ABB BALDOR RELIANCE

Customer information packet

EM251352T-4

350HP, 3560RPM, 3PH, 60HZ, 447TSS, A44084M, DP
Class - None
Division - Not Applicable

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11/1/2026 6:00:50 AM

Specifications

Enclosure	DP
Frame	447TSSTS
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	350.000 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	381.000 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	381.0 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	NONE
KVA Code	F
Lifting Lugs	Standard Lifting Lugs
Motor Lead Quantity/Wire Size	12 @ 2 AWG
Motor Standards	NEMA
Motor Type	A44084M

Part Detail

Revision	J
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG2772
Layout	604989-483
Eff. date	09-25-2025
CD Diagram	416820-008
Poles	02
Leads	6#2 (02 per group)
Proprietary	False
Created date	02-12-2015

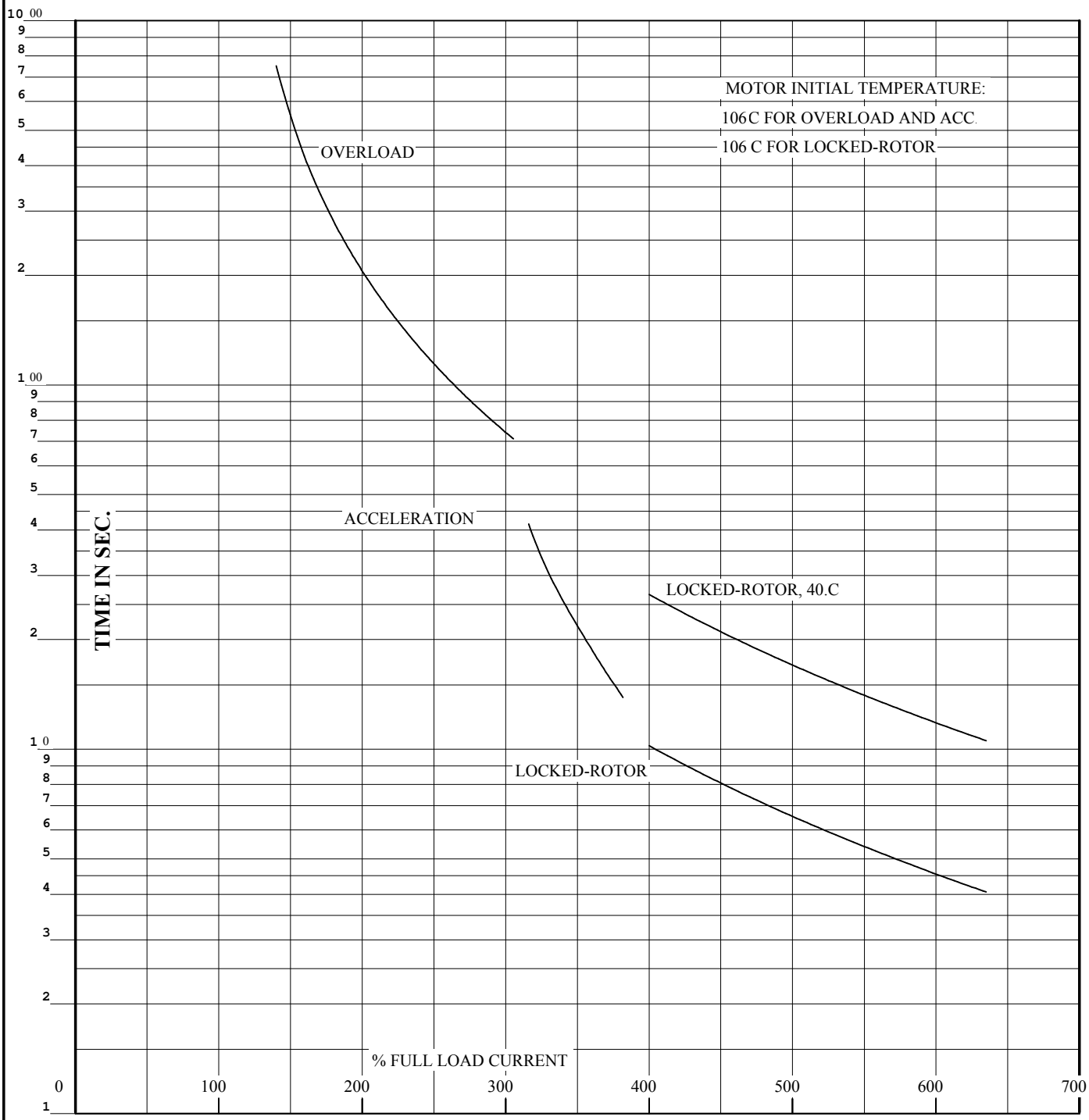
Mounting Arrangement	F1
Number of Poles	2
Overall Length	39.37 IN
Power Factor	90
Product Family	General Industrial
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft Diameter	2.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3560 rpm
Speed Code	Single Speed
Starting Method	Wye Start - Delta Run
Thermal Device - Bearing	None

Nameplate

NP2496L
MOBIL POLYREX EM

NP2349L												
SPEC NO.	A44-6795-2772	**CAT.NO.**	EM251352T-4							**FRAME**	447TSS/T	
HP	350	**VOLTS**	460	**PHASE**	3	**DESIGN**	B	**TYPE**	P			
RPM	3560	**AMPS**	381	**HZ**	60	**AMB**	40	**SF**	1.15			
DRIVE END BEARING	65BC03J30X	**DUTY**	CONT	**INSUL.CLASS**	F							
OPP D.E. BEARING	65BC03J30X	**ENCL**	DP	**CODE**	F							
SER.NO.		**POWER FACTOR**	90					**NEMA-NOM-EFFICIENCY**	95.4			
						MAX CORR KVAR	45	**GUARANTEED EFFICIENCY**	94.5			
						NEMA NOM/CSA QUOTED EFF						
										MOTOR WEIGHT		

REL. S.O.	RPM 3560	S.F. 1.15	ROTOR 4181430142E
FRAME 447TS	VOLTS 460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
HP 350	AMPS 381	CODE LETTER F	TEST DATE ---
TYPE P	DUTY CONT	ENCLOSURE ODP	STATOR RES.@ 25 ℃.0127
PHASE/HERTZ 3/60	AMB ℃/INSUL 40/B	E/S 433582	OHMS (BETWEEN LINES)



REMARKS:

THERMAL LIMIT CURVE

NEMA NOM. EFF. 95.4 PCT

CALCULATED

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

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	447TS	350	P	3/60	3560	460

AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
381	CONT	40/B	1.15	B	F	ODP

E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES.@25 °C OHMS (BETWEEN LINES)
433582	418143014ZE	---	---	.0127

PERFORMANCE

LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY
NO LOAD	0	85.7	3600	5.80	0
1/4	87.6	125	3590	70.3	93.6
2/4	175	199	3580	86.1	95.6
3/4	262	287	3569	89.3	95.8
4/4	350	381	3558	90.0	95.5
5/4	438	478	3545	90.3	95.0

SPEED TORQUE

	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES
LOCKED ROTOR	0	174	900	2200
PULL UP	1800	158	818	1895
BREAKDOWN	3428	220	1136	1164
FULL LOAD	3558	100	517	381

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
CALCULATED

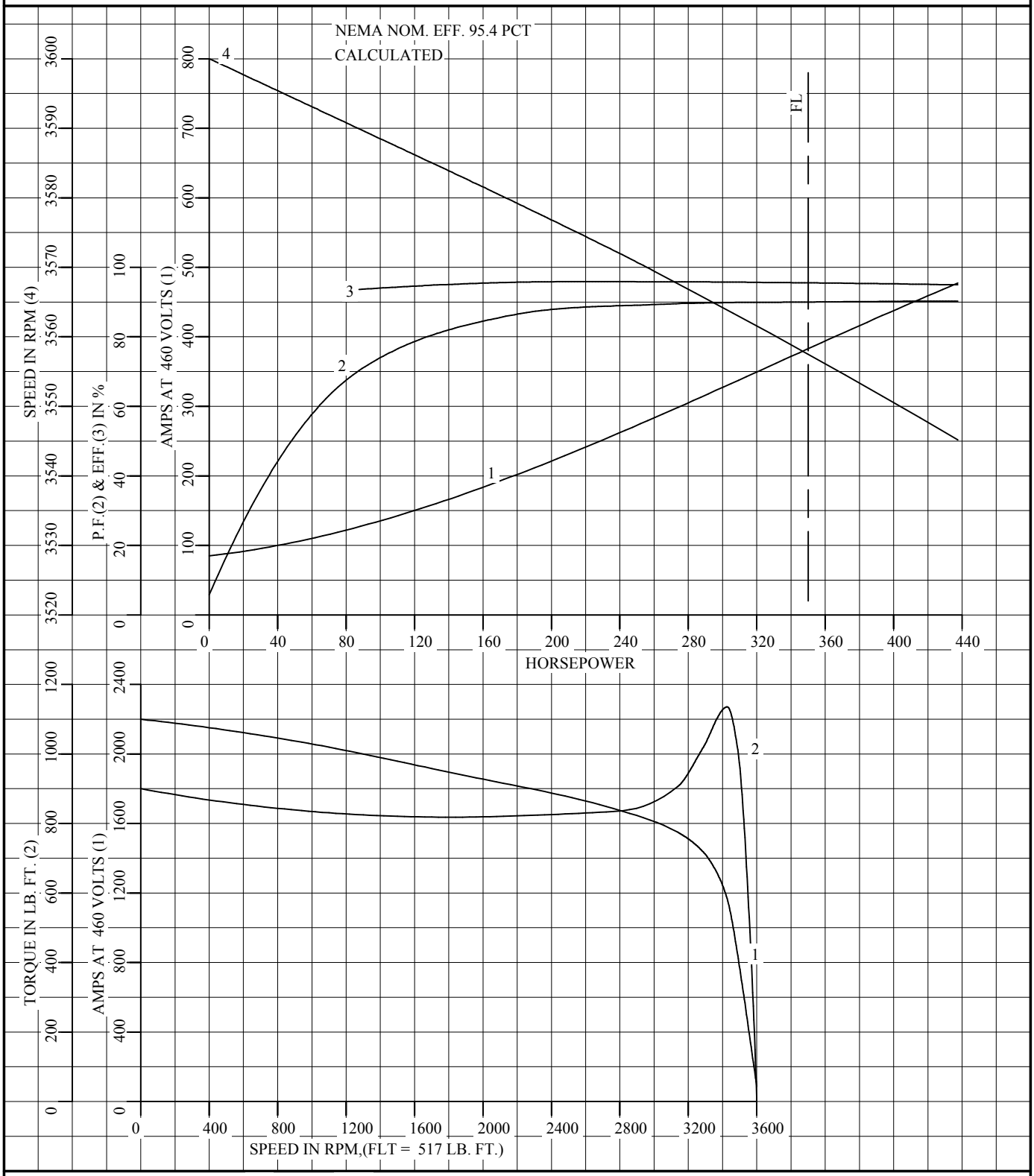
BALDOR
A MEMBER OF THE ABB GROUP

DR. BY E.J.CHRISTIAN
CK. BY E.J.CHRISTIAN
APP. BY T.G.KELATI
DATE 08/12/15

A-C MOTOR PERFORMANCE DATA

A44WG2772-R004
ISSUE DATE 08/12/15

REL S.O.	RPM 3560	S.F. 1.15	ROTOR 418143014ZE
FRAME 447TS	VOLTS 460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
HP 350	AMPS 381	CODE LETTER F	TEST DATE ---
TYPE P	DUTY CONT	ENCLOSURE ODP	STATOR RES.@ 25 °C .0127
PHASE/HERTZ 3/60	AMB °C/INSUL 40/B	E/S 433582	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	T.G.KELATI
DATE	08/12/15

A-C MOTOR PERFORMANCE CURVES

A44WG2772-R004

ISSUE DATE 08/12/15

DUTY MASTER ALTERNATING CURRENT MOTORS

604989-483

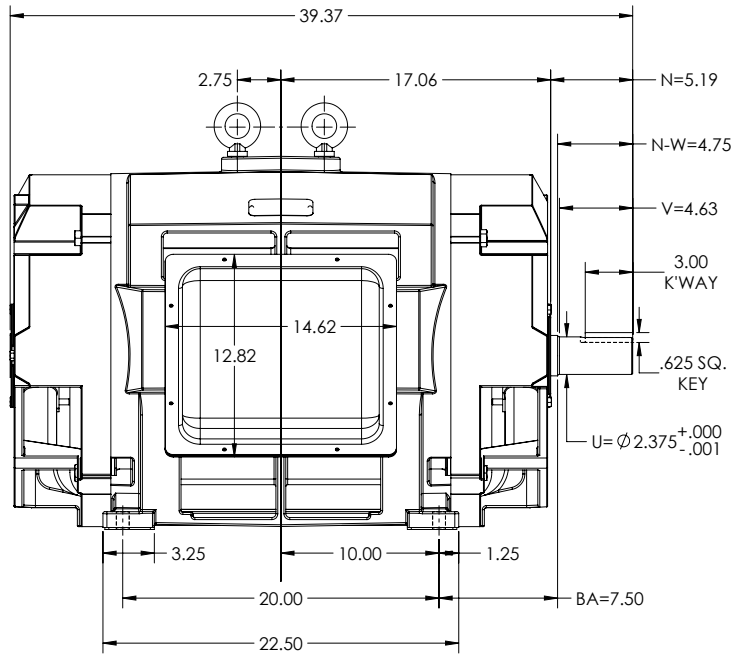
ENCLOSURE: TOTALLY ENCLOSED

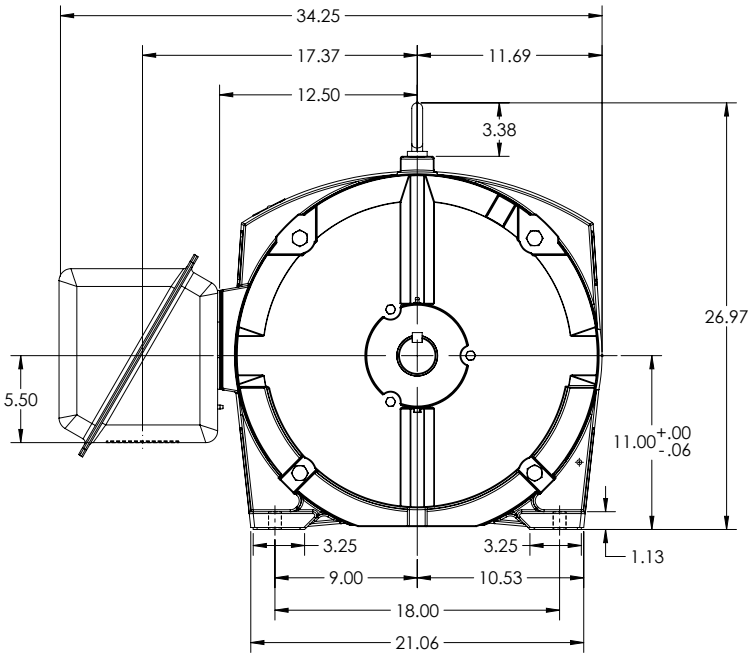
SQUIRREL-CAGE INDUCTION

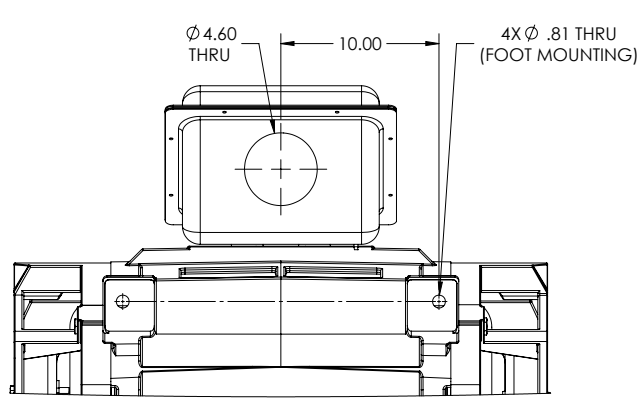
MOUNTING: FOOT, F-1

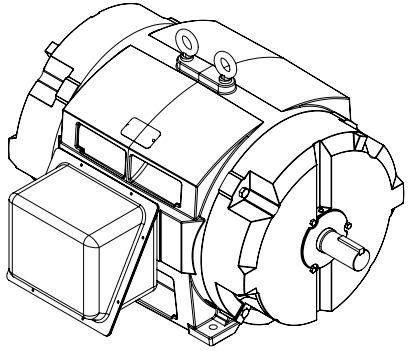
E447TS FRAME DESIGN

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

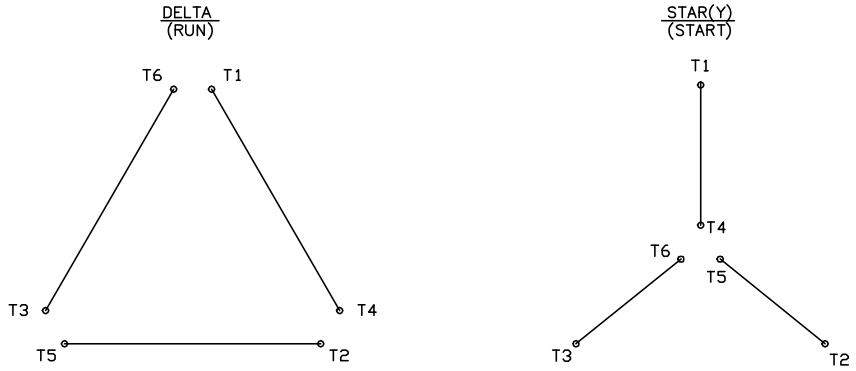
E447TS ODP FOOT F1/STEEL CONDUIT BOX

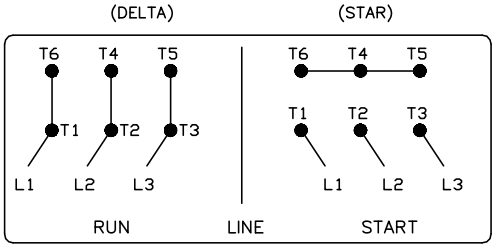
604989-483

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