ABB BALDOR RELIANCE

Customer information packet

CEWDM4338T

30HP, 890RPM, 3PH, 60HZ, 364TC, TEFC, F1
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	364TC
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.	A36WG0229
Layout	617428-348
Eff. date	09-10-2021
CD Diagram	416820-002
Poles	08
Leads	3#6,6#8
Proprietary	False
Created date	08-22-2019

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	76
Product Family	Washdown Features
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
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.	A36-7775-0229	**CAT.NO.**	CEWDM4338T					**FRAME**	364TC	
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**	76			**NEMA-NOM-EFFICIENCY**	91.7			
						MAX CORR KVAR	10	**GUARANTEED EFFICIENCY**	90.2	
	IP55					**NEMA NOM/CSA QUOTED EFF**				
	10:1CT AND 10:1VT ON VPWM INVE				RTER, 1.00SF			**MOTOR WEIGHT**		

Parts List

Part number	Description	Quantity
SA373333	SA A36-7775-0229	1.000 ea
RA363125	RA A36-7775-0229	1.000 ea
421948032	LABEL, MYLAR	1.000 ea
NP2496L	MOTOR LUBE NAMEPLATE	1.000 ea
000613006PU	N/P (RELEASE QTY 10,000) UL CSA LABEL	1.000 ea
000692000CY	N/P	1.000 ea
000692000VD	LABEL WARNING	1.000 ea
NP2428L	WASHDOWN DUTY MOTOR, SS, CC, CSA-C	1.000 ea
085922073B	BRKT 360 085922072WCC KB	1.000 ea
415072001B	CLAMP	1.000 ea
078559075	FAN CVR E360 TEFC W/ NO LUBE ENTRY	1.000 ea
034180012DA	KEY 1X4X1/4X1-1/2 L	1.000 ea
412118006A	DRAIN	1.000 ea
078557001F	FAN KB 110/50 (60) 360	1.000 ea
004824015A	GREASE POLYREX EM	0.540 lb
032018012DN	HHCS 1/2-131-1/2 304S.S.	4.000 ea
032018008AN	HHCS 1/4-20X1 304 S.S.	4.000 ea
032018024CN	HHCS 3/8-16X3 304 S.S.	3.000 ea
415045002E	SLGR	1.000 ea
410700004F	WSHR	1.000 ea
423709011C	WASHER	3.000 ea
034690001AB	1/8" NPT SQHDPLG	1.000 ea
034690002AB	PPLG 1/4" PLTD.	1.000 ea
034690001AB	1/8" NPT SQHDPLG	1.000 ea
034690002AB	PPLG 1/4" PLTD.	1.000 ea
085922070HF	E360 C FACE BRACKET 6313 BRG TEFC- 4.640	1.000 ea
032018012DN	HHCS 1/2-131-1/2 304S.S.	4.000 ea
032018024CN	HHCS 3/8-16X3 304 S.S.	3.000 ea
415045002E	SLGR	1.000 ea
415028001AL	SEAL	1.000 ea
412118006A	DRAIN	1.000 ea

423709011C	WASHER	3.000 ea
076708141	CAST IRON 3" LEAD OUTLET	1.000 ea
065776000C	GASKET,MAIN CBOX, 320-400	1.000 ea
076709000A	C/B Cover - 360	1.000 ea
067053000B	GASK 320-400	1.000 ea
032018006AN	HHCS1/4-20X3/4304S.S.-360	4.000 ea
032018010CN	HHCS 3/8-16X1-1/4 304S.	4.000 ea
415000115H	T/LUG #2AWG-4/0AWG	1.000 ea
406099000A	PLUG - FAN COVER 320-440	1.000 ea
032018005DL	1/2-13 X 5/8 SILICON BRONZE HHCS	1.000 ea
034000014AF	WSHR 3/8 304 S.S.	4.000 ea
004824003AJF	WILKO781.01 WHITE2 COATS - MG1025W01	0.250 ga
033775004EA	DRSCR #6-1/4 304 S.S.	2.000 ea
033775004EA	DRSCR #6-1/4 304 S.S.	4.000 ea
034180034HA	KEY 5/8X5/8X4-1/4 L	1.000 ea
14PA1000	PACKAGING 314 GROUP COMBINED PRINT	1.000 ea
HW1000A32	5/16 FL WASHER WIDE,ID=.344,OD=1.125	3.000 ea
032509020C	CARRIAGE BOLT - 360	3.000 ea

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	364TC	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)
591745	418141-73-AE	---	---	.0676/.270

PERFORMANCE

LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY
NO LOAD	0	19.7	900	4.97	0
1/4	7.52	21.6	897	37.5	86.9
2/4	15.0	26.0	895	59.1	91.5
3/4	22.5	32.4	892	70.3	92.4
4/4	30.0	40.0	889	76.2	92.2
5/4	37.5	48.7	885	78.8	91.5

SPEED TORQUE

	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES
LOCKED ROTOR	0	137	242	212
PULL UP	213	128	227	200
BREAKDOWN	844	228	405	119
FULL LOAD	889	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
XE MOTOR - NEMA NOM. EFF. 91.7 %

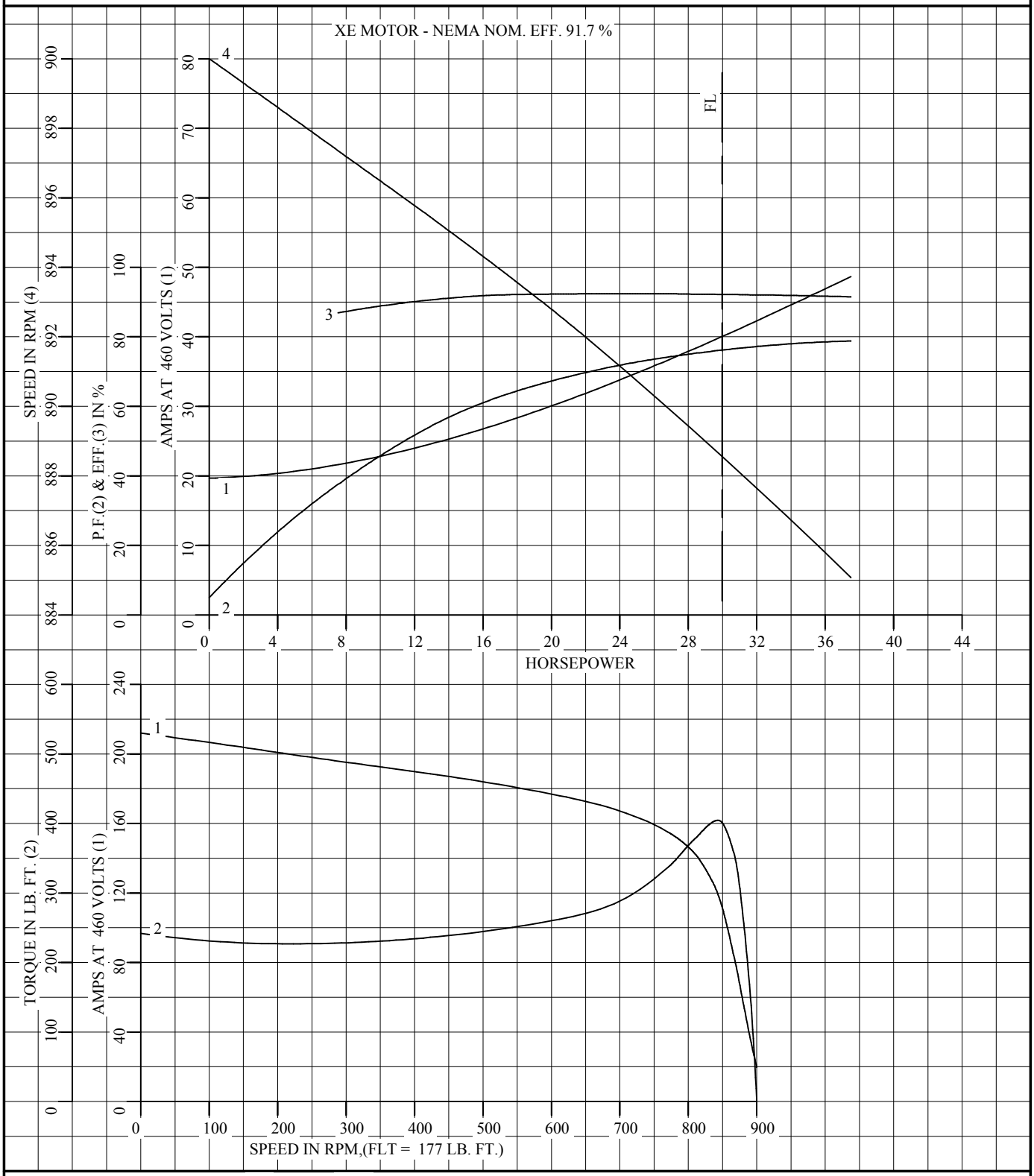
BALDOR
A MEMBER OF THE ABB GROUP

DR. BY E.J.CHRISTIAN
CK. BY E.J.CHRISTIAN
APP. BY J.P.TSAO
DATE 04/07/15

A-C MOTOR PERFORMANCE DATA

A36WG0229-R004
ISSUE DATE 08/22/19

REL S.O.	RPM 890	S.F. 1.15	ROTOR 418141-73-AE
FRAME 364TC	VOLTS 230/460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
HP 30	AMPS 80/40	CODE LETTER G	TEST DATE ---
TYPE P	DUTY CONT	ENCLOSURE TEFC	STATOR RES.@ 25 °C .0676/.270
PHASE/HERTZ 3/60	AMB °C/INSUL 40/F	E/S 591745	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

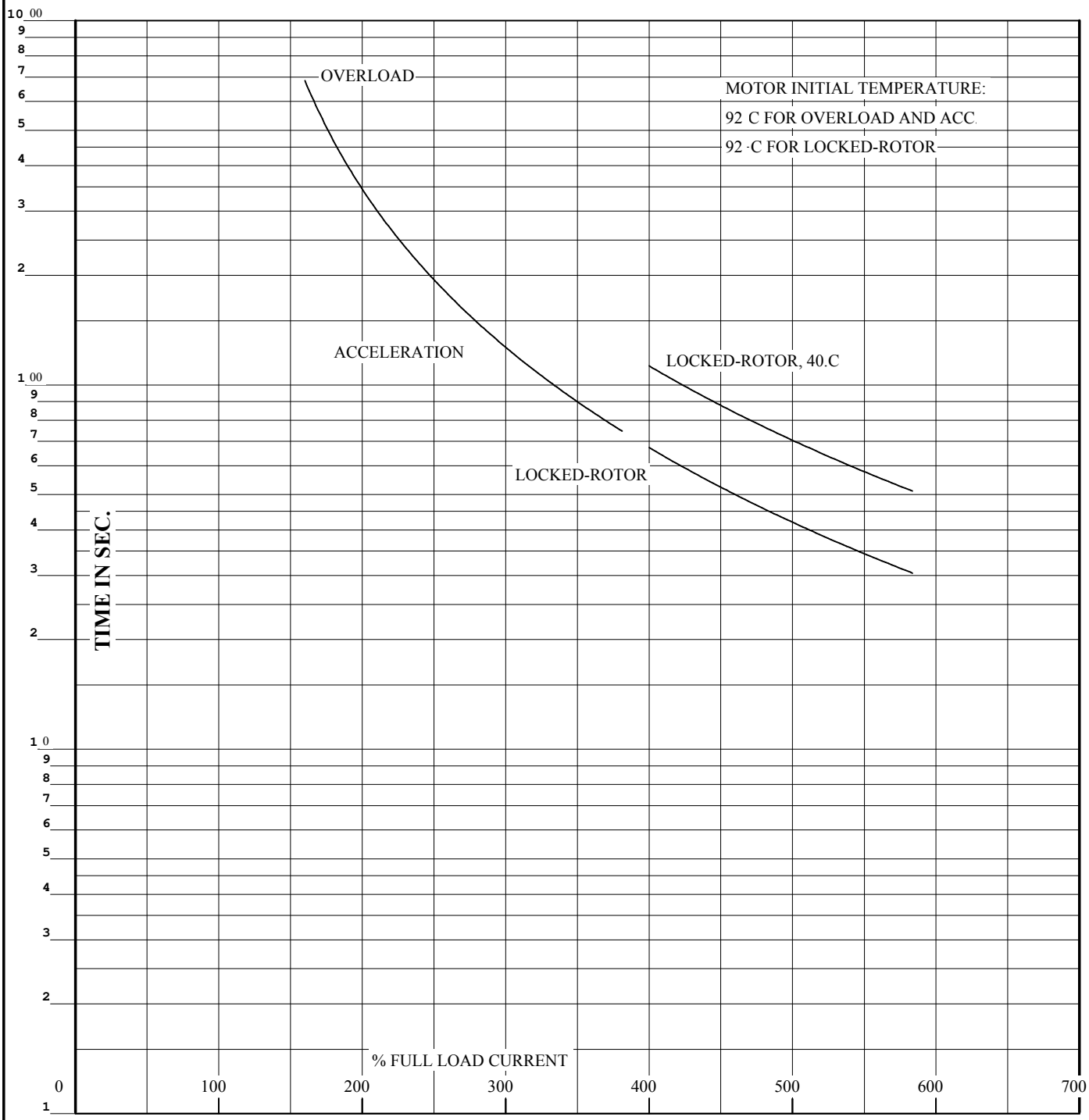
DR. BY	E.J.CHRISTIAN
CK. BY	E.J.CHRISTIAN
APP. BY	J.P.TSAO
DATE	04/07/15

A-C MOTOR PERFORMANCE CURVES

A36WG0229-R004

ISSUE DATE 08/22/19

REL. S.O.	RPM 890	S.F. 1.15	ROTOR 418141-73-AE
FRAME 364TC	VOLTS 230/460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
HP 30	AMPS 80/40	CODE LETTER G	TEST DATE ---
TYPE P	DUTY CONT	ENCLOSURE TEFC	STATOR RES.@ 25 °C.0676/.270
PHASE/HERTZ 3/60	AMB °C/INSUL 40/F	E/S 591745	OHMS (BETWEEN LINES)



THERMAL LIMIT CURVE

REMARKS: XE MOTOR - NEMA NOM. EFF. 91.7 %

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

617428-348

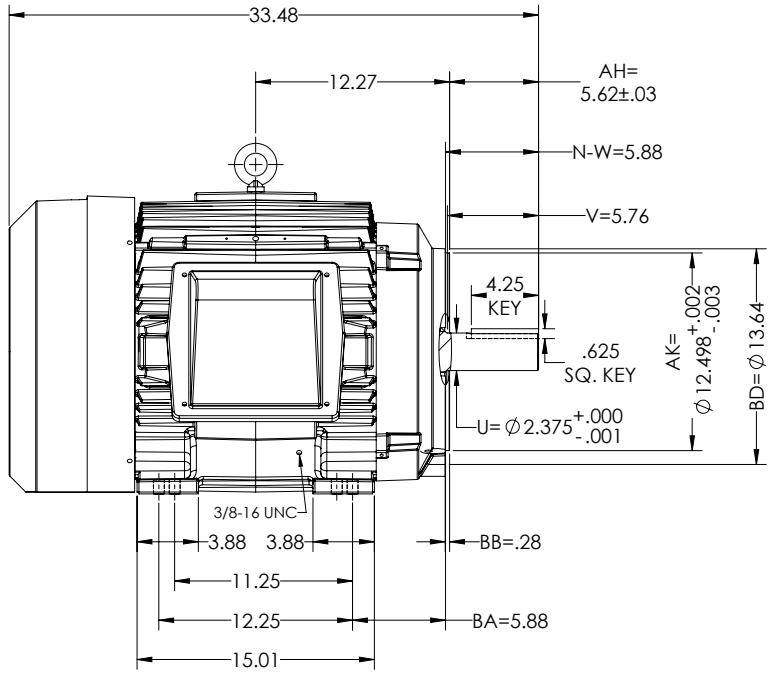
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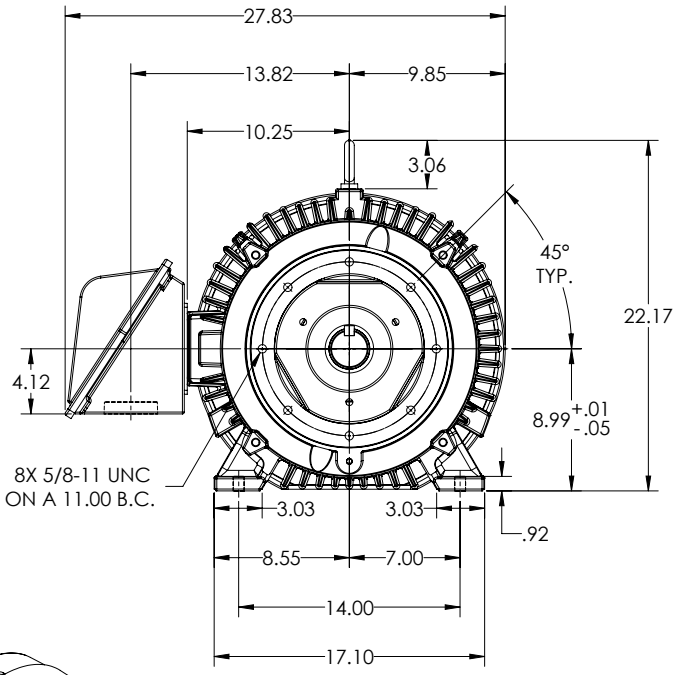
SQUIRREL-CAGE INDUCTION

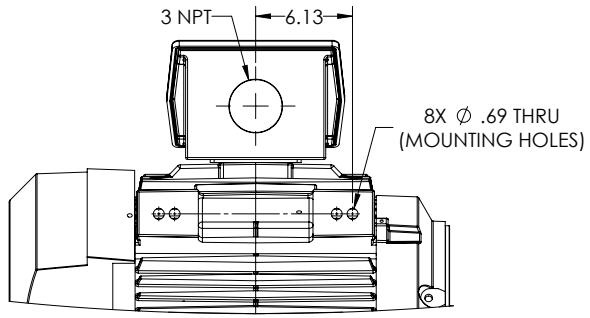
MOUNTING: FOOT, F-1 SIDE

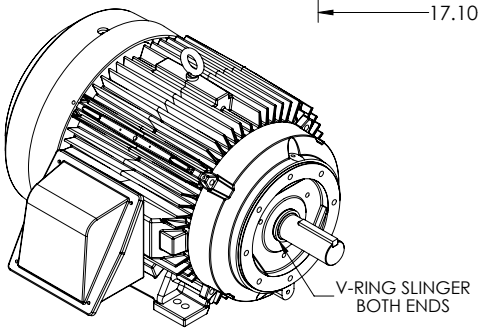
E365TC/E364TC MOUNTING HOLES

COOLING: FAN COOLED









SHEET NUMBER 1 OF 1

617428-348

FACE & ECCENTRICITY RUNOUT = .007 T.I.R. MAX.
IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.
MAX PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF STANDARD SHAFT EXTENSION IS .003" T.I.R.

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

REV. DESC: FROM AN AH OF 3.50 TO AN AH OF 5.62			
REV: A	VERSION: 01	REVISED: 08:21:20 03/21/2018	TDR: 000001065046
MODEL NO. 617428-348			
BY: USJEDIL		C	

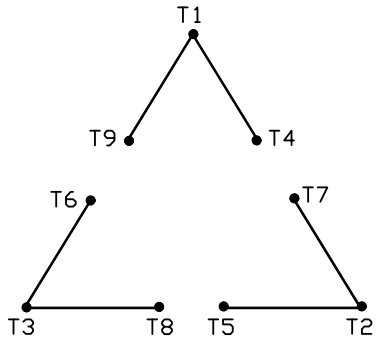
BALDOR

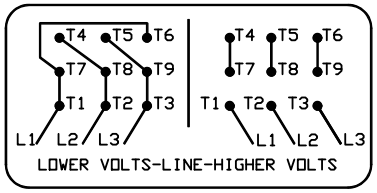
E365/364TC TEFC FOOT F1/C1 CONDUIT BOX/SLINGERS/GROUND TAP

617428-348

416820-002

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





(N. P. 1575-B)

REV. DESC: ADJUST TEXT DARKNESS		
REV. LTR: B	VERSION: 02	TDR: 000001285318
FILE: \RAG\00022\453	REVISED: 09:36:26 09/24/2026	BY: USJOSUL
MTL: –		

ABB

CONN DIAG – STANDARD 9 LEAD, DELTA-CONNECTED

SH1 of 1

416820-002