ABB BALDOR RELIANCE

Customer information packet

DRX36624T

60HP, 3560RPM, 3PH, 60HZ, 364TS, 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 9:23:33 AM

Specifications

Enclosure	TEFC
Frame	364TS
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	60.000 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	130.000 A @ 230.0 V
	65.100 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	65.1 a
Insulation Class	F
Inverter Code	Inverter Ready

Part Detail

Revision	-
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG1558
Layout	611742-779
Eff. date	05-29-2019
CD Diagram	416820-002
Poles	02
Leads	3#4,6#6
Proprietary	False
Created date	04-30-2019

IP Rating	NONE
KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Max Speed	4200 rpm
Motor Lead Quantity/Wire Size	3 @ 4 AWG
Motor Standards	NEMA
Motor Type	A36056M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	31.35 IN
Power Factor	91
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	3560 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.	A36-7814-1558		**CAT.NO.**	DRX36624T				**FRAME**	364TS		
HP	60	**VOLTS**	230/460	**PHASE**	3	**DESIGN**	B	**TYPE**	P		
RPM	3560	**AMPS**	130/65.1	**HZ**	60	**AMB**	40	**SF**	1.00		
DRIVE END BEARING	65BC03J30X		**DUTY**	CONT		**INSUL.CLASS**	F				
OPP D.E. BEARING	65BC03J30X		**ENCL**	TEFC	**CODE**	G					
SF	1.15	**WK2**		**MAG CUR**	28.8/14.4		**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**	1023						

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	364TS	60	P	3/60	3560	230/460

AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
130/65.1	CONT	40/F	1.00	B	G	TEFC

E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES.@25 °C OHMS (BETWEEN LINES)
491281	418141005XE	---	---	.0254/.101

PERFORMANCE

LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY
NO LOAD	0	14.4	3600	12.7	0
1/4	15.0	21.3	3590	74.9	87.8
2/4	30.0	34.0	3580	89.4	92.4
3/4	45.0	48.8	3569	92.4	93.5
4/4	60.0	65.1	3558	92.1	93.6
5/4	75.0	82.5	3546	91.3	93.3

SPEED TORQUE

	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES
LOCKED ROTOR	0	203	180	435
PULL UP	1565	175	155	355
BREAKDOWN	3397	231	205	212
FULL LOAD	3558	100	88.6	65.1

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%

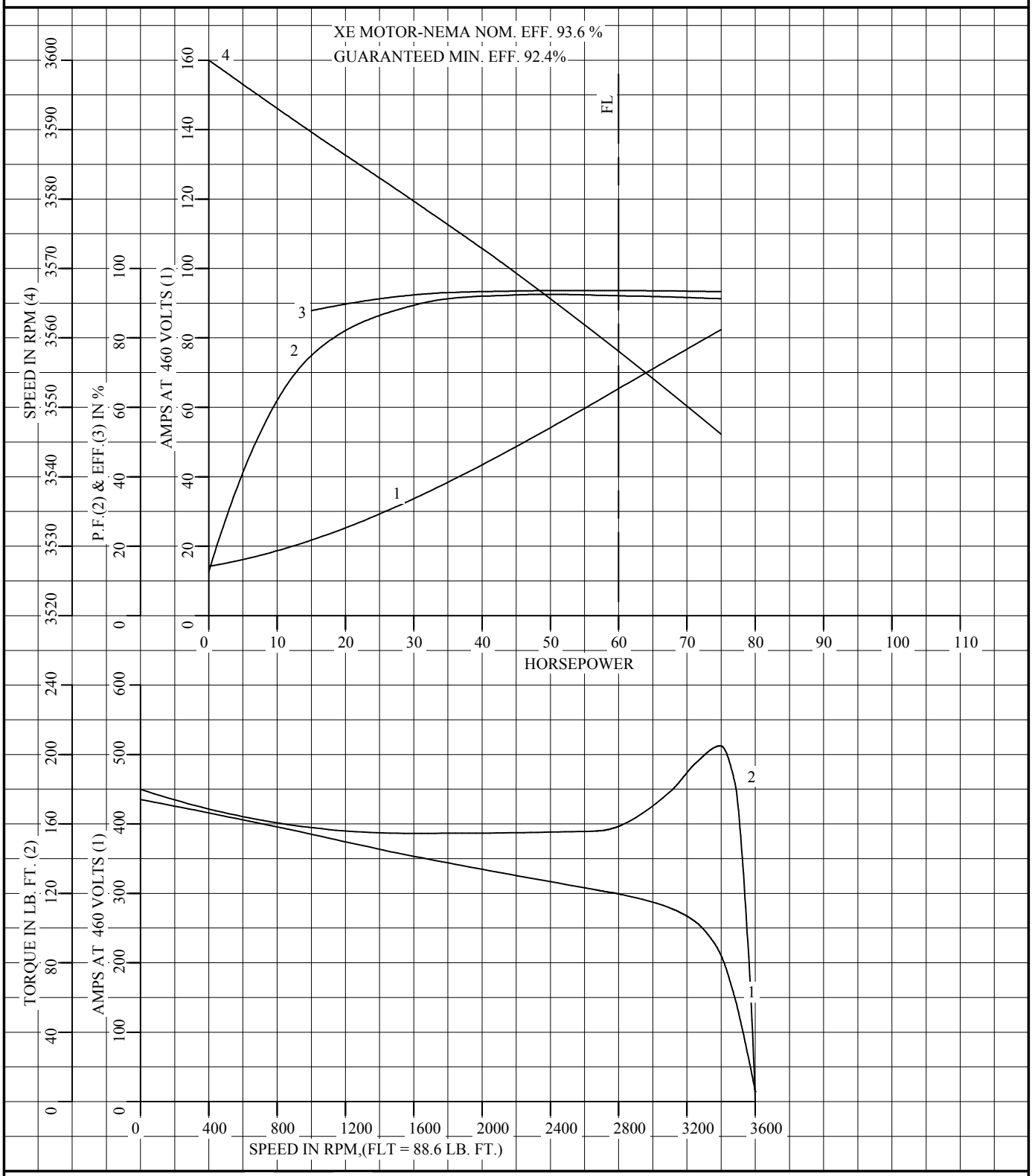
BALDOR
A MEMBER OF THE ABB GROUP

DR. BY W. L. SMITH
CK. BY G. R. WEBB
APP. BY D. M. BYRD
DATE 03/11/02

A-C MOTOR PERFORMANCE DATA

A36WG1558-R012
ISSUE DATE 04/30/19

REL S.O.	RPM 3560	S.F. 1.00	ROTOR 418141005XE
FRAME 364TS	VOLTS 230/460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
HP 60	AMPS 130/65.1	CODE LETTER G	TEST DATE ---
TYPE P	DUTY CONT	ENCLOSURE TEFC	STATOR RES.@ 25 °C .0254/.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

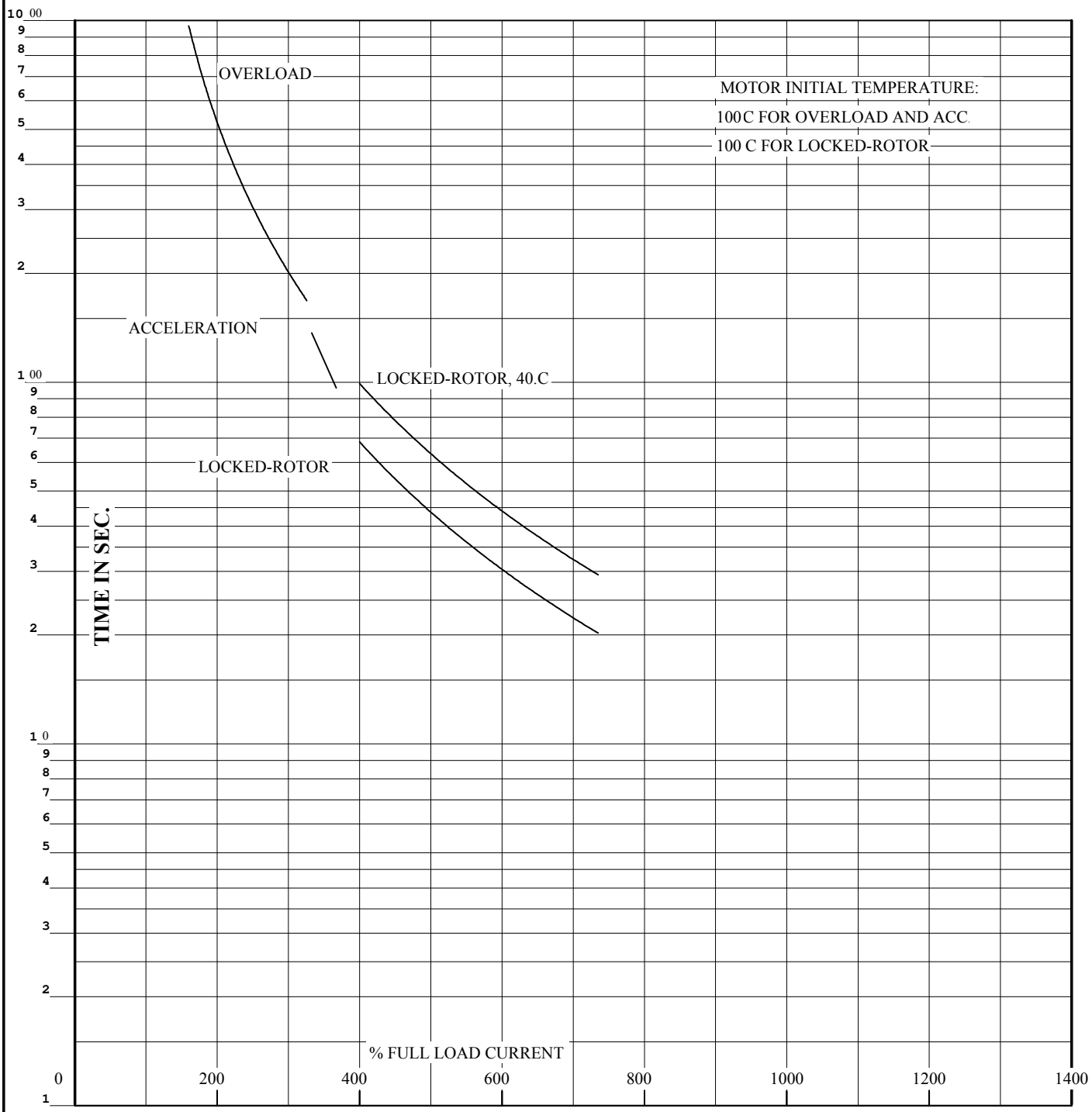
DR. BY	W. L. SMITH
CK. BY	G. R. WEBB
APP. BY	D. M. BYRD
DATE	03/11/02

A-C MOTOR PERFORMANCE CURVES

A36WG1558-R012

ISSUE DATE 04/30/19

REL. S.O.		RPM	3560	S.F.	1.00	ROTOR	418141005XE
FRAME	364TS	VOLTS	230/460	NEMA DESIGN	B	TEST S.O.	TYPICAL DATA
HP	60	AMPS	130/65.1	CODE LETTER	G	TEST DATE	---
TYPE	P	DUTY	CONT	ENCLOSURE	TEFC	STATOR RES.@ 25 °C	.0254/.101
PHASE/HERTZ	3/60	AMB °C/INSUL	40/F	E/S	491281		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	W. L. SMITH
CK. BY	G. R. WEBB
APP. BY	D. M. BYRD
DATE	03/11/02

A–C MOTOR PERFORMANCE CURVES

A36WG1558-R012

ISSUE DATE 04/30/19

DUTY MASTER ALTERNATING CURRENT MOTORS

611742-779

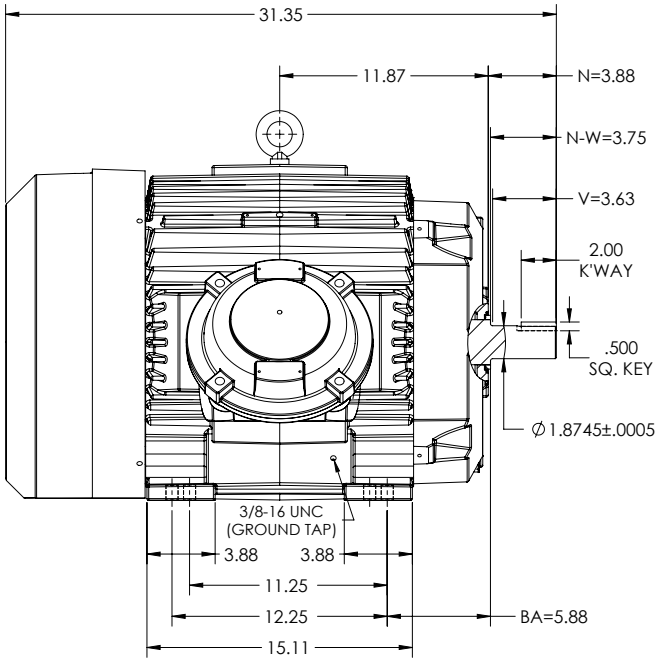
ENCLOSURE: TOTALLY ENCLOSED

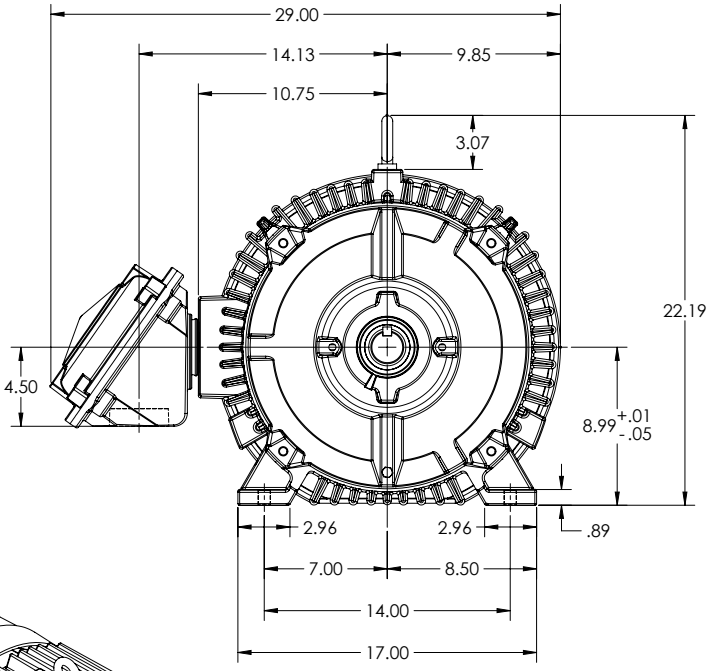
SQUIRREL-CAGE INDUCTION

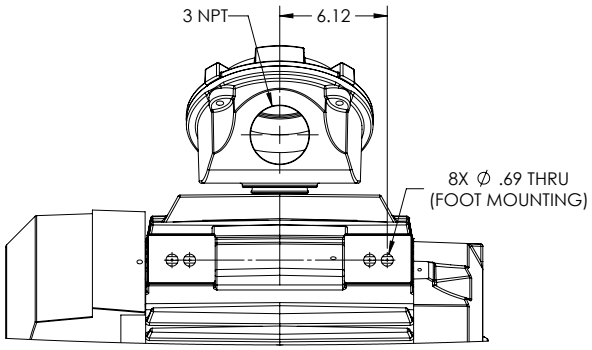
MOUNTING: FOOT, F-1

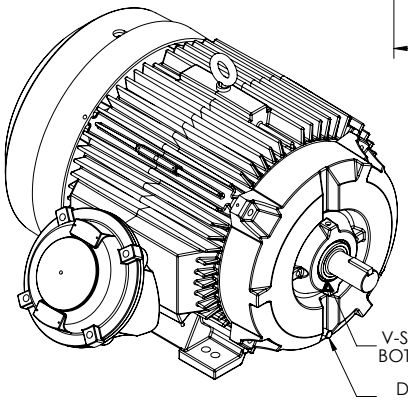
E365TS/E364TS FRAME MOUNTING HOLES

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

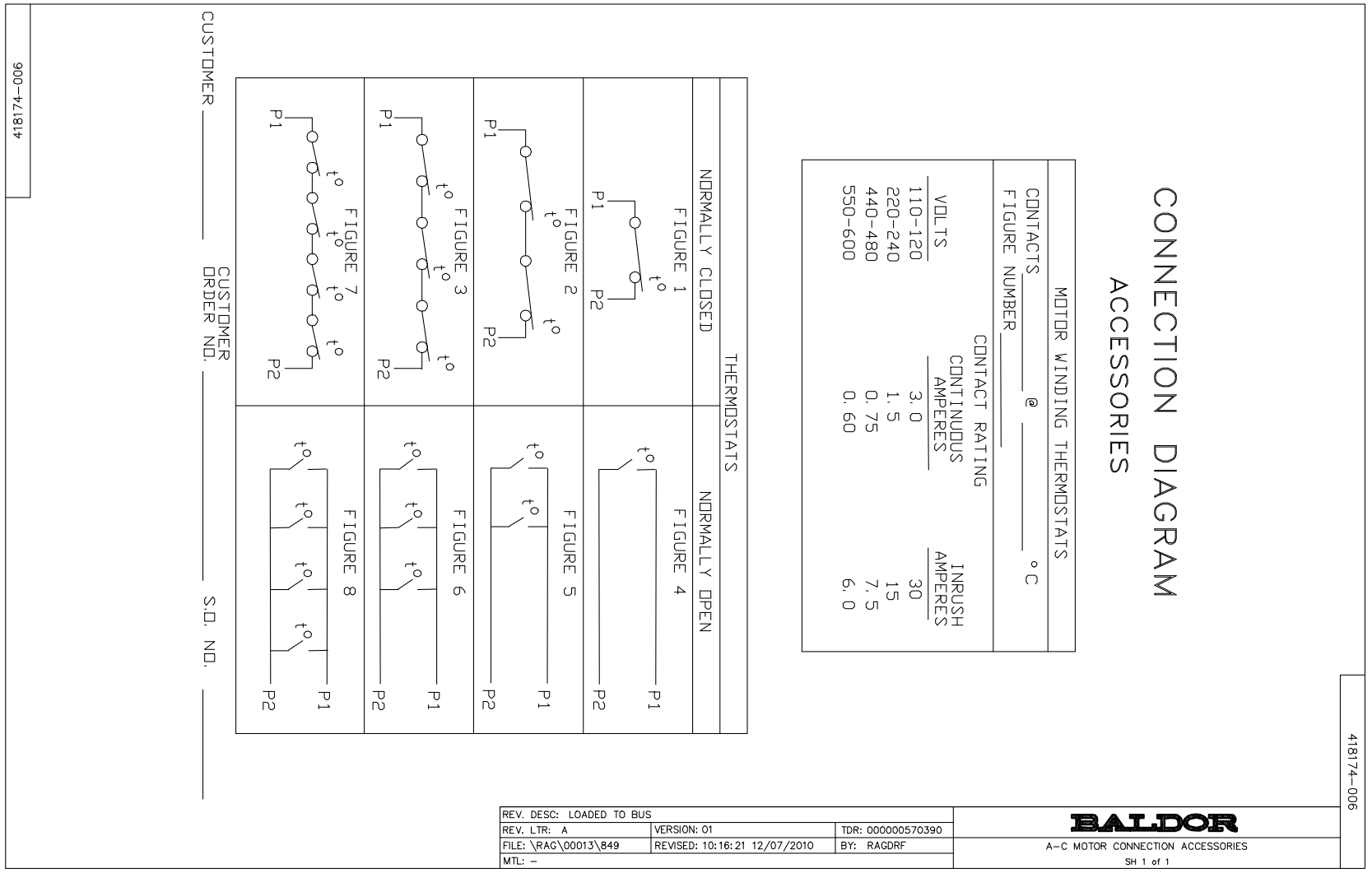
MOTOR WEIGHT (LBS) = 944, MAY VARY BY 15% DEPENDING RATING.
IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.
MAX PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF STANDARD SHAFT EXTENSION IS .003" T.I.R.

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

BALDOR

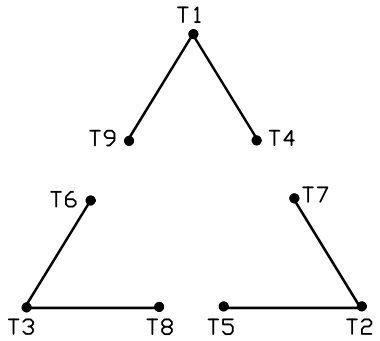
E365/364TS FCXP F1 FOOT/CI CONDUIT BOX/GROUND TAP/DRAINS

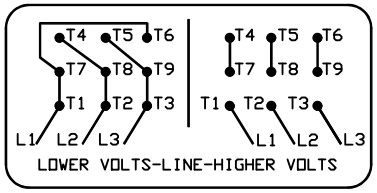
611742-779


CONNECTION DIAGRAM
ACCESSORIES
418174-006
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
NORMALLY OPEN
FIGURE 1
FIGURE 2
FIGURE 3
FIGURE 4
FIGURE 5
FIGURE 6
FIGURE 7
FIGURE 8
P1
P2
t°
CUSTOMER
CUSTOMER ORDER NO.
S.O. NO.
418174-006
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

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