ABB BALDOR RELIANCE

Customer information packet

VPECP84313T-4

75HP, 3555RPM, 3PH, 60HZ, 365VP, TEFC, V1
Class - None
Division - Division II

Copyright © All product information within this document is subject to ABB Motors and Mechanical Inc. copyright © protection, unless otherwise noted.
11/18/2026 4:38:49 PM

Specifications

Enclosure	TEFC
Frame	365LP
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Division II
Motor Letter Type	Three Phase
Output @ Frequency	75.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	CCSA US NEMA PREMIUM UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Constant Torque Speed Range	15-60
Current @ Voltage	81.500 A @ 460.0 V
Design Code	B
Drip Cover	Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	93.6 %
Enclosure Modification	841
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3
Heater Indicator	No Heater
High Voltage Full Load Amps	81.5 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	IP56

Part Detail

Revision	D
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG1544
Layout	617428-660
Eff. date	03-15-2024
CD Diagram	416820-036
Poles	02
Leads	3#2
Proprietary	False
Created date	02-28-2019

KVA Code	G
Lifting Lugs	Vertical Lifting Lugs
Motor Lead Quantity/Wire Size	3 @ 2 AWG
Motor Standards	NEMA
Motor Type	A36068M
Mounting Arrangement	V1
No Load Current	15.5 a
Number of Poles	2
Overall Length	37.27 IN
Power Factor	92
Product Family	Pump - Centrifugal
Pulley End Bearing Type	Ball
Service Factor	1.15
Shaft Diameter	2.124 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

000613007EX					
CAT NO	VPECP84313T-4	**SPEC NO.**	A36-9017-1544		
NO. ROTOR BARS	38	**GREASE TYPE**	POLYREX EM		
NO. SLOTS	48	**NL AMPS AT RATED VOLTAGE**		15.5	
5 YEAR WARRANTY		**WINDING RES @25 C**	.0744	**OHMS**	
MFG. DATE		**SER.NO**			
	SFA 94.3				

NP4566											
CAT NO	VPECP84313T-4			**SPEC NO.**	A36-9017-1544						
HP	75	**AMPS**	81.5	**VOLTS**	460	**DESIGN**	B				
FRAME SIZE	365VP	**RPM**	3555	**HZ**	60	**AMB**	40	**SF**	1.15		
D.E. BRG.DATA	6313			**O.D.E. BRG.DATA**	7310	**PH**	3	**DUTY**	CONT	**INSUL.CLASS**	F
D.E. BRG.	65BC03JP30X	**TYPE**	**ENCL**	TEFC	**CODE**	G					
O.D.E. BRG.	BA2B_459310			**POWER FACTOR**	92			**NEMA-NOM-EFFICIENCY**	93.6		
3/4 LOAD EFF.	94.0	**IP**	56	**MAX CORR KVAR**	5			**GUARANTEED EFFICIENCY**	92.4		
TEMP CODE	T3	**TEMP =**	200								
CHP HZ	60-75	**CT HZ**	15-60	**VT HZ**	0-60						
INVERTER-TEMP-CODE	T3										
SER.NO.				**MOTOR WEIGHT**							

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	365LPZ	75	P	3/60	3555	460

AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
81.5	CONT	40/F	1.15	B	G	TEFC

E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES.@25 °C OHMS (BETWEEN LINES)
892018	418141005TE	---	---	.0744

PERFORMANCE

LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY
NO LOAD	0	15.5	3600	9.28	0
1/4	18.8	24.6	3589	78.1	91.5
2/4	37.6	41.1	3577	91.3	93.9
3/4	56.2	60.4	3565	92.7	94.0
4/4	75.0	81.5	3553	92.0	93.6
5/4	93.8	103	3539	91.2	93.1

SPEED TORQUE

	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES
LOCKED ROTOR	0	220	244	530
PULL UP	1565	190	211	435
BREAKDOWN	3383	226	250	259
FULL LOAD	3553	100	111	81.5

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%

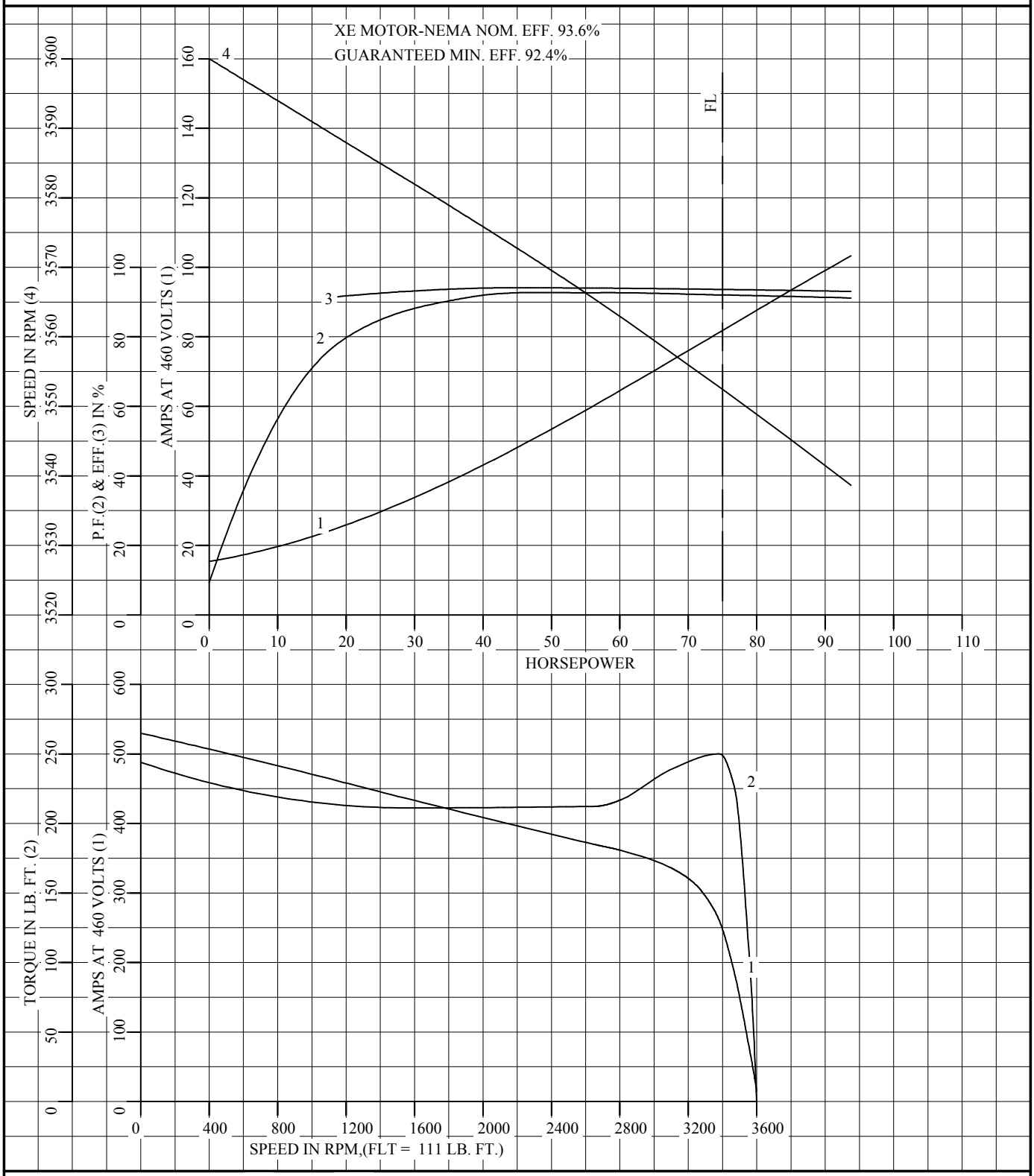
BALDOR
A MEMBER OF THE ABB GROUP

DR. BY G. R. WEBB
CK. BY W. L. SMITH
APP. BY W. L. SMITH
DATE 01/05/12

A-C MOTOR PERFORMANCE DATA

A36WG1544-R028
ISSUE DATE 03/31/21

REL S.O.		RPM	3555	S.F.	1.15	ROTOR	418141005TE
FRAME	365LPZ	VOLTS	460	NEMA DESIGN	B	TEST S.O.	TYPICAL DATA
HP	75	AMPS	81.5	CODE LETTER	G	TEST DATE	---
TYPE	P	DUTY	CONT	ENCLOSURE	TEFC	STATOR RES.@ 25 °C	.0744
PHASE/HERTZ	3/60	AMB °C/INSUL	40/F	E/S	892018		OHMS (BETWEEN LINES)



AMPERES SHOWN FOR 460 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

BALDOR
A MEMBER OF THE ABB GROUP

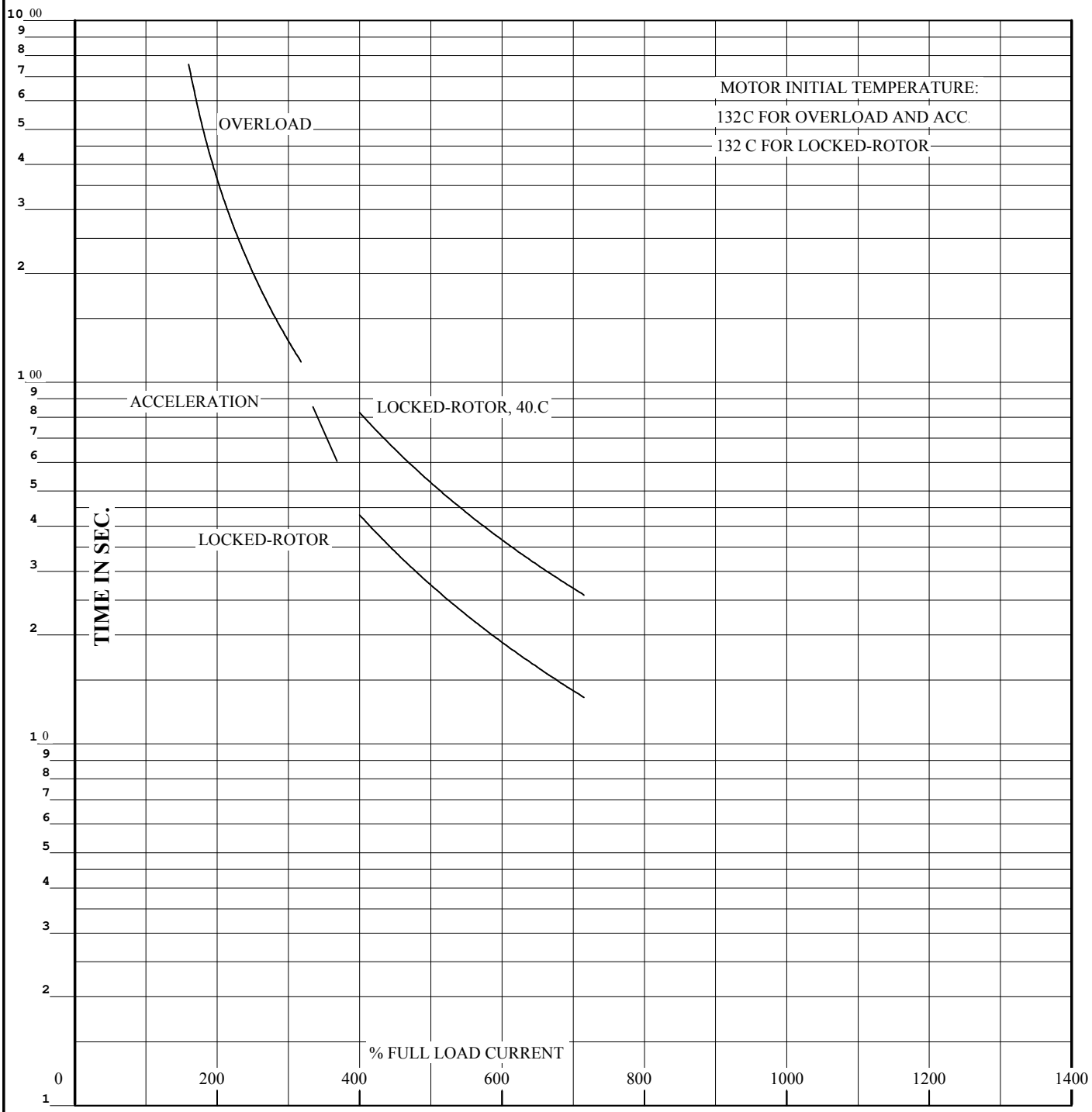
DR. BY	G. R. WEBB
CK. BY	W. L. SMITH
APP. BY	W. L. SMITH
DATE	01/05/12

A-C MOTOR PERFORMANCE CURVES

A36WG1544-R028

ISSUE DATE 03/31/21

REL. S.O.	RPM 3555	S.F. 1.15	ROTOR 418141005TE
FRAME 365LPZ	VOLTS 460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
HP 75	AMPS 81.5	CODE LETTER G	TEST DATE ---
TYPE P	DUTY CONT	ENCLOSURE TEFC	STATOR RES.@ 25 ℃.0744
PHASE/HERTZ 3/60	AMB ℃/INSUL 40/F	E/S 892018	OHMS (BETWEEN LINES)



REMARKS:

THERMAL LIMIT CURVE

XE MOTOR-NEMA NOM. EFF. 93.6%

GUARANTEED MIN. EFF. 92.4%

AMPERES SHOWN FOR 460 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

BALDOR A MEMBER OF THE ABB GROUP

DR. BY	G. R. WEBB
CK. BY	W. L. SMITH
APP. BY	W. L. SMITH
DATE	01/05/12

A–C MOTOR PERFORMANCE CURVES

A36WG1544-R028

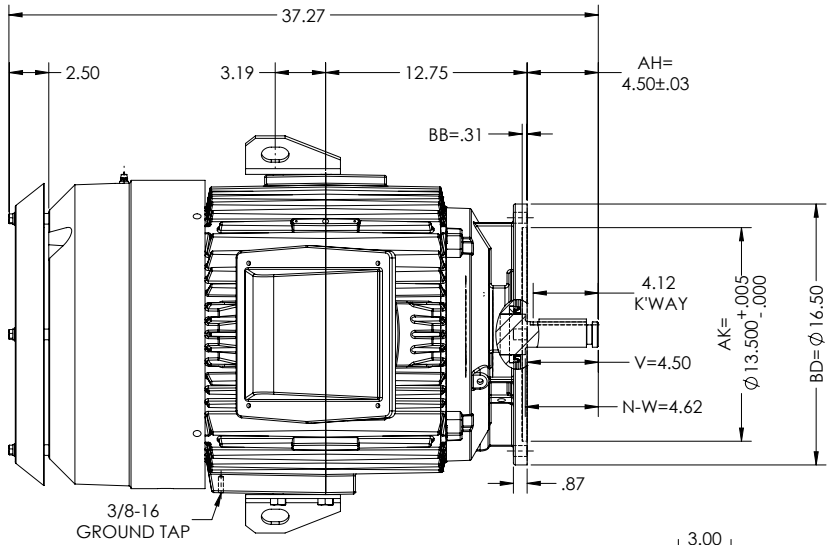
ISSUE DATE 03/31/21

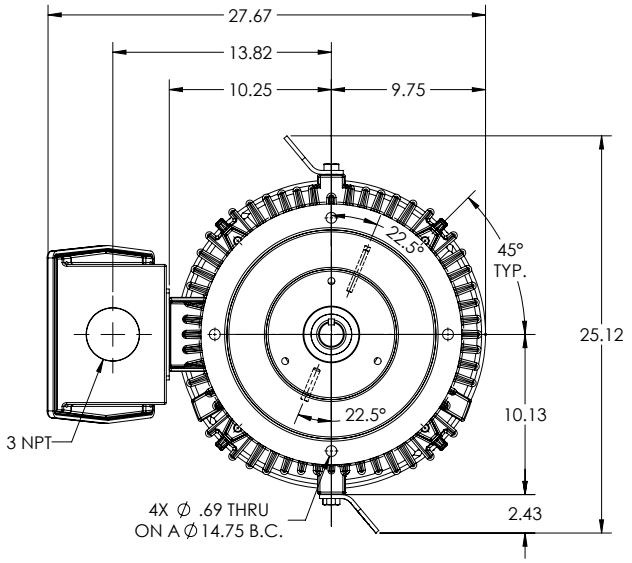
DUTY MASTER ALTERNATING CURRENT MOTORS

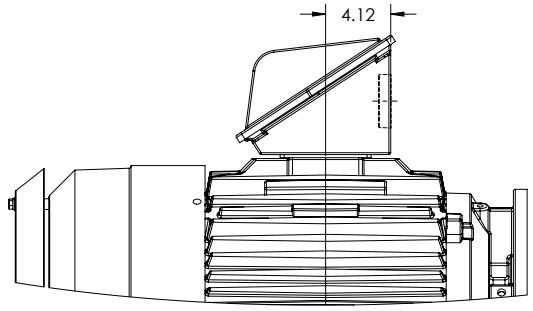
617428-660

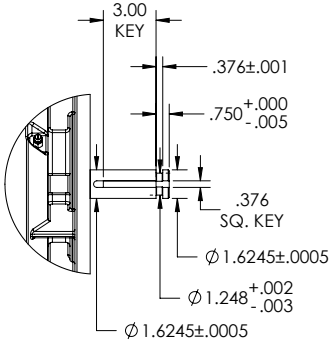
ENCLOSURE: TOTALLY ENCLOSED | SQUIRREL-CAGE INDUCTION | COOLING: FAN COOLED

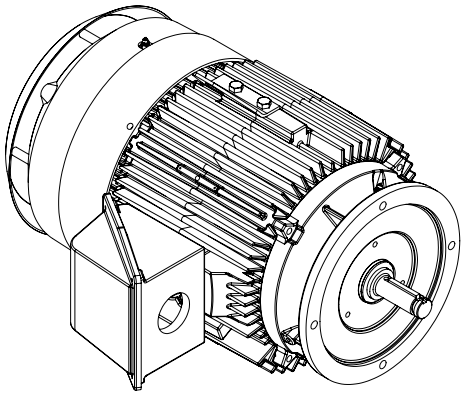
MOUNTING: FOOTLESS, V-1 | FRAME E365VP/E364VP | 841-XL ENHANCEMENT











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

SHEET NUMBER 1 OF 1

617428-660

FACE RUNOUT & ECCENTRICITY RUNOUT = .004 T.I.R.
IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.
MAX PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF STANDARD SHAFT EXTENSION IS .001 T.I.R.

REV. DESC: NEW DRAWING			
REV: -	VERSION: 00	REVISED: 03:43:18 03/04/2019	TDR: 000001100681
MODEL NO. 617428-660			
BY: USJEDIL			C

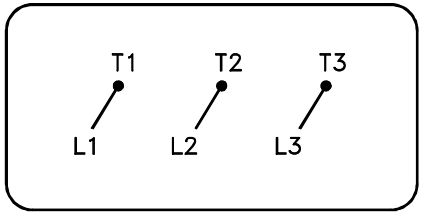
BALDOR

E365/364VP TEFC V1 FOOTLESS/CAST IRON CONDUIT BOX/INPROS

617428-660

416820–036

A–C MOTOR
CONNECTION DIAGRAM
STANDARD 3 LEAD CONNECTED



(N.P. 1575–BA)

416820–036

REV. DESC: LOADED TO BUS, C/R 335225			BALDOR
REV. LTR: –	VERSION: 00	TDR: 000000538207	
FILE: \MGA\00000\682		REVISED: 11:54:06 04/30/2010	CONN DIAG – STANDARD 3 LEAD
MTL: –		BY: RAGRA	SH 1 of 1