ABB BALDOR RELIANCE

Customer information packet

EM251302T-4

300HP, 3565RPM, 3PH, 60HZ, 447TS, A44084M, DP
Class - None
Division - Not Applicable

Copyright © All product information within this document is subject to ABB Motors and Mechanical Inc. copyright © protection, unless otherwise noted.
11/1/2026 6:05:25 AM

Specifications

Enclosure	DP
Frame	447TS
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	300.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	CURUSEEV
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	334.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.4 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	334.0 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	NONE
KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Motor Lead Quantity/Wire Size	6 @ 2/0 AWG
Motor Standards	NEMA
Motor Type	A44084M

Part Detail

Revision	F
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG4106
Layout	604989-483
Eff. date	09-25-2025
CD Diagram	416820-008
Poles	02
Leads	6#2/0
Proprietary	False
Created date	02-12-2015

Mounting Arrangement	F1
Number of Poles	2
Overall Length	39.37 IN
Power Factor	88
Product Family	General Industrial
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft Diameter	2.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3565 rpm
Speed Code	Single Speed
Starting Method	Wye Start - Delta Run
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP2496L
MOBIL POLYREX EM

NP2349L												
SPEC NO.	A44-6805-4106	**CAT.NO.**	EM251302T-4							**FRAME**	447TS	
HP	300	**VOLTS**	460	**PHASE**	3	**DESIGN**	B	**TYPE**	P			
RPM	3565	**AMPS**	334	**HZ**	60	**AMB**	40	**SF**	1.15			
DRIVE END BEARING	65BC03J30X	**DUTY**	CONT	**INSUL.CLASS**	F							
OPP D.E. BEARING	65BC03J30X	**ENCL**	DP	**CODE**	G							
SER.NO.		**POWER FACTOR**	88					**NEMA-NOM-EFFICIENCY**	95.4			
						MAX CORR KVAR	49	**GUARANTEED EFFICIENCY**	94.5			
						NEMA NOM/CSA QUOTED EFF						
								MOTOR WEIGHT				

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	447TSC	300	P	3/60	3565	460

AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
334	CONT	40/F	1.15	B	G	DP-Guar

E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES.@25 °C OHMS (BETWEEN LINES)
833373	418143016EE	---	---	.0127

PERFORMANCE

LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY
NO LOAD	0	93.0	3600	6.24	0
1/4	75.0	124	3592	61.8	91.8
2/4	150	184	3584	80.6	94.8
3/4	225	256	3575	86.5	95.4
4/4	300	334	3567	88.0	95.4
5/4	375	415	3557	88.9	95.1

SPEED TORQUE

	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES
LOCKED ROTOR	0	210	925	2200
PULL UP	1800	190	841	1895
BREAKDOWN	3414	261	1151	1200
FULL LOAD	3567	100	442	334

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

REMARKS: TYPICAL DATA
NEMA NOM. EFF. 95.4 PCT

BALDOR
A MEMBER OF THE ABB GROUP

DR. BY W. L. SMITH
CK. BY J.J.HARRISON
APP. BY W. L. SMITH
DATE 02/06/12

A-C MOTOR PERFORMANCE DATA

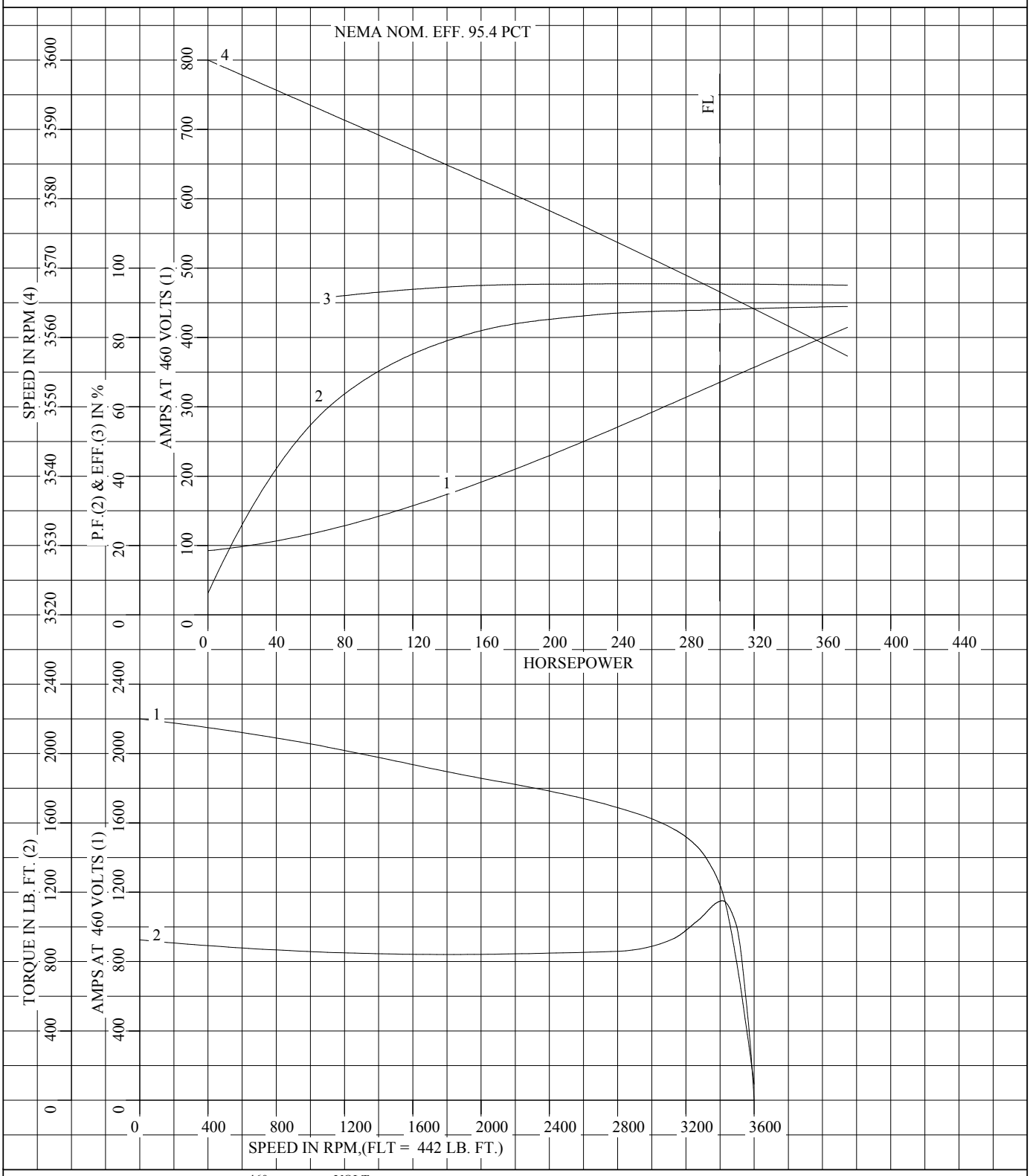
A44WG4106-R002
ISSUE DATE 11/12/13

Printed on 11/12/13 14:15 @ psecs-motore

ABB BALDOR RELIANCE

CUSTOMER INFORMATION PACKET EM251302T-4 - 300HP, 3565RPM, 3PH, 60HZ, 447TS, A44084M, DP

FRAME 447TSC	RPM 3565	S.F. 1.15	ROTOR 418143016EE
HP 300	VOLTS 460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
TYPE P	AMPS 334	CODE LETTER G	TEST DATE ---
PHASE/HERTZ 3/60	DUTY CONT	ENCLOSURE DP-Guar	STATOR RES.@ 25 ℃ .0127
	AMB ℃/INSUL 40/F	E/S 833373	OHMS (BETWEEN LINES)



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

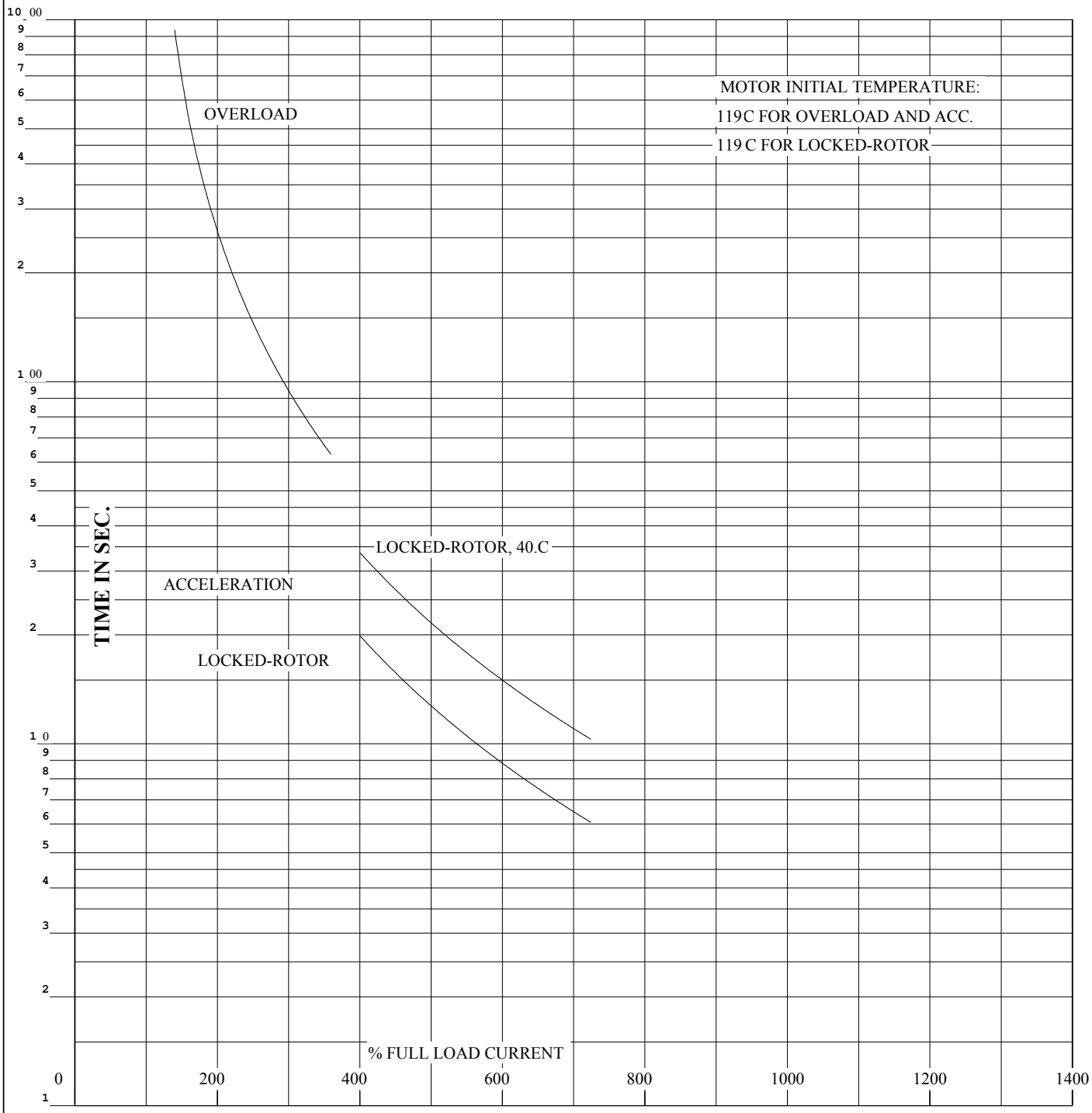
BALDOR
A MEMBER OF THE ABB GROUP

DR. BY	W. L. SMITH
CK. BY	J.J.HARRISON
APP. BY	W. L. SMITH
DATE	02/06/12

A-C MOTOR PERFORMANCE CURVES A44WG4106-R002 ISSUE DATE 11/12/13

Printed on 11/12/13 14:15 @ psecs-motoreng

REL. S.O.	RPM 3565	S.F. 1.15	ROTOR 418143016EE
FRAME 447TSC	VOLTS 460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
HP 300	AMPS 334	CODE LETTER G	TEST DATE ---
TYPE P	DUTY CONT	ENCLOSURE DP-Guar	STATOR RES.@ 25 ℃.0127
PHASE/HERTZ 3/60	AMB ℃/INSUL 40/F	E/S 833373	OHMS (BETWEEN LINES)



THERMAL LIMIT CURVE

REMARKS: NEMA NOM. EFF. 95.4 PCT

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	J.J.HARRISON
APP. BY	W. L. SMITH
DATE	02/06/12

A-C MOTOR PERFORMANCE CURVES A44WG4106-R002 ISSUE DATE 11/12/13

DUTY MASTER ALTERNATING CURRENT MOTORS

604989-483

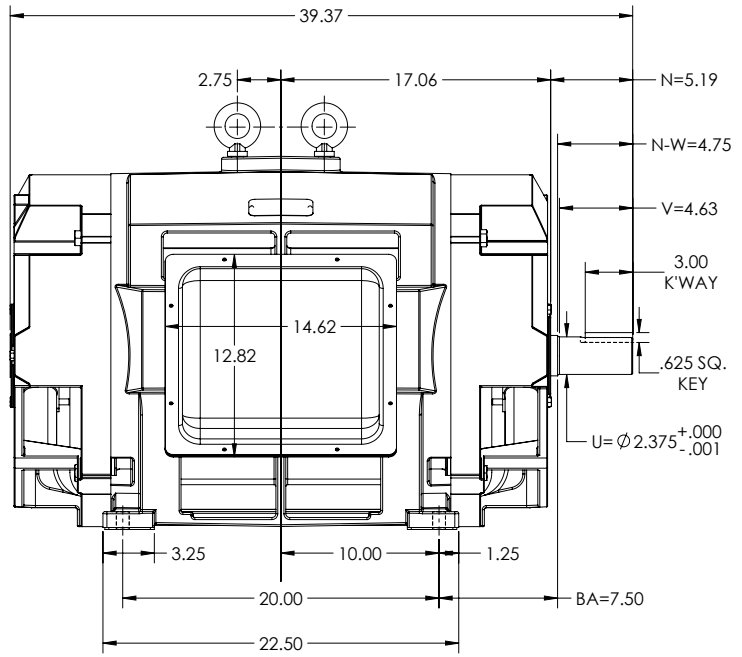
ENCLOSURE: TOTALLY ENCLOSED

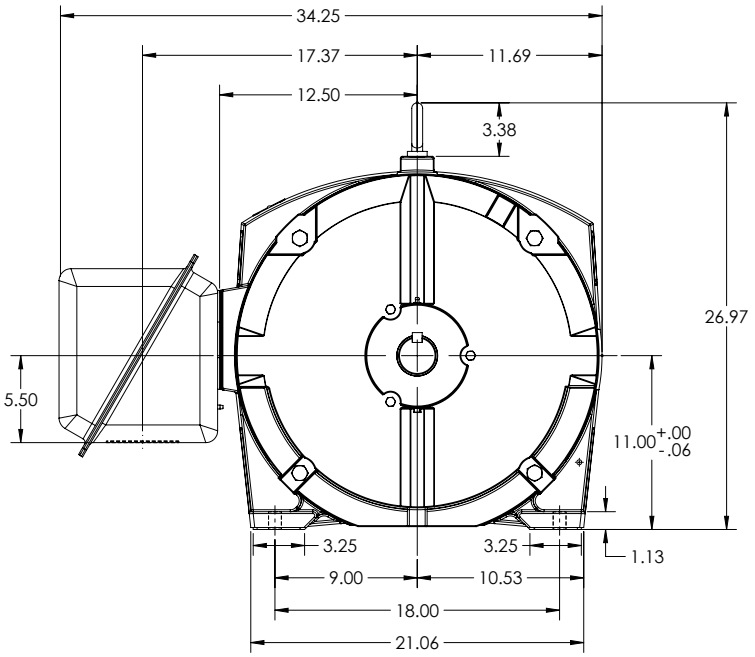
SQUIRREL-CAGE INDUCTION

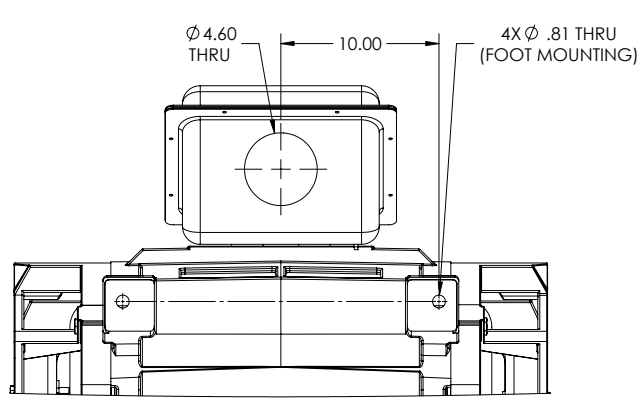
MOUNTING: FOOT, F-1

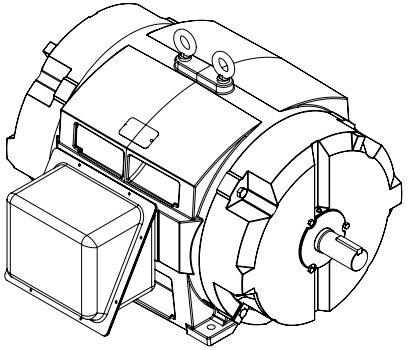
E447TS FRAME DESIGN

COOLING: OPEN DRIP-PROOF









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

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.

SHEET NUMBER 1 OF 1

604989-483

REV. DESC: UPDATE DS QUALITY			
REV: C	VERSION: 03	REVISED: 01:01:24 09/15/2025	TDR: 000001262936
MODEL NO. 604989-483			
BY: USJEDIL			C

BALDOR

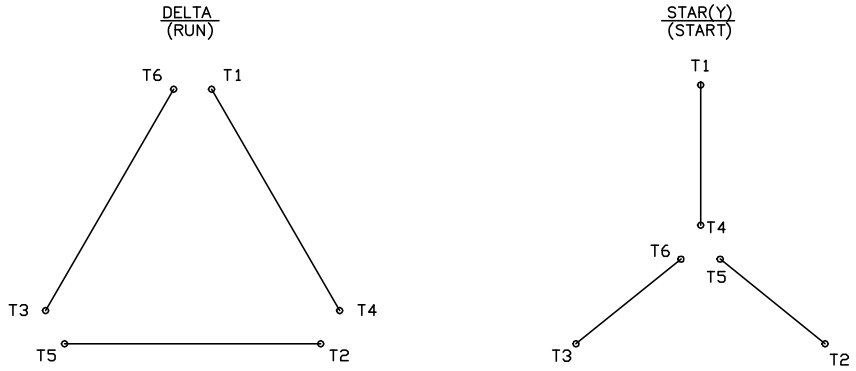
E447TS ODP FOOT F1/STEEL CONDUIT BOX

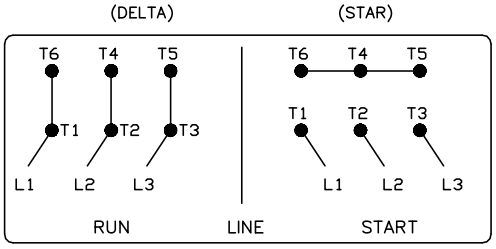
604989-483

416820-008

A-C MOTOR CONNECTION DIAGRAM

STANDARD 6 LEAD Y START - DELTA RUN





(N. P. 1767-DC)

REV. DESC: ADDED T4 TO Y CONNECT DIAGRAM		
REV. LTR: D	VERSION: 04	TDR: 000000847713
FILE: \RAG\00001\808	REVISED: 10:41:26 04/08/2014	BY: RAGJSS1
MTL: -		

BALDOR

CONNECT DIAGRAM STD 6 LEAD Y START DELTA RUN

SH 1 of 1

416820-008