ABB BALDOR RELIANCE

Customer information packet

EM2560T-4

150HP, 1190RPM, 3PH, 60HZ, 445T, 1896M, OPEN
Class - None
Division - Not Applicable

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Specifications

Enclosure	DP
Frame	445T
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	150.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	CURUSEEV CCSAUSEEV
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	175.000 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	175.0 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	NONE
KVA Code	G
Lifting Lugs	No Lifting Lugs
Motor Lead Quantity/Wire Size	6 @ 2 AWG
Motor Standards	NEMA

Part Detail

Revision	L
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG0914
Layout	617428-042
Eff. date	12-10-2025
CD Diagram	416820-008
Poles	06
Leads	6#2
Proprietary	False
Created date	10-19-2010

Motor Type	A44072M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	39.71 IN
Power Factor	84
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Service Factor	1.15
Shaft Diameter	3.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1185 rpm
Speed Code	Single Speed
Starting Method	Wye Start - Delta Run
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP2377L												
CAT.NO.	EM2560T-4				**SPEC NO.**	P44G1780						
HP	150	**AMPS**	175			**VOLTS**	460			**DESIGN**	B	
FRAME	445T	**RPM**	1185	**HZ**	60	**AMB**	40	**SF**	1.15			
DRIVE END BEARING	90BC03J30X		**PHASE**	3	**DUTY**	CONT		**INSUL.CLASS**	F			
OPP D.E. BEARING	90BC03J30X	**TYPE**	P	**ENCL**	DP	**CODE**	G					
SER.NO.			**POWER FACTOR**	84			**NEMA-NOM-EFFICIENCY**	95.4				
					MAX CORR KVAR	35.0	**GUARANTEED EFFICIENCY**	95.0				
					NEMA NOM/CSA QUOTED EFF							
					MOTOR WEIGHT							

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	445T	150	P	3/60	1185	460

AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
175	CONT	40/F	1.15	B	G	TEFC

E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES.@25 °C OHMS (BETWEEN LINES)
599851	418143-81-AE	---	---	.0355

PERFORMANCE

LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY
NO LOAD	0	66.0	1200	3.58	0
1/4	37.6	77.8	1197	48.6	93.0
2/4	75.0	104	1194	71.0	95.4
3/4	112	137	1190	80.3	95.6
4/4	150	175	1187	84.1	95.4
5/4	188	217	1183	85.5	94.8

SPEED TORQUE

	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES
LOCKED ROTOR	0	166	1104	1070
PULL UP	453	158	1049	965
BREAKDOWN	1134	253	1679	609
FULL LOAD	1187	100	664	175

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-TYPICAL DATA-NEMA NOM. EFF. 95.4 PCT.
GUARANTEED MIN. EFF. 95.0 PCT.

BALDOR

DR. BY T.G.KEALTI
CK. BY J.J.HARRISON
APP. BY T.G.KELATI
DATE 06/08/10

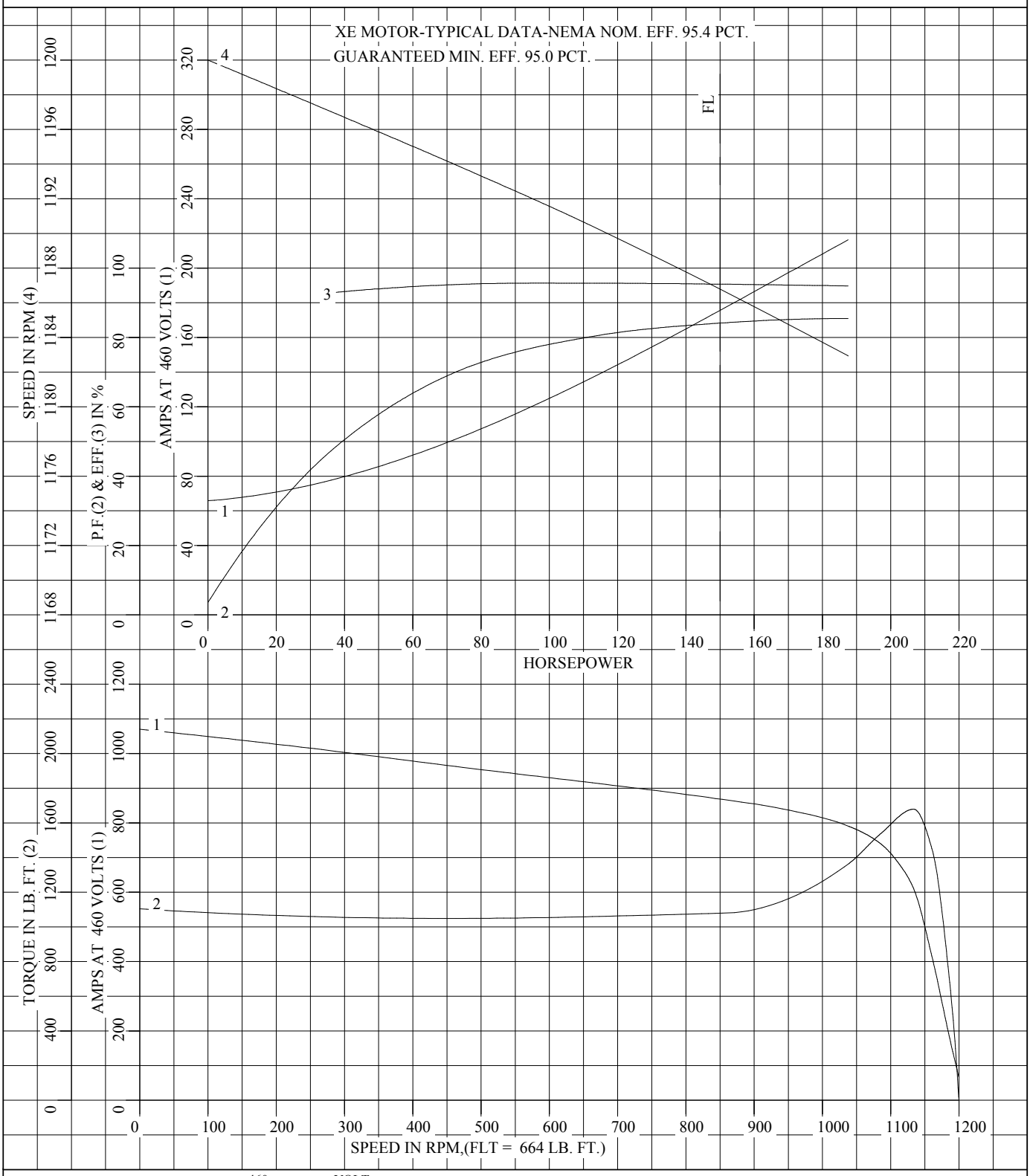
A-C MOTOR PERFORMANCE DATA

A44WG0914-R001
ISSUE DATE 12/17/10

ABB BALDOR RELIANCE

CUSTOMER INFORMATION PACKET EM2560T-4 - 150HP, 1190RPM, 3PH, 60HZ, 445T, 1896M, OPEN

FRAME 445T	RPM 1185	S.F. 1.15	ROTOR 418143-81-AE
HP 150	VOLTS 460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
TYPE P	AMPS 175	CODE LETTER G	TEST DATE ---
PHASE/HERTZ 3/60	DUTY CONT	ENCLOSURE TEFC	STATOR RES.@ 25 ℃ .0355
	AMB ℃/INSUL 40/F	E/S 599851	OHMS (BETWEEN LINES)



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

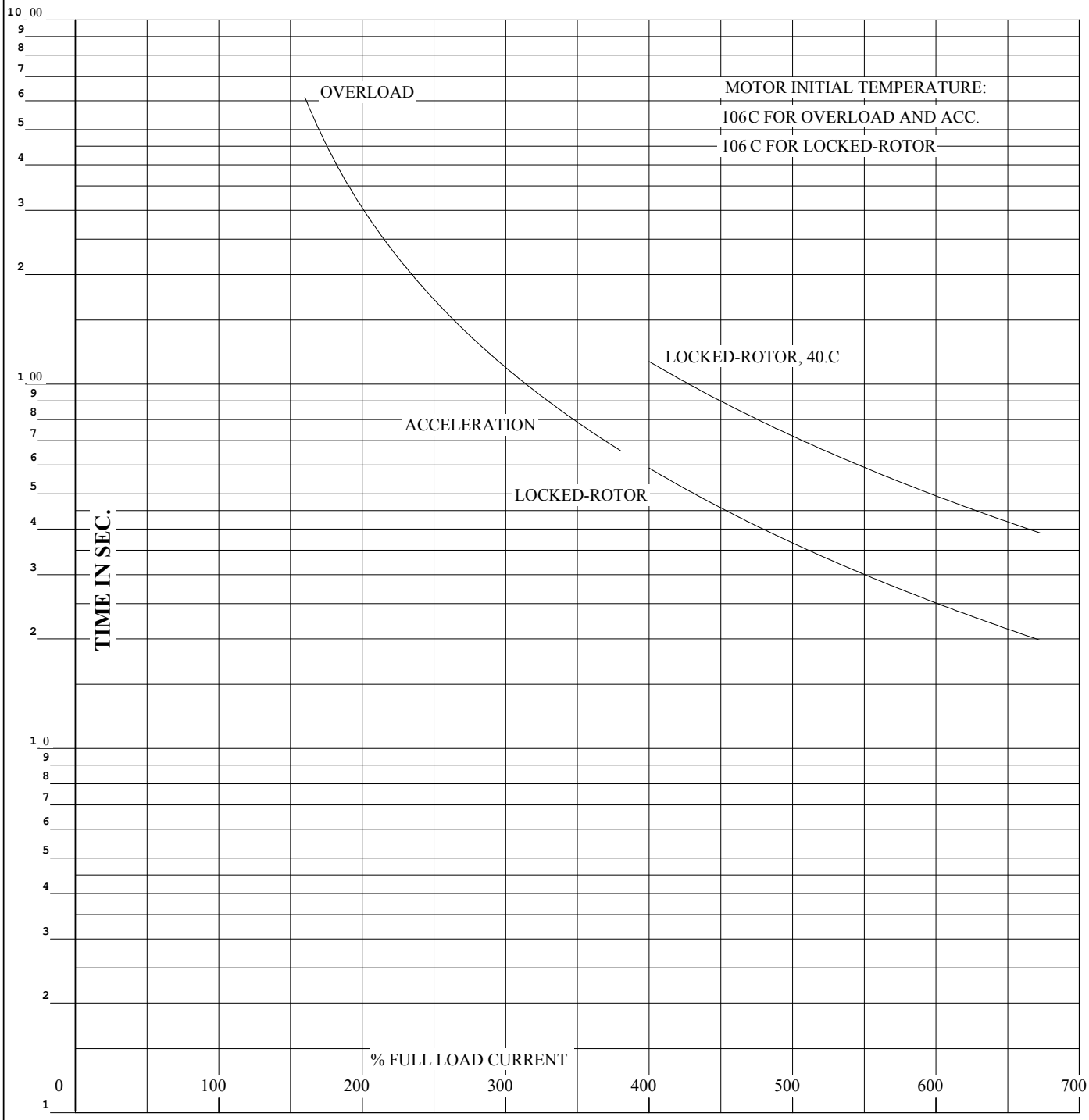
BALDOR

DR. BY	T.G.KEALTI
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APP. BY	T.G.KELATI
DATE	06/08/10

A-C MOTOR PERFORMANCE CURVES A44WG0914-R001 ISSUE DATE 12/17/10

Printed on 12/17/10 12:41 @ psecs-motoreng

REL. S.O.	RPM 1185	S.F. 1.15	ROTOR 418143-81-AE
FRAME 445T	VOLTS 460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
HP 150	AMPS 175	CODE LETTER G	TEST DATE ---
TYPE P	DUTY CONT	ENCLOSURE TEFC	STATOR RES.@ 25 ℃.0355
PHASE/HERTZ 3/60	AMB ℃/INSUL 40/F	E/S 599851	OHMS (BETWEEN LINES)



THERMAL LIMIT CURVE

REMARKS: XE MOTOR-TYPICAL DATA-NEMA NOM. EFF. 95.4 PCT.

GUARANTEED MIN. EFF. 95.0 PCT.

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

BALDOR

DR. BY	T.G.KEALTI
CK. BY	J.J.HARRISON
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DATE	06/08/10

A-C MOTOR PERFORMANCE CURVES A44WG0914-R001

ISSUE DATE 12/17/10

DUTY MASTER ALTERNATING CURRENT MOTORS

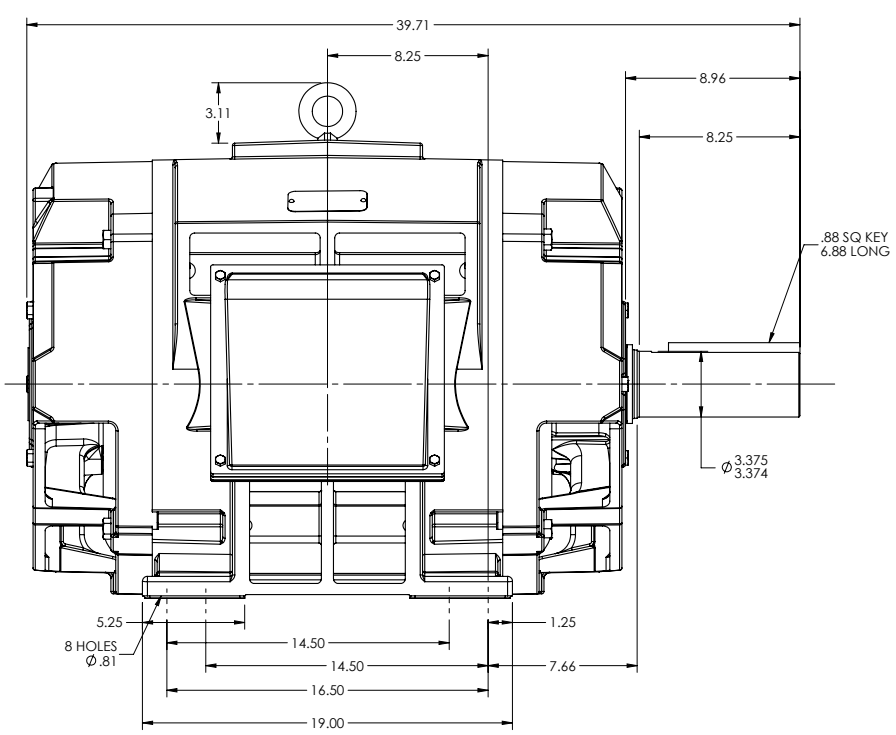
SQUIRREL-CAGE INDUCTION
CAST IRON CONSTRUCTION

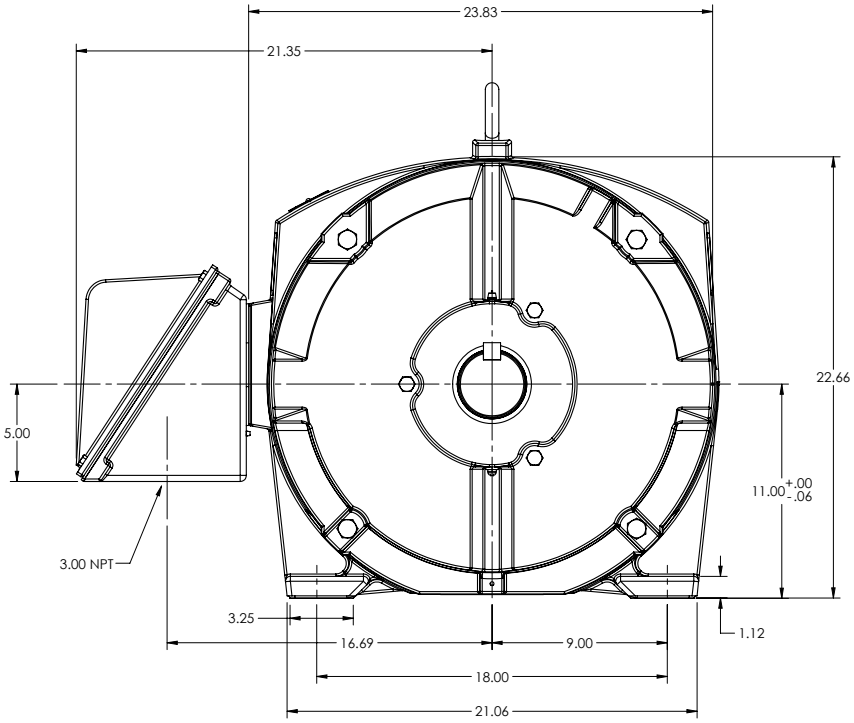
617428-042

ENCLOSURE: PROTECTED
MOUNTING: FOOT

FRAMES 444T-445T

COOLING: SELF-VENTILATED





MAXIMUM PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF STD. SHAFT EXTENSION IS .002 T.I.R. UP TO AND INCLUDING 1.625 DIA. AND .003 T.I.R. 1.625 DIA. TO 5 INCH DIA.

WEIGHT (LBS): 444T = 1735
445T = 1775

MOTOR WEIGHTS MAY VARY BY 15% DEPENDING UPON RATING.

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION

REV. DESC: LOAD TO BUS			
REV: -	VERSION: 00	REVISED: 11:30:51 09/10/2013	TDR: 000000816903
MODEL NO. 617428-042			REF:
BY: ENALEM0			B

BALDOR

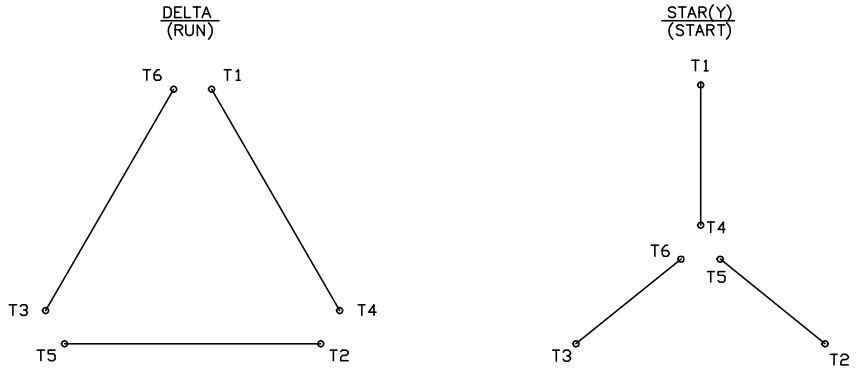
DIM SHEET HOR 444-445T OPEN

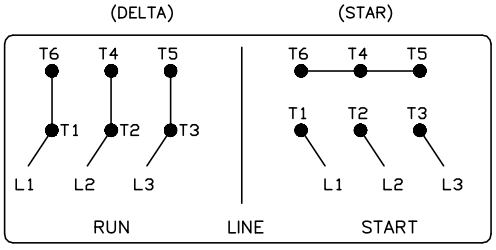
617428-042

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

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