



Customer information packet

EWDM4338T

30HP, 890RPM, 3PH, 60HZ, 364T, A36050M, TEFC, F

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	364T
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	30.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	900 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	80.000 A @ 230.0 V 40.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	91.7 %
Enclosure Modification	Severe Duty Features
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	40.0 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	IP55
KVA Code	G

Part detail

Revision	A
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG0999
Layout	617428-593
Eff. date	12-09-2021
CD Diagram	416820-002
Poles	08
Leads	3#6,6#8
Proprietary	False
Created date	08-20-2019

Lifting Lugs	Standard Lifting Lugs
Motor Lead Quantity/Wire Size	3 @ 6 AWG
Motor Standards	NEMA
Motor Type	A36050M
Mounting Arrangement	F1
Number of Poles	8
Overall Length	33.48 IN
Power Factor	77
Product Family	Washdown Features
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft Diameter	2.374 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	890 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

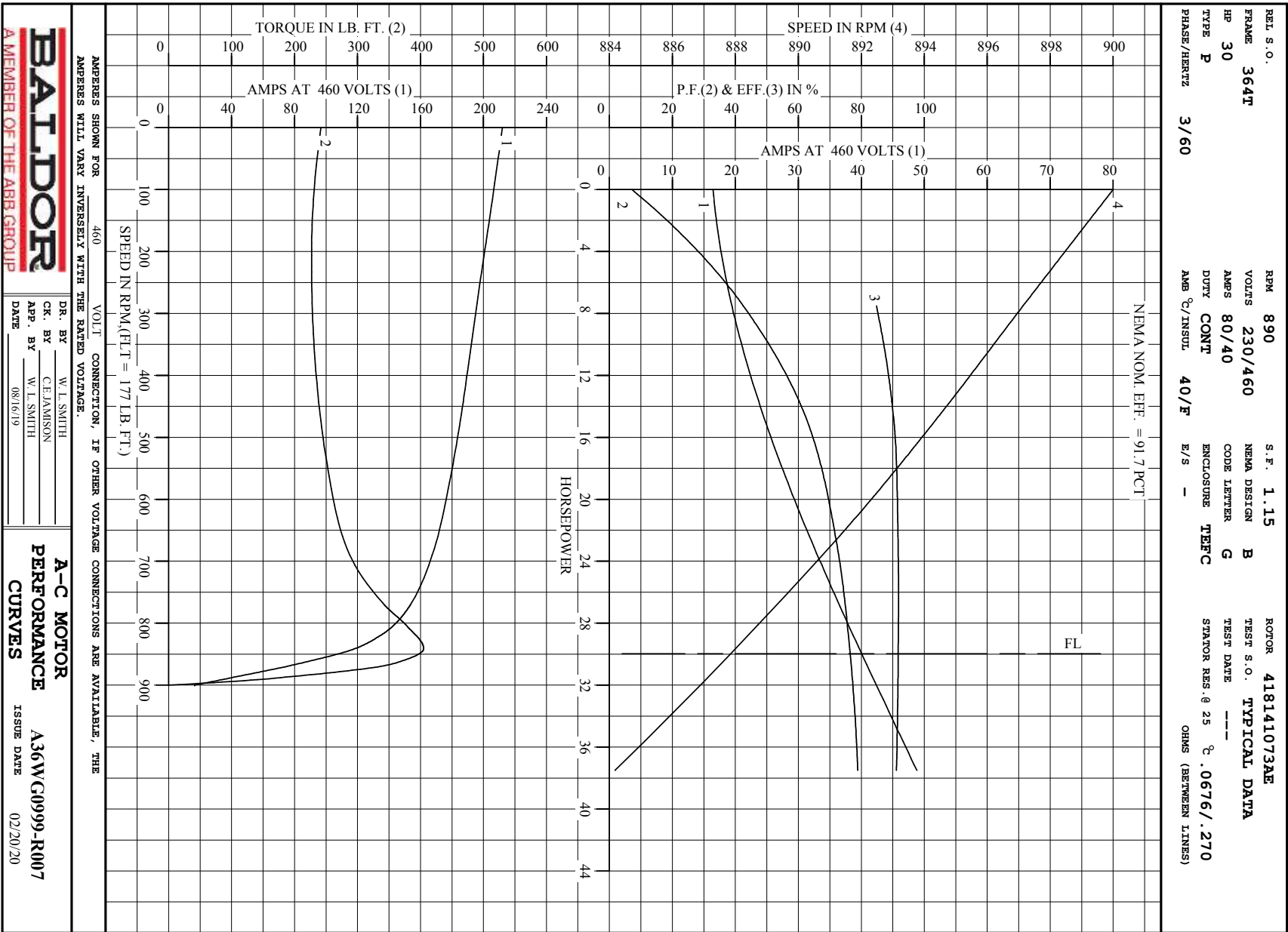
Nameplate

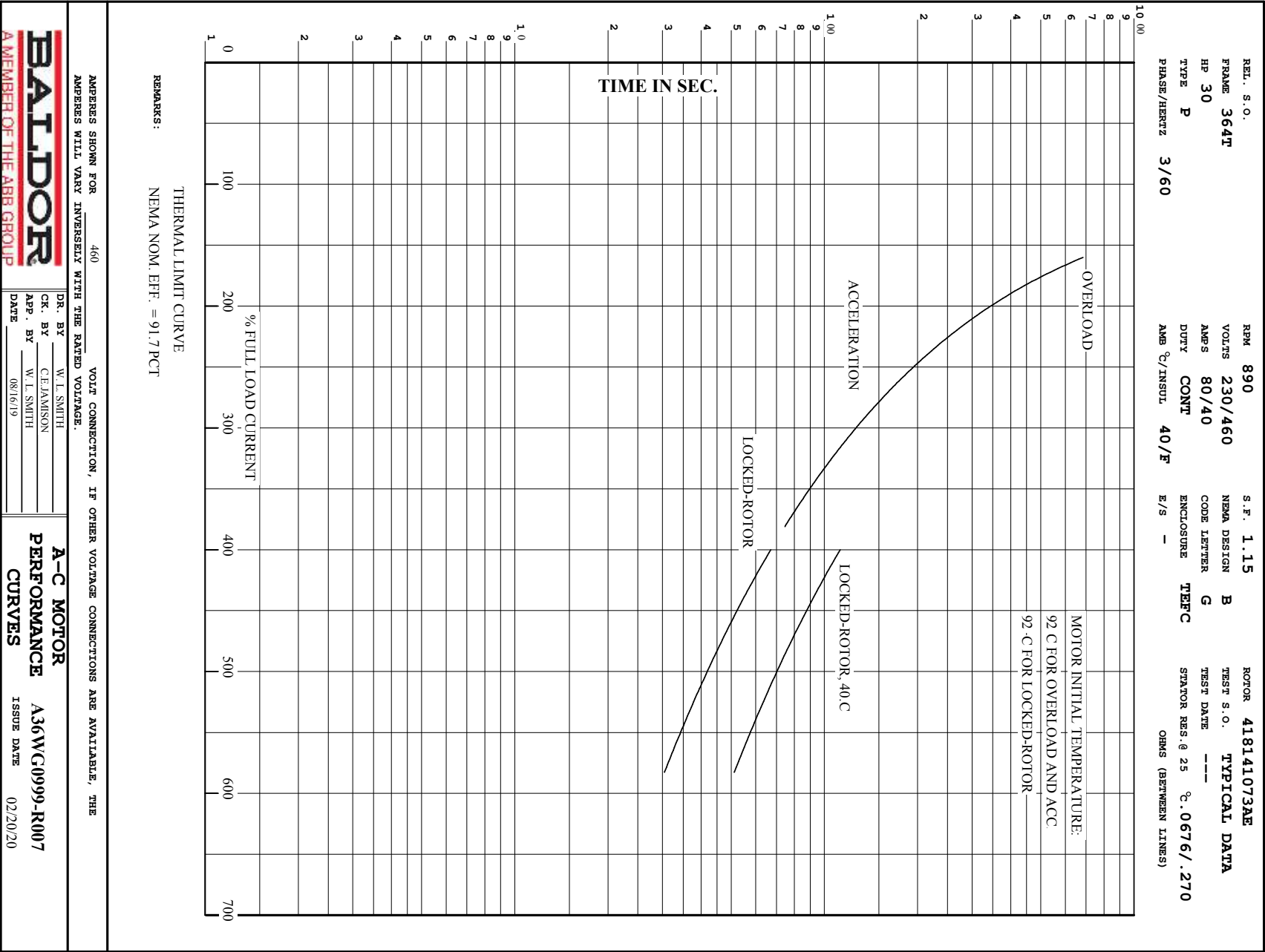
NP2496L	
MOBIL POLYREX EM	

NP2428L

SPEC NO.	A36-7347-0999			CAT.NO.	EWD4338T				FRAME	364T	
HP	30	VOLTS	230/460		PHASE	3	DESIGN	B	TYPE	P	
RPM	890	AMPS	80/40		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		77	NEMA-NOM-EFFICIENCY			91.7	
						MAX CORR KVAR		9	GUARANTEED EFFICIENCY		90.2
	IP55					NEMA NOM/CSA QUOTED EFF					
	10:1CT AND 10:1VT ON VPWM INVE					RTER, 1.00SF			MOTOR WEIGHT		

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	364T	30	P	3/60	890	230/460
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
80/40	CONT	40/F	1.15	B	G	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
-	418141073AE	---	---	.0676/.270		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY	
NO LOAD	0	16.5	900	7.17	0	
1/4	7.52	19.5	897	42.6	84.8	
2/4	15.0	24.7	894	62.9	90.4	
3/4	22.5	32.0	891	71.9	91.7	
4/4	30.0	40.0	888	76.5	91.7	
5/4	37.5	48.8	884	78.9	91.2	
SPEED TORQUE						
		RPM	% FULL LOAD	TORQUE LB.-FT.	AMPERES	
LOCKED ROTOR	0		136	242	212	
PULL UP	213		128	227	200	
BREAKDOWN	841		228	405	118	
FULL LOAD	888		100	177	40.0	
AMPERES SHOWN FOR 460. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE						
REMARKS: TYPICAL DATA NEMA NOM. EFF. = 91.7 PCT						
 A MEMBER OF THE ABB GROUP		DR. BY <u>W. I. SMITH</u> CK. BY <u>C. E. JAMISON</u> APP. BY <u>W. I. SMITH</u> DATE <u>08/16/19</u>		A-C MOTOR PERFORMANCE DATA A36WG0999-R007 ISSUE DATE 02/20/20		





DUTY MASTER ALTERNATING CURRENT MOTORS SQUIRREL-CAGE INDUCTION

617428-593

ENCLOSURE: TOTALLY ENCLOSED

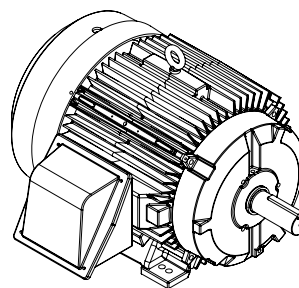
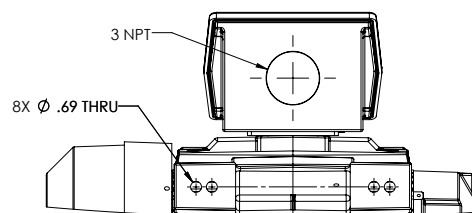
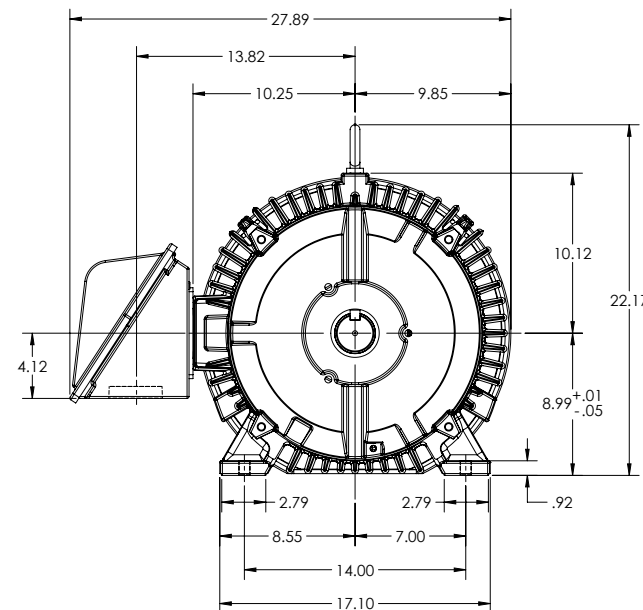
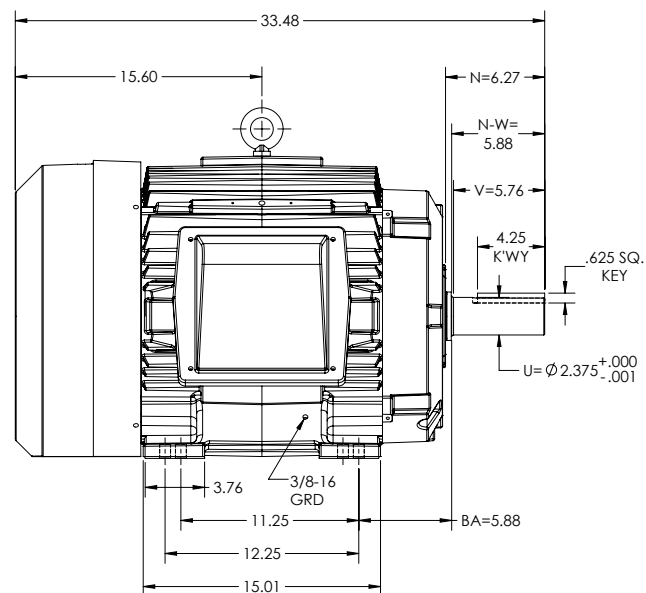
MOUNTING: FOOT, F-1 SIDE

FRAME E365T
INCLUDES E364T FRAME MOUNTING HOLES

CAST IRON CONDUIT BOX

COOLING: FAN COOLED

ENCLOSURE ENHANCEMENT: SEVERE DUTY



DIMENSIONS ARE IN INCHES

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

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. TO 5 INCH DIA.

REV. DESC: REMOVE SLINGER NOTE	VERSION: 01	REVISED: 08-04-20 03/26/2020	TDR: 000001135936
MODEL NO. 617428-593	BY: RAGRS1		

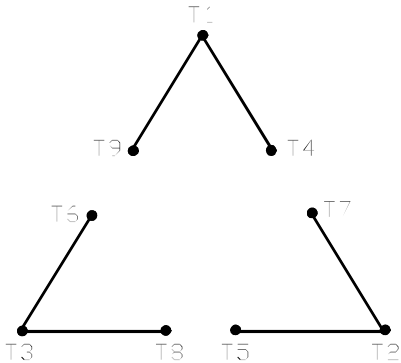
BALDOR

E3654T TEFC F1 FT SEVERE

617428-593

416820-002

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



(N.P. 1575-B)

REV. DESC: FONT CHANGE FOR PDF SEARCHABLE		
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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