



Customer information packet

EJPM4313T

75HP, 3555RPM, 3PH, 60HZ, 365JP, A36068M, TEFC

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	365JP
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	CURUSEEV
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
Motor Lead Quantity/Wire Size	3 @ 2 AWG

Part detail

Revision	B
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG0319
Layout	611740-037
Eff. date	05-13-2025
CD Diagram	416820-002
Poles	02
Leads	3#2,6#4
Proprietary	False
Created date	05-11-2015

Motor Standards	NEMA
Motor Type	A36068M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	35.94 IN
Power Factor	92
Product Family	General Industrial
Pulley End Bearing Type	Ball
Service Factor	1.15
Shaft Diameter	1.624 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3555 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Winding	None

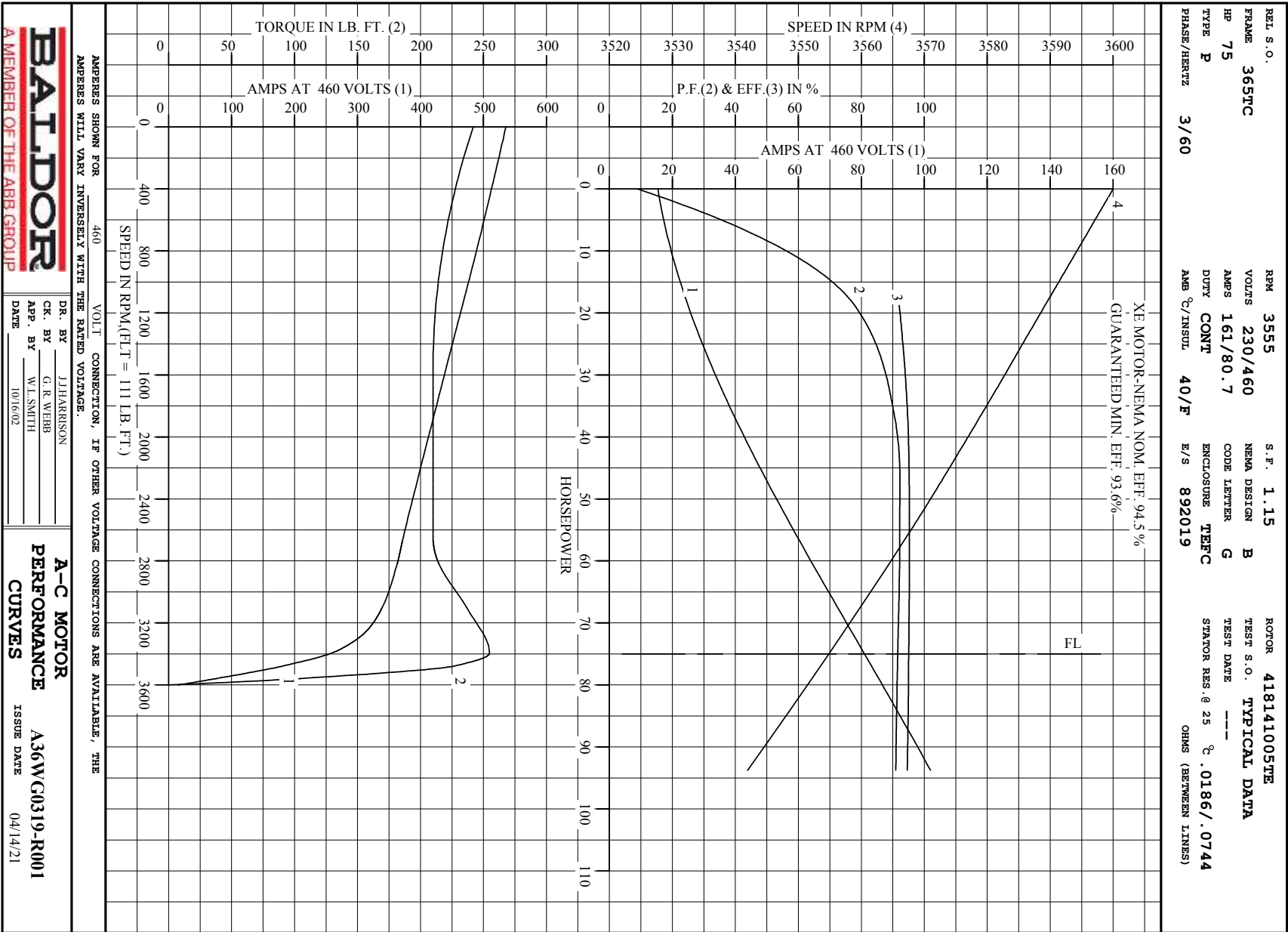
Nameplate

NP2496L	
MOBIL POLYREX EM	

NP2349L

SPEC NO.	A36-6763-0319			CAT.NO.	EJPM4313T					FRAME	365JP		
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	65BC03J30X		DUTY	CONT	INSUL.CLASS			F					
OPP D.E. BEARING	65BC03J30X		ENCL	TEFC	CODE	G							
SER.NO.				POWER FACTOR	92	NEMA-NOM-EFFICIENCY					94.5		
						MAX CORR KVAR	5	GUARANTEED EFFICIENCY				93.6	
						NEMA NOM/CSA QUOTED EFF							
											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%						
 A MEMBER OF THE ABB GROUP		DR. BY J. J. HARRISON CK. BY G. R. WEBB APP. BY W. L. SMITH DATE 10/16/02		A-C MOTOR PERFORMANCE DATA A36WG0319-R001 ISSUE DATE 04/14/21		



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

REL. S.O.	FRAME	365TC	RPM	3555	S.F.	1.15	ROTOR	418141005TE
HP	75	VOLTS	230/460	NEMA DESIGN	B	TEST S.O.	TYPICAL DATA	
TYPE	P	AMPS	161/80.7	CODE LETTER	G	TEST DATE	---	
PHASE/HERTZ	3/60	DUTY	CONT	ENCLOSURE	TEFC	STATOR RES @ 25 °C	.0186/.0744	
		AMB °C/INSUL	40/F	E/S	892019	OHMS (BETWEEN LINES)		

10.00

9

8

7

6

5

4

3

2

1.00

ACCELERATION

LOCKED-ROTOR, 40 C

LOCKED-ROTOR

OVERLOAD

132C FOR OVERLOAD AND ACC

132 C FOR LOCKED-ROTOR

MOTOR INITIAL TEMPERATURE:

TIME IN SEC.

% FULL LOAD CURRENT

0

200

400

600

800

1000

1200

1400

1

2

3

4

5

6

7

8

9

1.0

THERMAL LIMIT CURVE

REMARKS:

XE MOTOR-NEMA NOM. EFF. 94.5 %

GUARANTEED MIN. EFF. 93.6%

AMPERES SHOWN FOR 460

VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE

AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

DR. BY	J.HARRISON	A-C MOTOR
CK. BY	G.R.WEBB	PERFORMANCE
APP. BY	W.L.SMITH	A36WG0319-R001
DATE	10/6/02	ISSUE DATE
		04/14/21

A MEMBER OF THE ABB GROUP

DUTY MASTER ALTERNATING CURRENT MOTORS

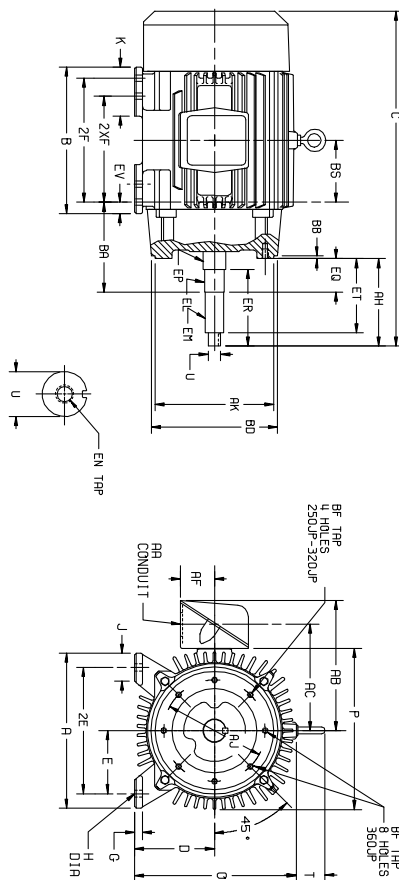
ENCLOSURE - TOTALLY ENCLOSED
SQUIRREL-CAGE INDUCTION

ENCLOSURE: TOTALLY ENCLOSED
MOUNTING: FOOT NEWA "C" FACE

COOLING: FAN COOLED

TYPE JP CLOSE COUPLED PUMPS

FRAMES 250JP THRU 360JP



DIMENSIONS ARE IN INCHES

FRAME	STEEL TERNAL BOX											(6)											
	A	D(2)	E	G	H	J	K	EV	O	P	T	AA	AB	AC	AF	BA	BB	BD	BF	BN	BU	AK	
256P-256P	12.50	6.25	5.00	---	.75	.56	2.50	---	1.00	13.25	15.22	2.44	---	1.40	7.50	2.17	3.81	9.00	1.2-3	.75	7.25	8.50	1.5
284P-286P	13.75	7.00	5.00	---	.75	.56	2.50	---	1.00	14.75	14.88	2.44	---	1.70	7.15	10.00	1.31	9.00	1.2-3	1.40	5.00	1.2-3	
324P-326P	15.50	8.00	6.25	---	.88	.69	2.25	4.50	1.38	16.69	17.00	2.44	2.42	1.59	11.44	4.25	2.88	3.31	14.00	5.8-11	9.4	11.00	12.50
364P-365P	17.00	9.00	7.00	---	.88	.69	2.25	3.58	1.38	18.50	19.50	2.94	3.3	18.06	14.00	5.38	8.50	3.31	14.00	5.8-11	9.4	11.00	12.50

[illegible]

- (1) SPECIAL DIMENSIONS APPLYING TO THIS ORDER ON THIS LINE.
- (2) "P" VARIES + .00, - .03.
- (3) "U" & "EW" VARY + .0000, - .0005.
- (4) ALL FRAMES HAVE EIGHT MOUNTING HOLES FOR DUAL MOUNTING.
- (5) MOTOR WEIGHTS MAY VARY BY 15% DEPENDING UPON RATING.
- (6) "AK" VARIES $\begin{cases} -25.0\text{P} + .000, & -.003 \\ -28.0\text{P} - 36.0\text{P} + .000, & -.005 \end{cases}$
- (7) "EL" VARIES + .000, - .002.
- (8) "AH" VARIES + .03, - .03.
- (9) "BB" VARIES + .00, - .06.

CONDUIT BOX LOCATED ON OPPOSITE SIDE WHEN F-2,W-1, W-4,W-5,W-7, OR C-1 MOUNTING IS SPECIFIED.

IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT
FACTORY.

MAXIMUM PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF STD. SHAFT EXTENSION IS .002 T.I.R. UP TO AND INCLUDING 1.625 DIA. AND .003 T.I.R. 1.625 DIA. TO 5 INCH DIA.

FACE RUNOUT AND
ECCENTRICITY — $\left[\begin{array}{l} .250\mu\text{P INCL. .004 MAX. T.I.R.} \\ .280\mu\text{P} - .360\mu\text{P INCL. .006 MAX. T.I.R.} \end{array} \right]$

- (7) "EL" VARIES +.000, -.002.

FRAME _____ TYPE _____ CERTIFIED FOR _____
 ORDER _____ ITEM _____ HP _____ RPM _____ PH _____ HZ _____ VOLTS _____
 SALES ORDER _____ APPROVED BY _____ DATE _____

CLEVELAND, OHIO 44117 U.S.A.
C/R 322618

10-541-00

611740-037

Baldor • Dodge • Reliance

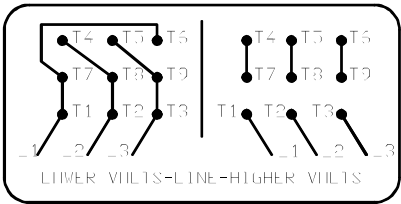
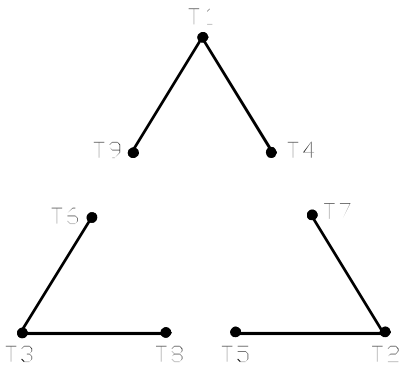
DIM SHT 250JP-360JP TEFC 250-360 JP CCP NEMA C FACE FT MTG

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

REV. DESC: REMOVING TITLEBLOCK		
REV. LTR: A	VERSION: 01	TDR: 000000446448
FILE: \RAG\00004\150	REVISED: 10:19:29 10/17/2007	BY: CONBPM
MT: _		

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