPERES	RPM	POWER % FACTOR	EFFICIENCY %	
NO LOAD	0	14.0	3600	13.0	0	
1/4	15.0	21.3	3590	74.9	87.8	
2/4	30.0	34.5	3580	88.3	92.4	
3/4	45.0	49.7	3569	90.8	93.5	
4/4	60.0	66.1	3558	90.8	93.6	
5/4	75.0	83.0	3546	90.7	93.3	
SPEED TORQUE						
		RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES	
LOCKED ROTOR	0	203	180	435		
PULL UP	1565	175	155	355		
BREAKDOWN	3397	231	205	212		
FULL LOAD	3558	100	88.6	66.1		
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. 93.6 % GUARANTEED MIN. EFF. 92.4%						
BALDOR				A-C MOTOR PERFORMANCE DATA		
DR. BY W. L. SMITH CR. BY G. R. WEBB APP. BY E. J. CHRISTIAN DATE 03/11/02				A36WG1558-R007 ISSUE DATE 08/30/19		
A MEMBER OF THE ABB GROUP						





DUTY MASTER ALTERNATING CURRENT MOTORS SQUIRREL-CAGE INDUCTION

617436-346

ENCLOSURE: TOTALLY ENCLOSED

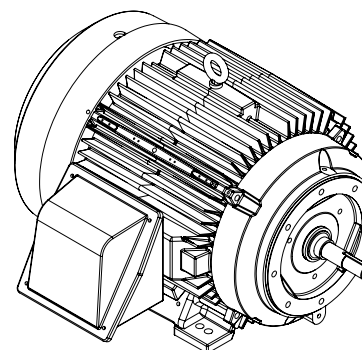
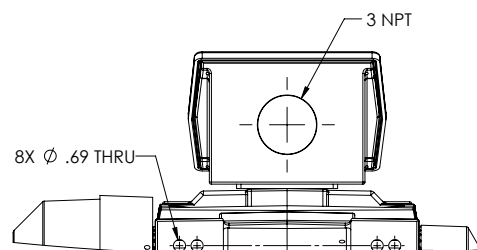
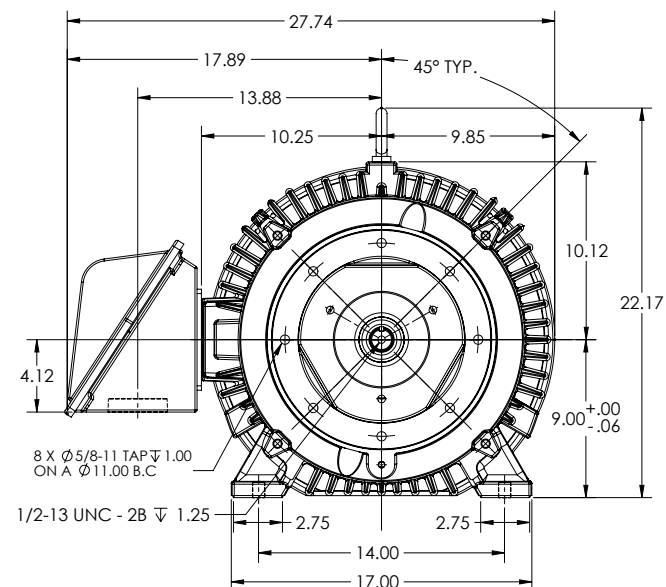
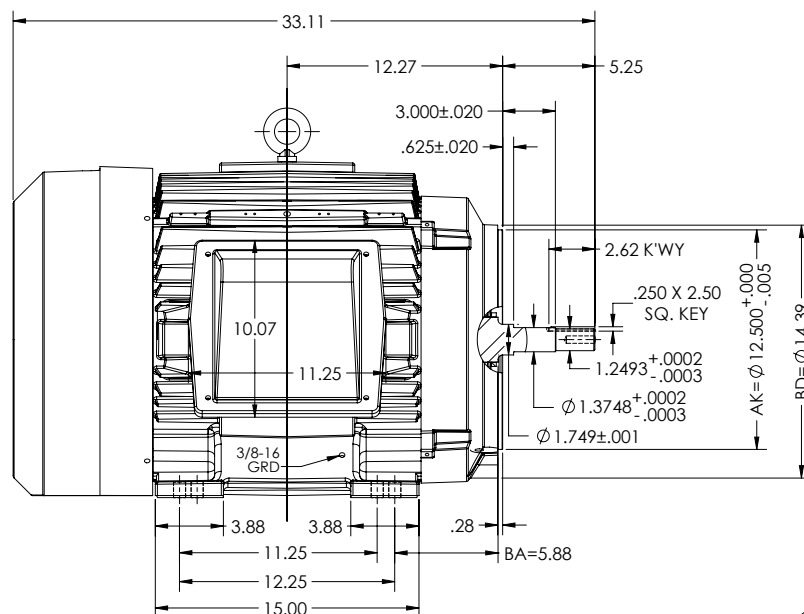
 FRAME 365TCZ
 INCLUDES 364TCZ FRAME MOUNTING HOLES

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