ABB BALDOR RELIANCE

Customer information packet

VPECP84314T-4

60HP, 1780RPM, 3PH, 60HZ, 364VP, A36062M, TEFC
Class - None
Division - Division II

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Specifications

Enclosure	TEFC
Frame	364VP
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	60.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	CCSAUSEEV
	CURUSEEV
	NEMA PREMIUM
	NEMA PREMIUM (OLD LOGO)
	UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Constant Torque Speed Range	15-60
Current @ Voltage	68.000 A @ 460.0 V
Design Code	B
Drip Cover	Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.0 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	68.0 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	G

Part Detail

Revision	C
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG0054
Layout	617428-660
Eff. date	04-17-2026
CD Diagram	416820-036
Poles	04
Leads	3#4
Proprietary	False
Created date	07-23-2025

Lifting Lugs	Vertical Lifting Lugs
Max Speed	2700 rpm
Motor Lead Quantity/Wire Size	3 @ 4 AWG
Motor Standards	NEMA
Motor Type	A36062M
Mounting Arrangement	V1
Number of Poles	4
Overall Length	37.27 IN
Power Factor	87
Product Family	Pump - Centrifugal
Pulley End Bearing Type	Ball
Pulley Face Code	P-Base
Service Factor	1.15
Shaft Diameter	1.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1780 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP4388

CAT #	VPECP84314T-4					**FR**	364VP		56										
SPEC	A36-7107-4085					**ENCL**	TEFC		**DES**	B									
HZ	60	**PH**	3	**CL**	F	**HP**	60	**SF**	1.15	**PF**	87	**%**	**CODE**	G					
VOLTS	460					**AMPS**	68												
RPM	1780			**MAX RPM**	2700	**SER**													
NEMA NOM. EFF	95	**%**		**RATING**	40C AMB-CONT														
GUAR MIN. EFF	94.1	**%**		**BRG DE**	6313		**BRG ODE**	7310											
CL I DIV 2 GRPS A,B,C,D				**CL I ZONE 2 GRPS**			**IIA,IIB,IIC**		**TEMP T**	3-200	**C**								
CT HZ	15-60			**VT HZ**	0-60														
CHP HZ	60-90				**INV TEMP CL**	200	**C**												
							MTR WT	910	**LBS**										

NP4333

CAT #	VPECP84314T-4	**ROTOR BARS**	47
SPEC	A36-7107-4085	**STATOR SLOTS**	60
SER		**MAX CORR KVAR**	10
GREASE	POLYREX EM		
ABMA DE BRG	65BC03JP30X **ODE**	BA2B_459310	

SPACE HEATER LEADS H1-H2: **TIE LIKE NUMBERS** **TOGETHER**

MAX. SPACE HEATER TEMP.		**C**	**V**		**A**		**W**	

S/O	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	364T	60	P	3/60	1780	460

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

E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)
492280	418141035YE	---	---	.110

PERFORMANCE

LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY
NO LOAD	0	20.1	1800	4.67	0
1/4	15.0	25.8	1795	58.6	93.0
2/4	30.0	37.5	1791	78.7	95.2
3/4	45.0	51.9	1786	85.0	95.3
4/4	60.0	68.0	1781	87.0	95.0
5/4	75.0	85.1	1775	87.5	94.3

SPEED TORQUE

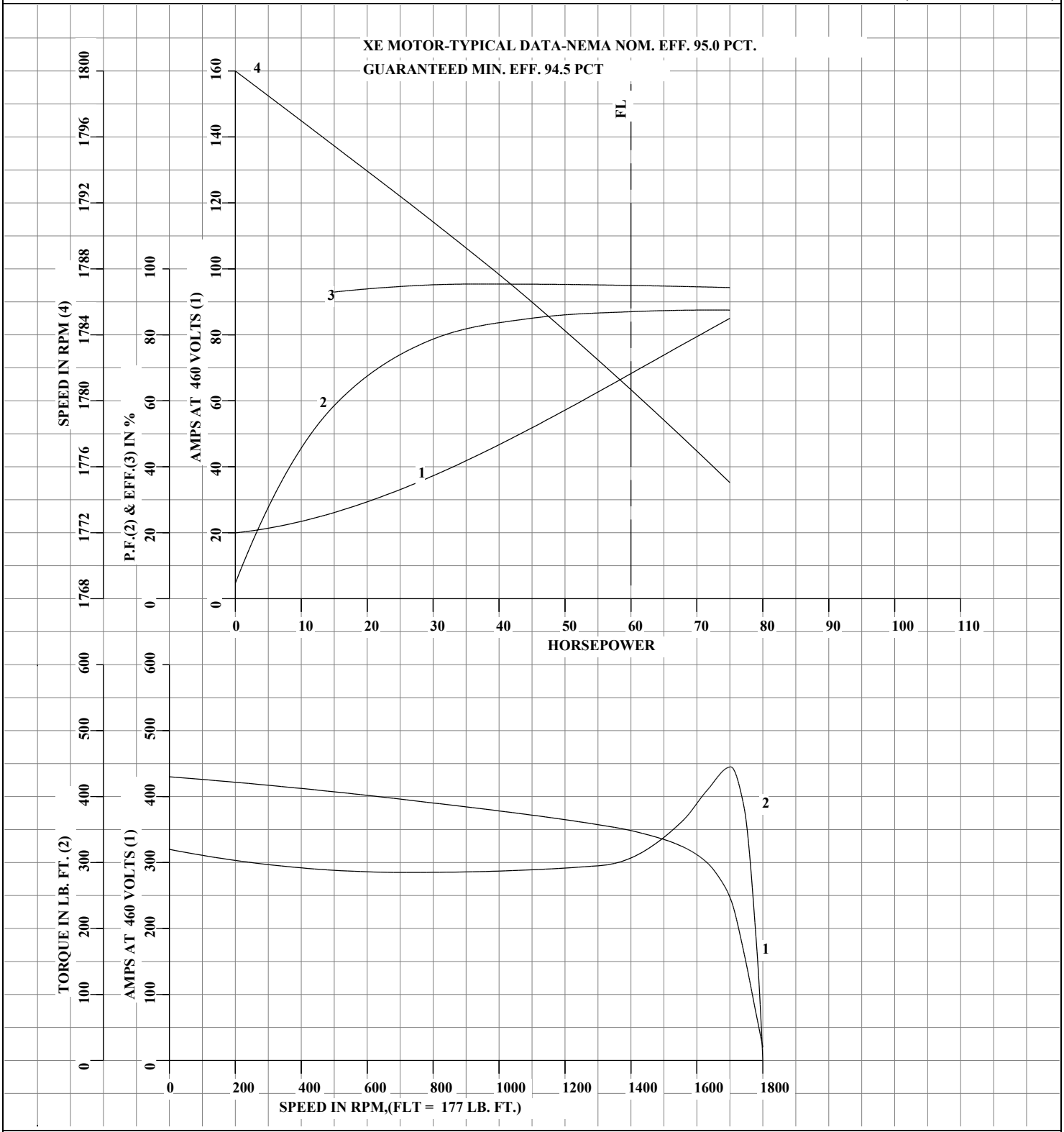
	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES
LOCKED ROTOR	0	181	320	430
PULL UP	720	161	285	395
BREAKDOWN	1703	251	445	244
FULL LOAD	1781	100	177	68.0

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

TYPICAL DATA
XE MOTOR-TYPICAL DATA-NEMA NOM. EFF. 95.0 PCT.
GUARANTEED MIN. EFF. 94.5 PCT

ABB	DRAWN BY: J. P. MCGILL CHECKED BY: K. W. KANOUFF APPROVED BY: K. W. KANOUFF DATE: 12/09/91	AC MOTOR PERFORMANCE DATA	A36WG0054-R001 DATE ISSUED 03/12/19

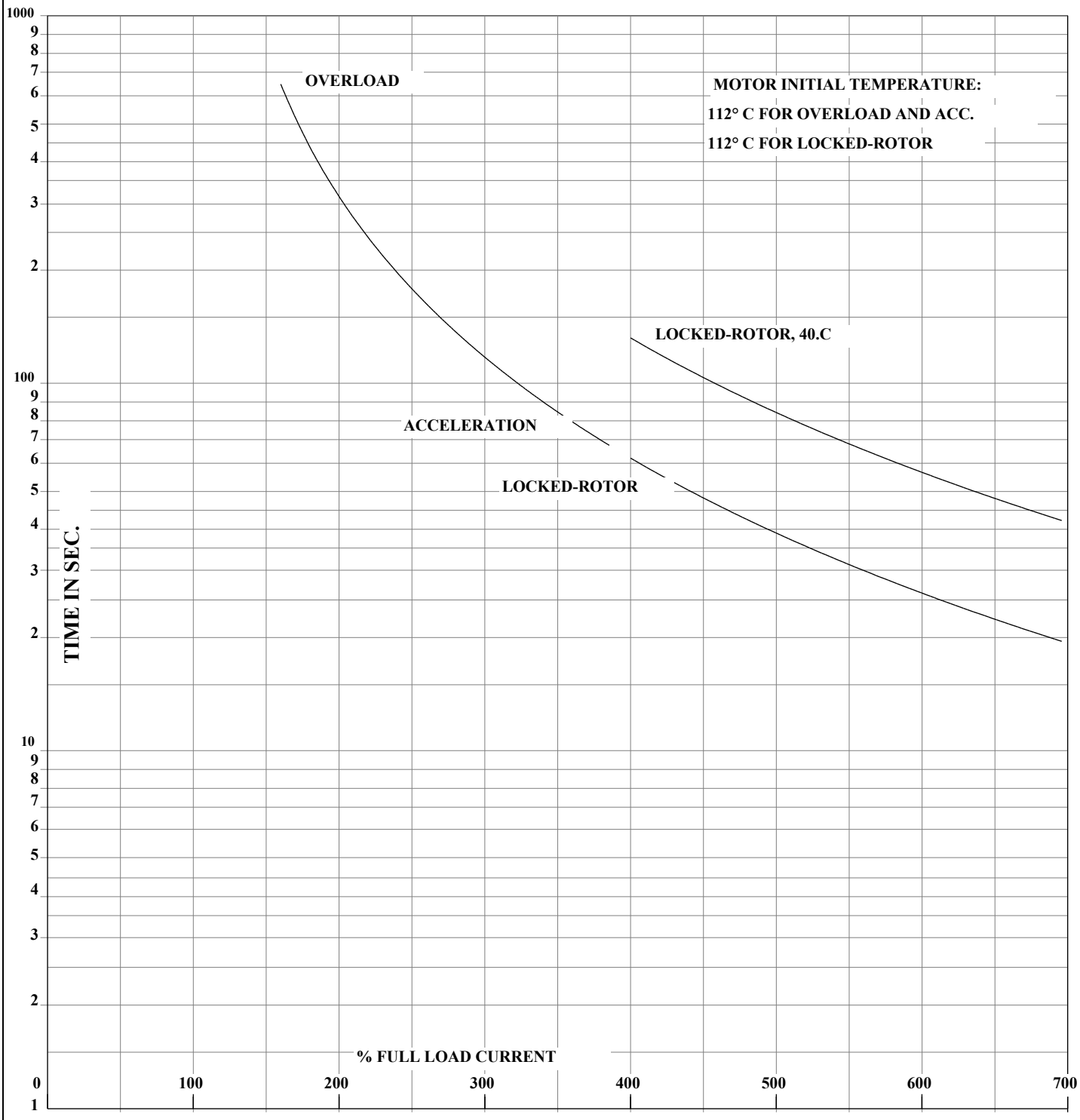
FRAME 364T	RPM 1780	S.F. 1.15	ROTOR 418141035YE
HP 60	VOLTS 460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
TYPE P	AMPS 68	CODE LETTER G	TEST DATE ---
PHASE / HERTZ 3/60	DUTY CONT	ENCLOSURE TEFC	STATOR RES. @ 25°C .110
	AMB °C / INSUL 40/F	E/S 492280	OHMS (BETWEEN LINES)



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

ABB	DRAWN BY: J. P. MCGILL CHECKED BY: K. W. KANOUFF APPROVED BY: K. W. KANOUFF DATE: 12/09/91	AC MOTOR PERFORMANCE DATA	A36WG0054-R001 ISSUE DATE 03/12/19

FRAME 364T	RPM 1780	S.F. 1.15	ROTOR 418141035YE
HP 60	VOLTS 460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
TYPE P	AMPS 68	CODE LETTER G	TEST DATE ---
PHASE / HERTZ 3/60	DUTY CONT	ENCLOSURE TEFC	STATOR RES. @ 25°C .110
	AMB °C / INSUL 40/F	E/S 492280	OHMS (BETWEEN LINES)



THERMAL LIMIT CURVE
XE MOTOR-TYPICAL DATA-NEMA NOM. EFF. 95.0 PCT.

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

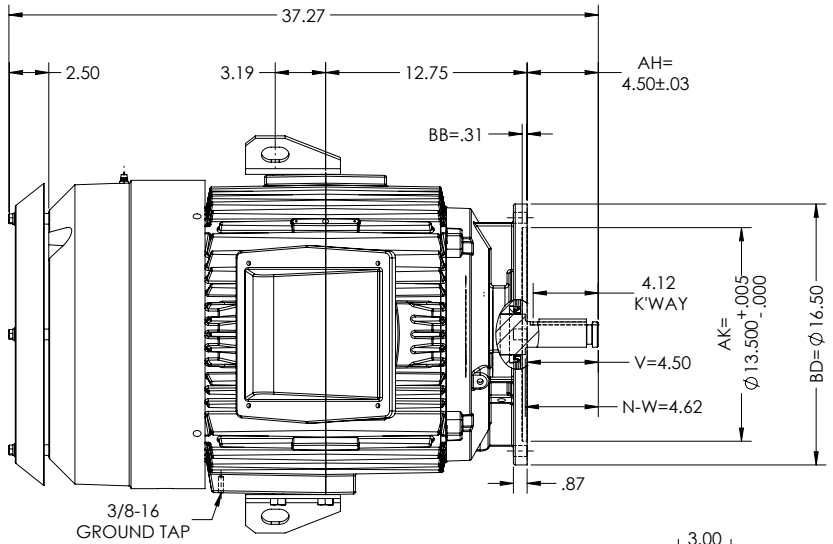
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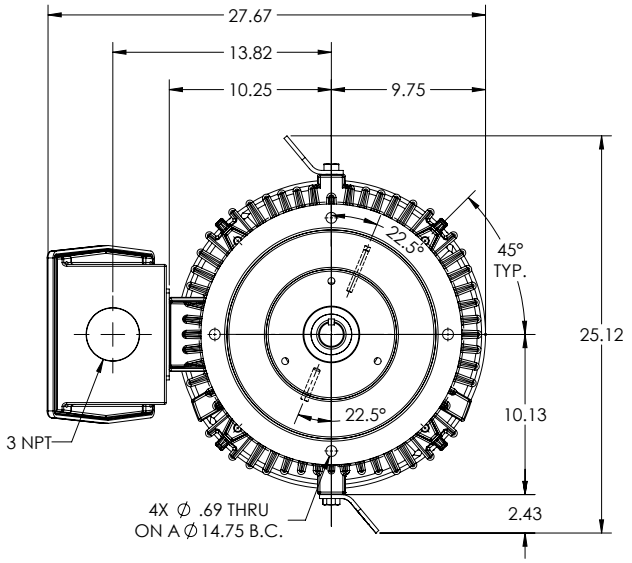
DUTY MASTER ALTERNATING CURRENT MOTORS

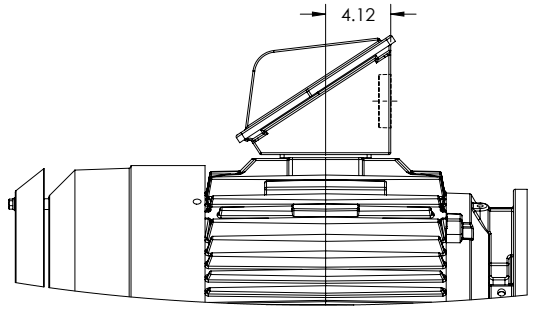
617428-660

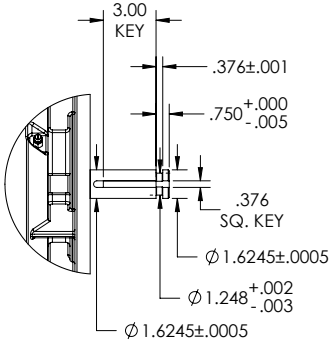
ENCLOSURE: TOTALLY ENCLOSED | SQUIRREL-CAGE INDUCTION | COOLING: FAN COOLED

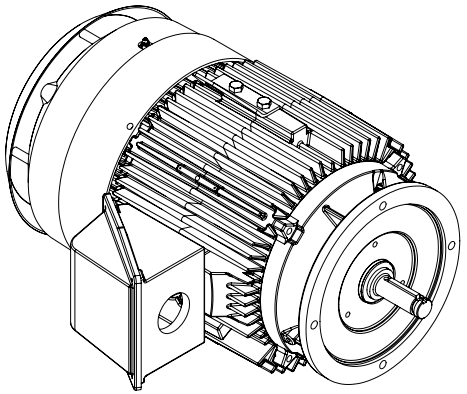
MOUNTING: FOOTLESS, V-1 | FRAME E365VP/E364VP | 841-XL ENHANCEMENT











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

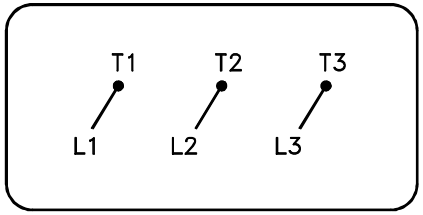
BALDOR

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