ABB BALDOR RELIANCE

Customer information packet

DRX36724T

75HP, 3555RPM, 3PH, 60HZ, 365TS, TEFC, F1
Class - CLI GP C,D
Division - Division I

Copyright © All product information within this document is subject to ABB Motors and Mechanical Inc. copyright © protection, unless otherwise noted.
11/16/2026 9:23:41 AM

Specifications

Enclosure	TEFC
Frame	365TS
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP C,D
Haz Area Division	Division I
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	CCSAUSEEV
	CSA
	UL
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Constant Torque Speed Range	6-60
Current @ Voltage	164.000 A @ 230.0 V
	81.800 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	93.6 %
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	81.8 a
Insulation Class	F
Inverter Code	Inverter Ready

Part Detail

Revision	-
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG0026
Layout	611742-779
Eff. date	05-29-2019
CD Diagram	416820-002
Poles	02
Leads	3#2,6#4
Proprietary	False
Created date	04-30-2019

IP Rating	NONE
KVA Code	F
Lifting Lugs	Standard Lifting Lugs
Max Speed	4200 rpm
Motor Lead Quantity/Wire Size	3 @ 2 AWG
Motor Standards	NEMA
Motor Type	A36068M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	31.35 IN
Power Factor	92
Product Family	General Industrial
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.00
Shaft Diameter	1.875 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	3555 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	Normally Closed Thermostat

Nameplate

NP2496L
MOBIL POLYREX EM

000692000FX

000613006PC			
CLASS I GROUP	C D X	**NO.**	
CLASS II GROUP	X X X		
OPERATING TEMP CODE	T3C		

NP3140L											
SPEC NO.	A36-5004-0026			**CAT.NO.**	DRX36724T					**FRAME**	365TS
HP	75	**VOLTS**	230/460		**PHASE**	3	**DESIGN**	B	**TYPE**	P	
RPM	3555	**AMPS**	164/81.8		**HZ**	60	**AMB**	40	**SF**	1.00	
DRIVE END BEARING	65BC03J30X			**DUTY**	CONT			**INSUL.CLASS**	F		
OPP D.E. BEARING	65BC03J30X			**ENCL**	TEFC	**CODE**	F				
SF	1.15	**WK2**	8.642	**MAG CUR**	31/15.5			**RPM MAX**	4200		
CT HZ	6-60	**VT HZ**	0-60	**CHP HZ**	60-70			**NEMA-NOM-EFF**	93.6		
	SUIT FOR 55C AMB AT 1.00 SF						IP55				
SER.NO.				**MOTOR WEIGHT**							

S/O	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	365TSC	75	P	3/60	3555	230/460

AMPS	DUTY	AMB °C/ INSUL	S.F.	NEMA DESIGN	CODE LETTER	ENCLOSURE
164/81.8	CONT	40/F	1.00	B	F	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	12.6	0
1/4	18.8	24.9	3589	78.9	89.3
2/4	37.5	41.4	3578	91.1	93.1
3/4	56.2	60.8	3567	92.3	93.9
4/4	75.0	81.8	3555	91.6	93.8
5/4	93.8	104	3542	90.9	93.3

SPEED TORQUE

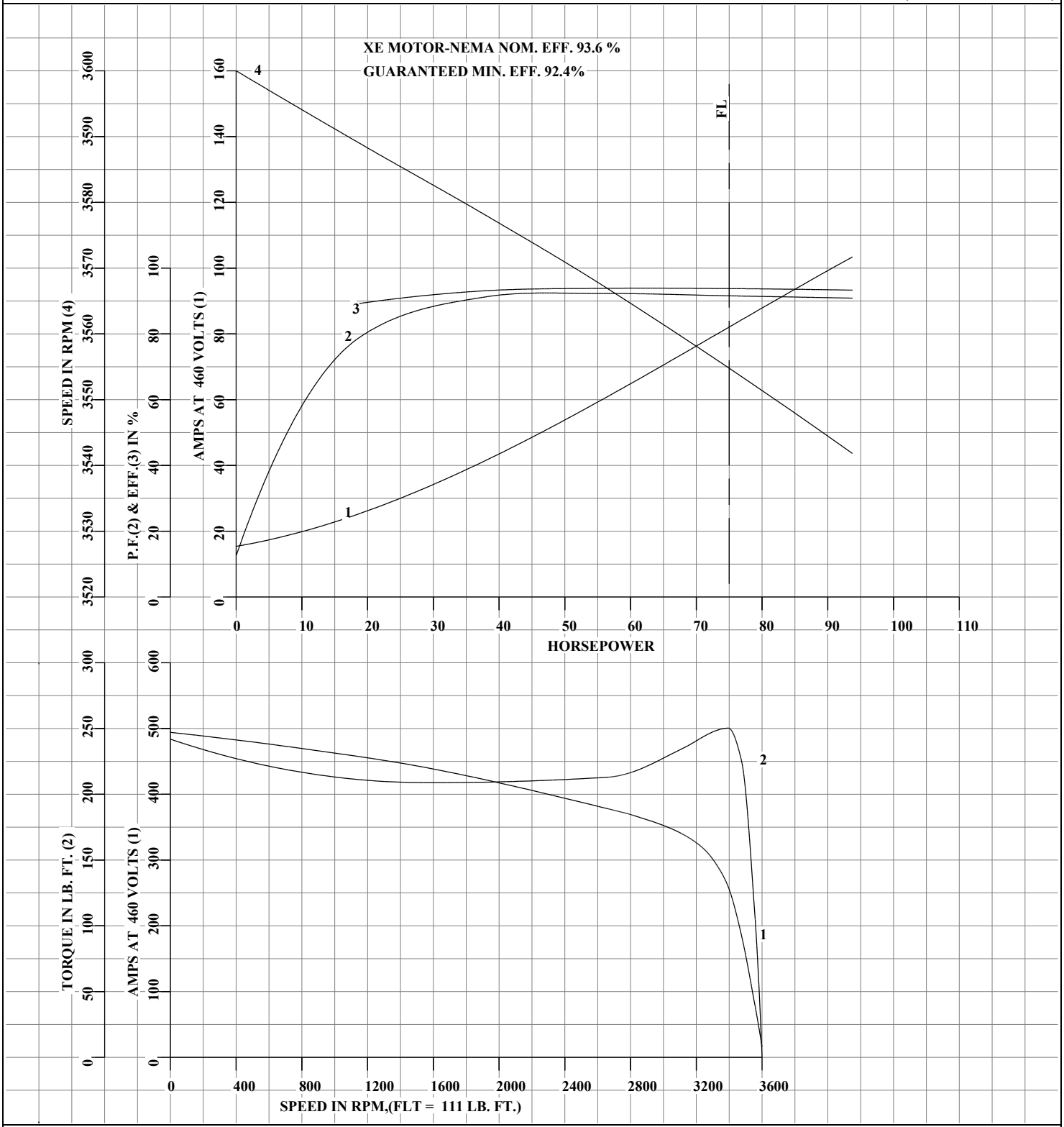
	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES
LOCKED ROTOR	0	218	242	494
PULL UP	1565	188	209	440
BREAKDOWN	3395	226	250	259
FULL LOAD	3555	100	111	81.8

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

TYPICAL DATA
XE MOTOR-NEMA NOM. EFF. 93.6 %
GUARANTEED MIN. EFF. 92.4%

ABB	DRAWN BY: C.E. JAMISON CHECKED BY: W.L. SMITH APPROVED BY: C.E. JAMISON DATE: 08/17/17	AC MOTOR PERFORMANCE DATA	A36WG0026-R004 DATE ISSUED 06/23/26

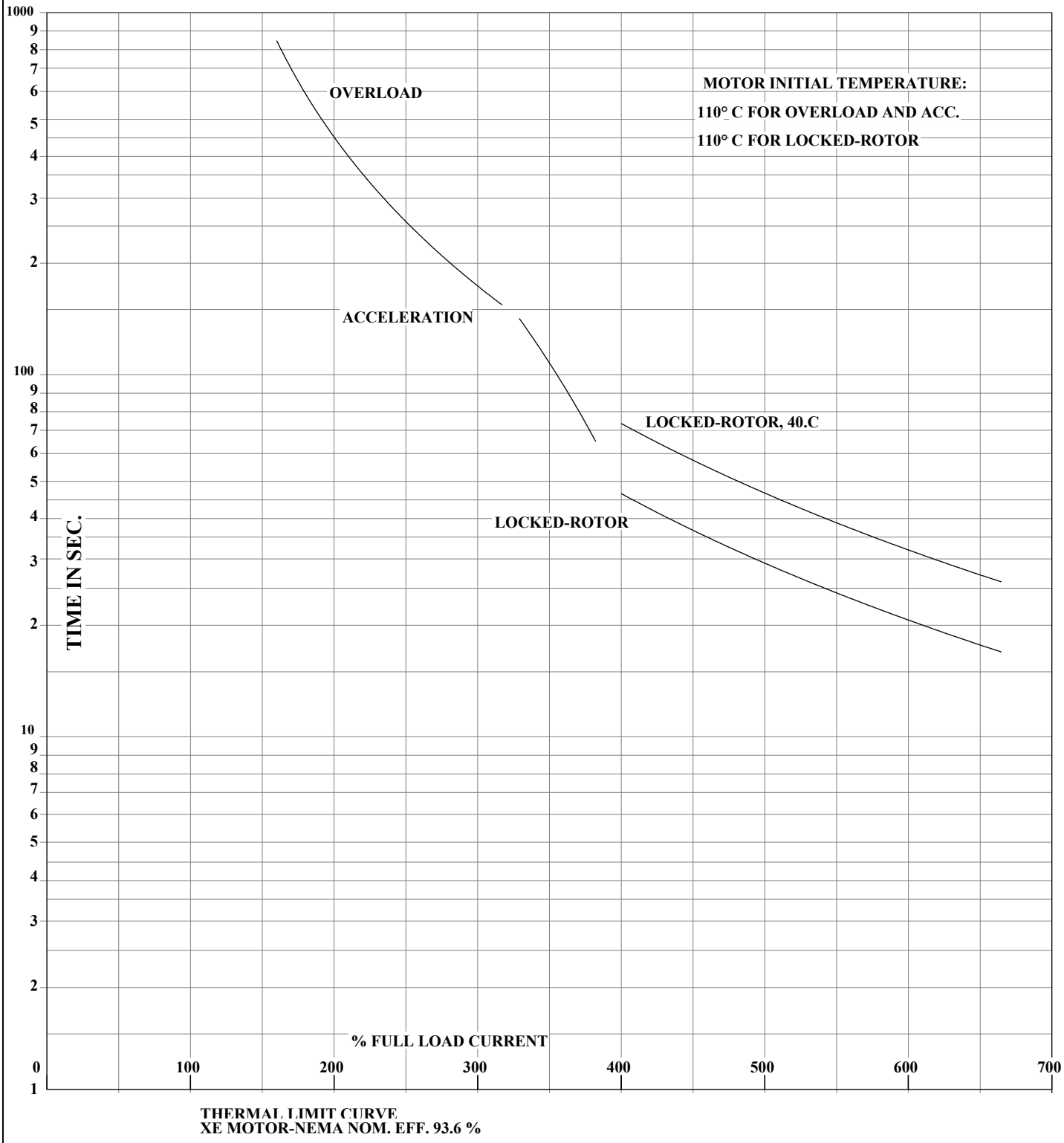
FRAME 365TSC	RPM 3555	S.F. 1.00	ROTOR 418141005TE
HP 75	VOLTS 230/460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
TYPE P	AMPS 164/81.8	CODE LETTER F	TEST DATE ---
PHASE / HERTZ 3/60	DUTY CONT	ENCLOSURE TEFC	STATOR RES. @ 25°C .0186/.0744
	AMB °C / INSUL 40/F	E/S 892019	OHMS (BETWEEN LINES)



AMPERES SHOWN FOR 230/460 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

ABB	DRAWN BY: C.E. JAMISON CHECKED BY: W.L. SMITH APPROVED BY: C.E. JAMISON DATE: 08/17/17	AC MOTOR PERFORMANCE DATA	A36WG0026-R004 ISSUE DATE 06/23/26

FRAME 365TSC	RPM 3555	S.F. 1.00	ROTOR 418141005TE
HP 75	VOLTS 230/460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
TYPE P	AMPS 164/81.8	CODE LETTER F	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)



THERMAL LIMIT CURVE
XE MOTOR-NEMA NOM. EFF. 93.6 %

AMPERES SHOWN FOR 230/460 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

ABB	DRAWN BY: C.E. JAMISON CHECKED BY: W.L. SMITH APPROVED BY: C.E. JAMISON DATE: 08/17/17	AC MOTOR PERFORMANCE DATA	A36WG0026-R004 ISSUE DATE 06/23/26

DUTY MASTER ALTERNATING CURRENT MOTORS

611742-779

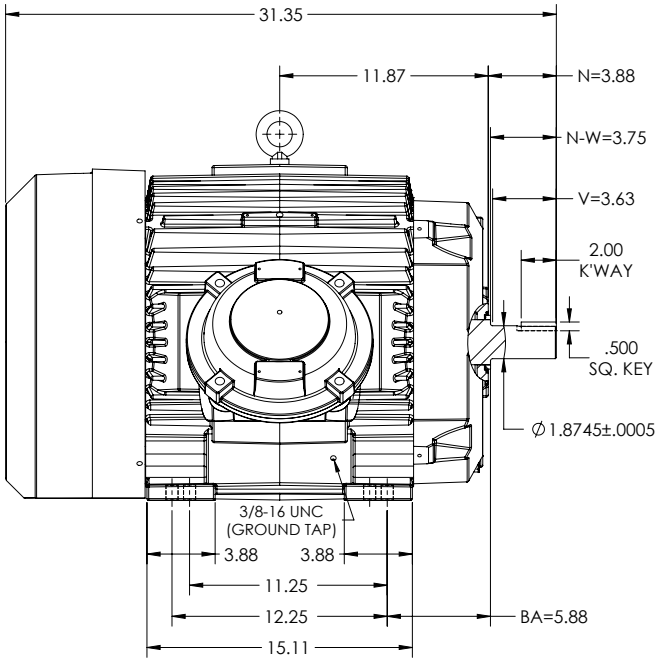
ENCLOSURE: TOTALLY ENCLOSED

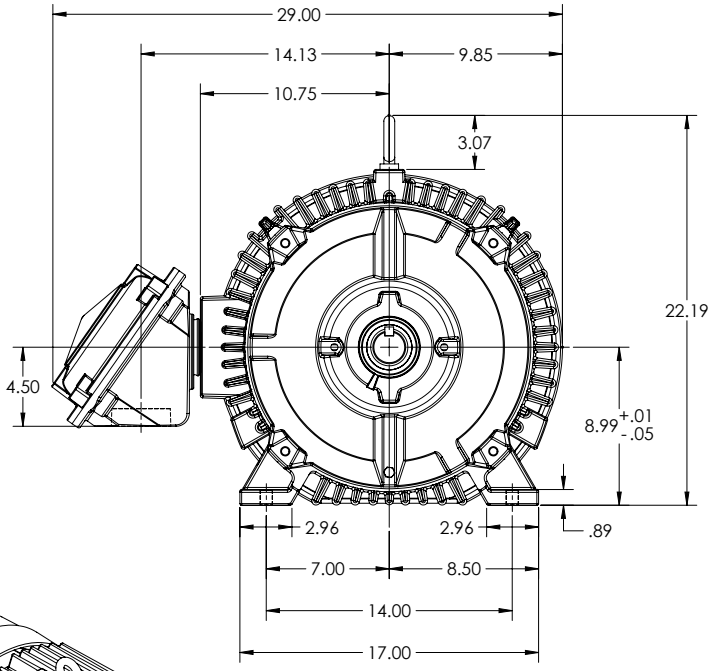
SQUIRREL-CAGE INDUCTION

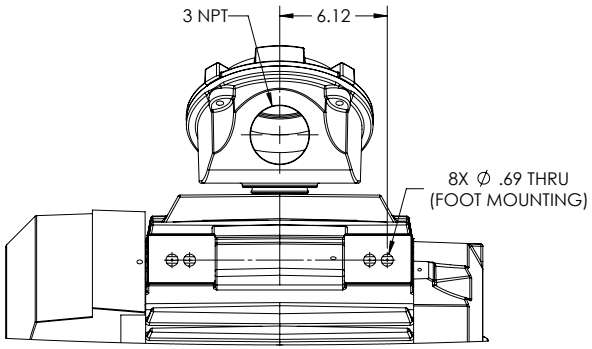
MOUNTING: FOOT, F-1

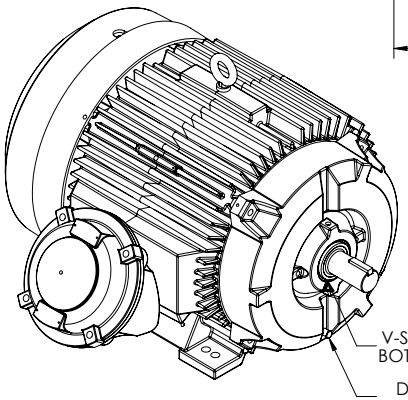
E365TS/E364TS FRAME MOUNTING HOLES

COOLING: FAN COOLED









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

SHEET NUMBER 1 OF 1

611742-779

MOTOR WEIGHT (LBS) = 944, MAY VARY BY 15% DEPENDING RATING.
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.

REV. DESC: NEW DRAWING			
REV: -	VERSION: 00	REVISED: 01:54:43 04/30/2019	TDR: 000001107162
MODEL NO. 611742-779			
BY: USJEDIL			C

BALDOR

E365/364TS FCXP F1 FOOT/CI CONDUIT BOX/GROUND TAP/DRAINS

611742-779

CONNECTION DIAGRAM

ACCESSORIES

MOTOR WINDING THERMOSTATS

CONTACTS _____ @ _____ °C

FIGURE NUMBER _____

CONTACT RATING

VOLTS	CONTINUOUS AMPERES	INRUSH AMPERES
110-120	3.0	30
220-240	1.5	15
440-480	0.75	7.5
550-600	0.60	6.0

THERMOSTATS

NORMALLY CLOSED

FIGURE 1

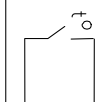


FIGURE 2

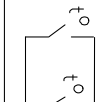


FIGURE 3

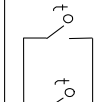
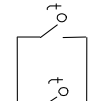


FIGURE 7



NORMALLY OPEN

FIGURE 4



FIGURE 5



FIGURE 6

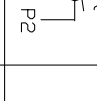


FIGURE 8



CUSTOMER _____ CUSTOMER ORDER NO. _____ S.O. NO. _____

41817 4-006

REV. DESC: LOADED TO BUS		
REV. LTR: A	VERSION: 01	TDR: 000000570390
FILE: \RAG\00013\849	REVISED: 10:16:21 12/07/2010	BY: RAGDRF
MTL: -		

BALDOR

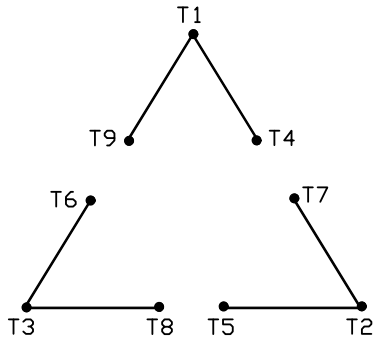
A-C MOTOR CONNECTION ACCESSORIES

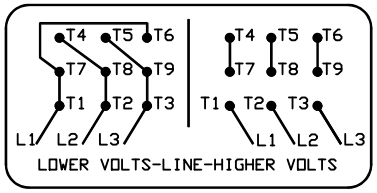
SH 1 of 1

418174-006

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