ABB BALDOR RELIANCE

Customer information packet

VPECP84310T-4

60HP, 3560RPM, 3PH, 60HZ, 364VP, TEFC, V1
Class - None
Division - Division II

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11/18/2026 4:39:05 PM

Specifications

Enclosure	TEFC
Frame	364LP
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	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	6-60
Current @ Voltage	66.000 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	66.0 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.	A36WG1559
Layout	617428-660
Eff. date	03-15-2024
CD Diagram	416820-036
Poles	02
Leads	3#4
Proprietary	False
Created date	02-28-2019

KVA Code	G
Lifting Lugs	Vertical Lifting Lugs
Motor Lead Quantity/Wire Size	3 @ 4 AWG
Motor Standards	NEMA
Motor Type	A36056M
Mounting Arrangement	V1
No Load Current	14.9 a
Number of Poles	2
Overall Length	37.27 IN
Power Factor	91
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	3560 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Winding	None

Nameplate

000613007EX					
CAT NO	VPECP84310T-4	**SPEC NO.**	A36-7839-1559		
NO. ROTOR BARS	38	**GREASE TYPE**	POLYREX EM		
NO. SLOTS	48	**NL AMPS AT RATED VOLTAGE**		14.9	
5 YEAR WARRANTY		**WINDING RES @25 C**	.1019	**OHMS**	
MFG. DATE		**SER.NO**			
	SFA 76.1				

NP4566											
CAT NO	VPECP84310T-4			**SPEC NO.**	A36-7839-1559						
HP	60	**AMPS**	66	**VOLTS**	460	**DESIGN**	B				
FRAME SIZE	364VP	**RPM**	3560	**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**	91			**NEMA-NOM-EFFICIENCY**	93.6		
3/4 LOAD EFF.	93.8	**IP**	56	**MAX CORR KVAR**	6.5			**GUARANTEED EFFICIENCY**	92.4		
TEMP CODE	T3	**TEMP =**	200								
CHP HZ	60-75	**CT HZ**	6-60	**VT HZ**	0-60						
INVERTER-TEMP-CODE	T3										
SER.NO.				**MOTOR WEIGHT**							

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	364TSC	60	P	3/60	3560	460

AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
66	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	---	---	.101

PERFORMANCE

LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY
NO LOAD	0	14.9	3600	11.0	0
1/4	15.0	21.9	3590	72.1	88.8
2/4	30.0	34.9	3580	86.7	92.9
3/4	45.0	49.9	3569	90.2	93.8
4/4	60.0	66.0	3558	90.7	93.7
5/4	75.0	82.8	3546	90.9	93.3

SPEED TORQUE

	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES
LOCKED ROTOR	0	203	180	435
PULL UP	1565	176	156	355
BREAKDOWN	3397	233	206	212
FULL LOAD	3558	100	88.6	66.0

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

REMARKS: TYPICAL DATA
XE MOTOR-NEMA NOM. EFF. 93.6 %

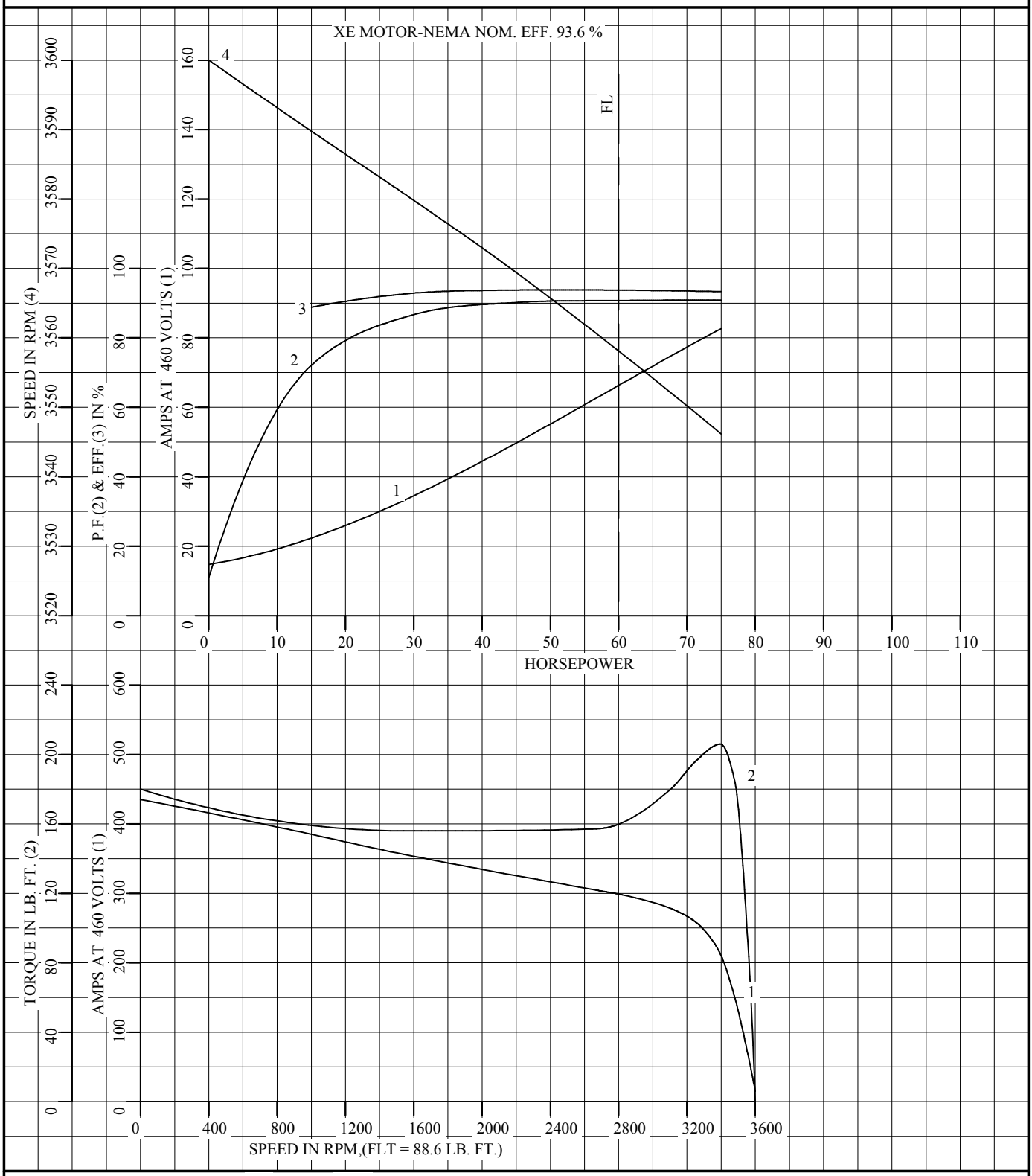
BALDOR
A MEMBER OF THE ABB GROUP

DR. BY W. L. SMITH
CK. BY C.E.JAMISON
APP. BY E.J.CHRISTIAN
DATE 05/04/16

A-C MOTOR PERFORMANCE DATA

A36WG1559-R028
ISSUE DATE 04/28/21

REL S.O.	RPM 3560	S.F. 1.15	ROTOR 418141005XE
FRAME 364TSC	VOLTS 460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
HP 60	AMPS 66	CODE LETTER G	TEST DATE ---
TYPE P	DUTY CONT	ENCLOSURE TEFC	STATOR RES.@ 25 °C .101
PHASE/HERTZ 3/60	AMB °C/INSUL 40/F	E/S 491281	OHMS (BETWEEN LINES)



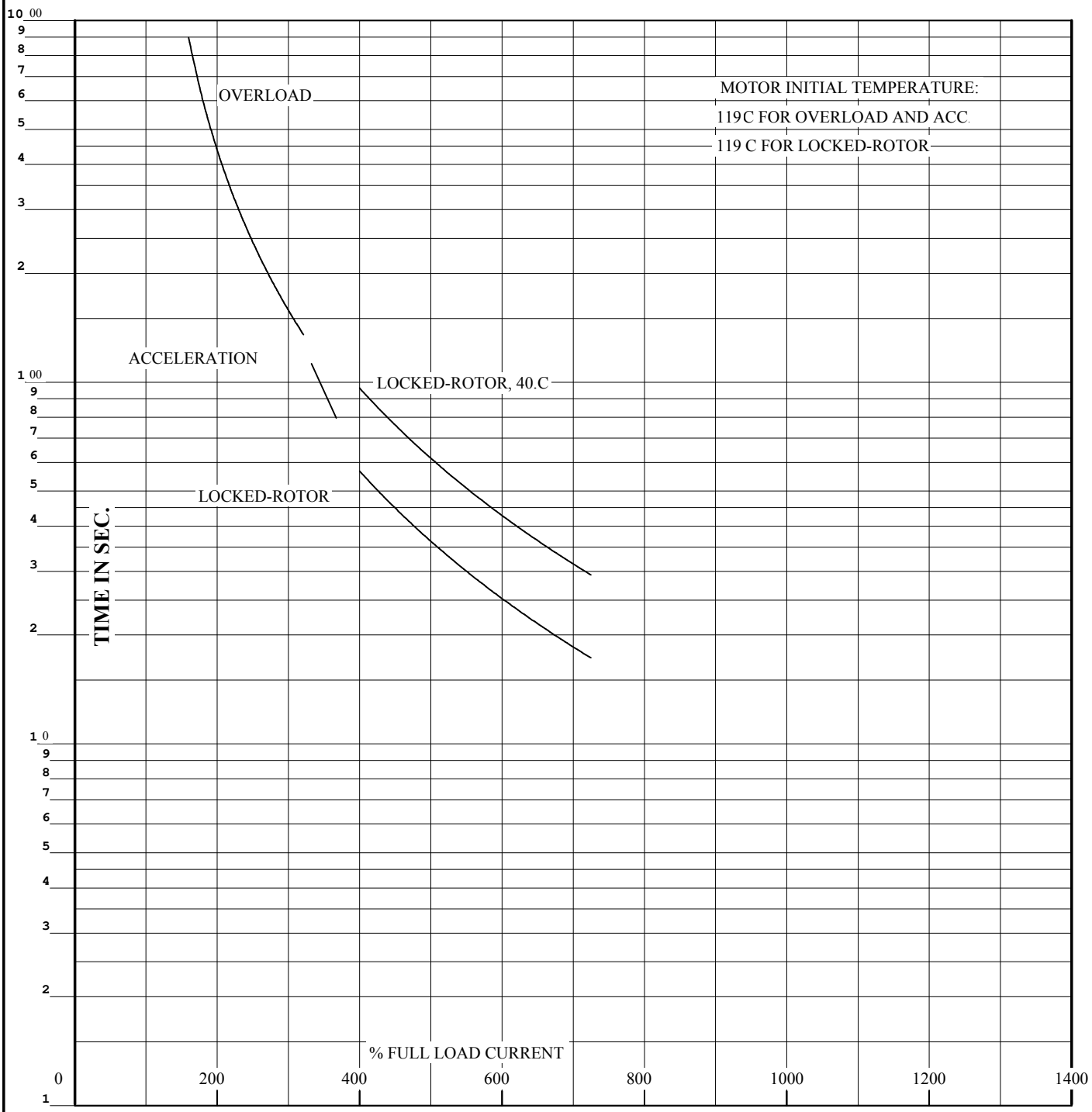
AMPERES SHOWN FOR 460 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

BALDOR A MEMBER OF THE ABB GROUP

DR. BY	W. L. SMITH
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DATE	05/04/16

A-C MOTOR PERFORMANCE CURVES A36WG1559-R028 ISSUE DATE 04/28/21

REL. S.O.	RPM 3560	S.F. 1.15	ROTOR 418141005XE
FRAME 364TSC	VOLTS 460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
HP 60	AMPS 66	CODE LETTER G	TEST DATE ---
TYPE P	DUTY CONT	ENCLOSURE TEFC	STATOR RES.@ 25 ℃.101
PHASE/HERTZ 3/60	AMB ℃/INSUL 40/F	E/S 491281	OHMS (BETWEEN LINES)



THERMAL LIMIT CURVE

REMARKS: XE MOTOR-NEMA NOM. EFF. 93.6 %

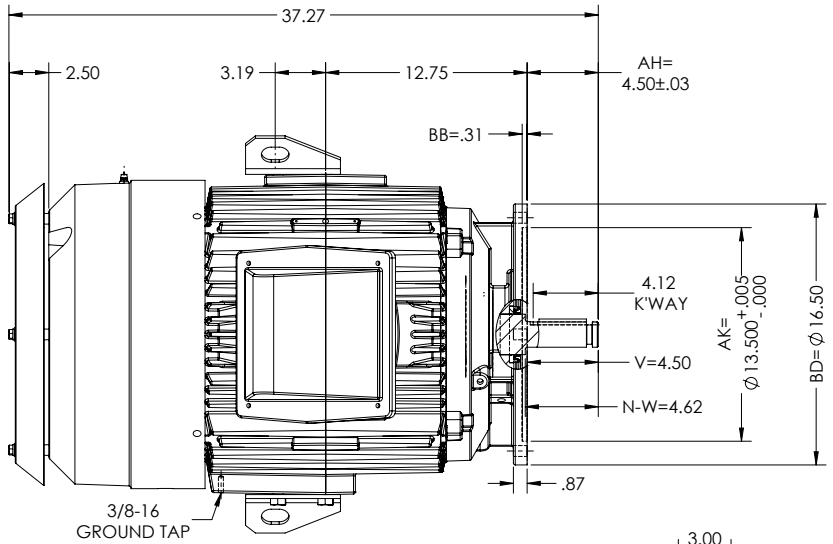
AMPERES SHOWN FOR 460 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

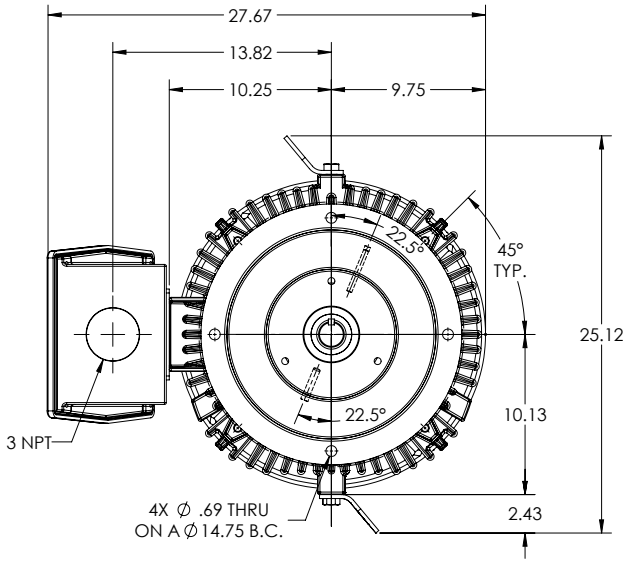
DUTY MASTER ALTERNATING CURRENT MOTORS

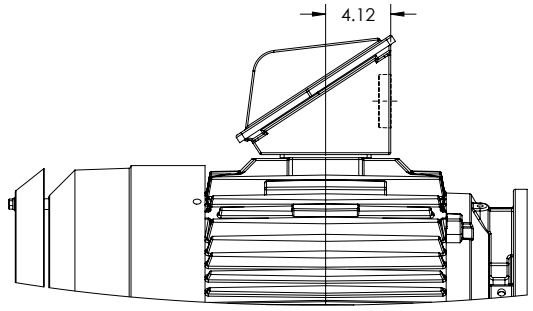
617428-660

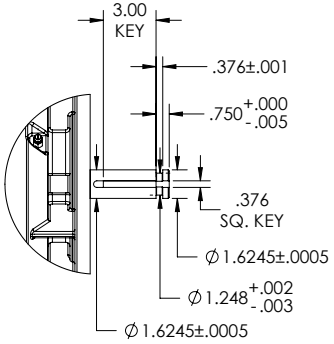
ENCLOSURE: TOTALLY ENCLOSED | SQUIRREL-CAGE INDUCTION | COOLING: FAN COOLED

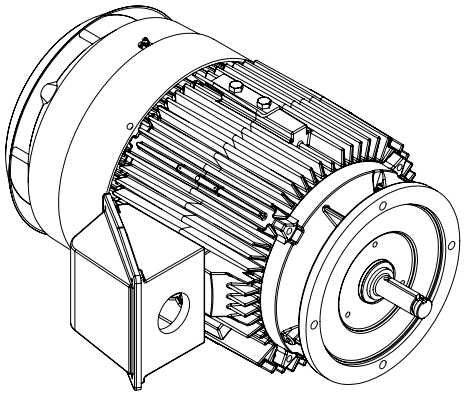
MOUNTING: FOOTLESS, V-1 | FRAME E365VP/E364VP | 841-XL ENHANCEMENT











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	

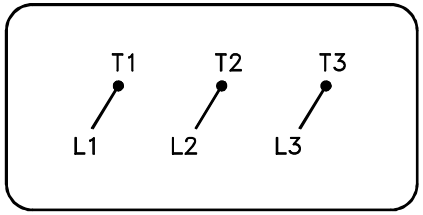
BALDOR

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