

ABB BALDOR RELIANCE III

Customer information packet

EM2560T-4

150HP, 1190RPM, 3PH, 60HZ, 445T, 1896M, OPEN

Class - None

Division - Not Applicable

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.						
		DR. BY T.G.KEALTI CK. BY J.J.HARRISON APP. BY T.G.KELATI DATE 06/08/10		A-C MOTOR PERFORMANCE A44WG0914-R001 DATA ISSUE DATE 12/17/10		

FRAME 445T

RPM 1185 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

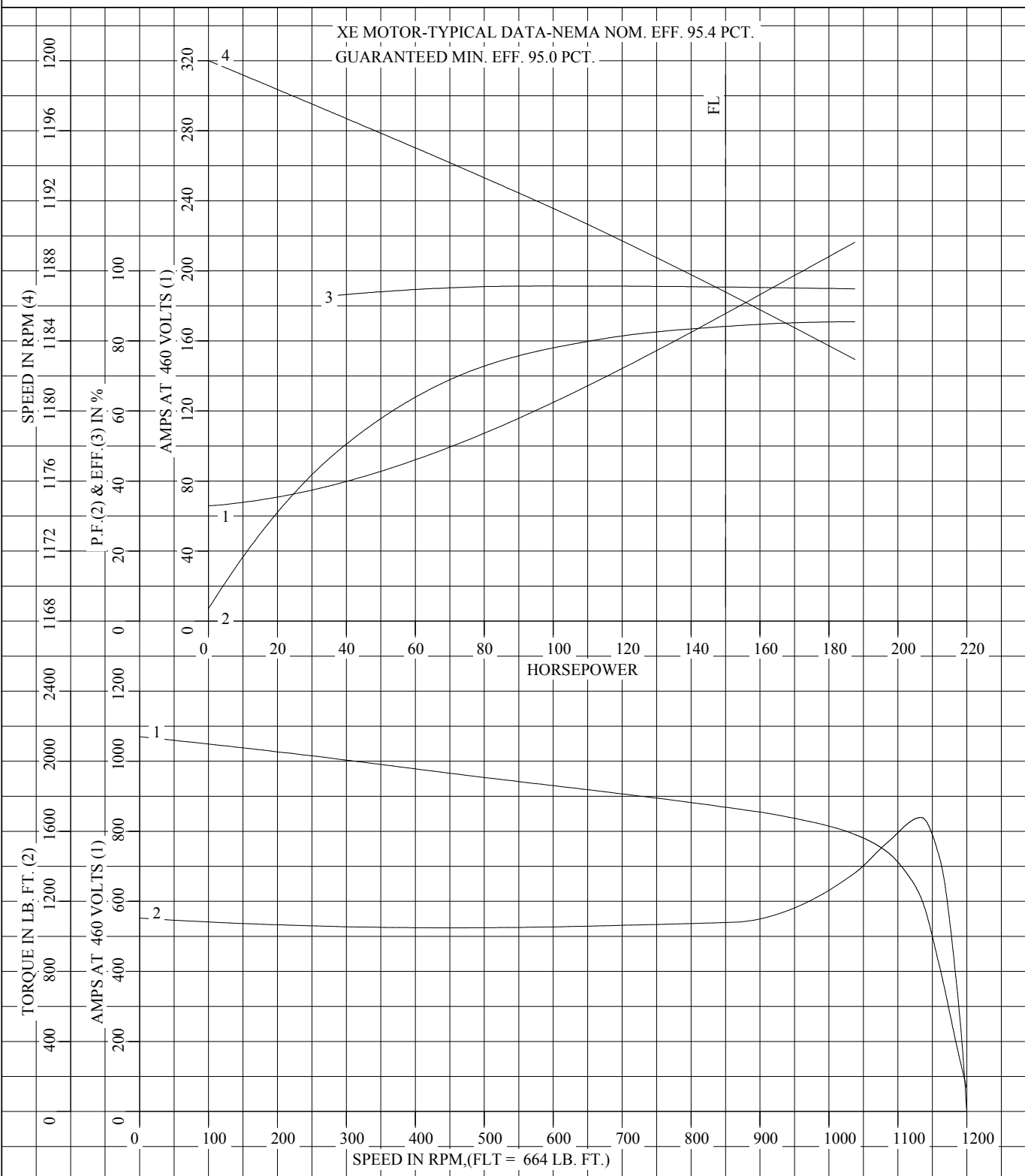
STATOR RES. @ 25 °C .0355

PHASE/HERTZ 3/60

AMB °C/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
CK. BY J.J.HARRISON
APP. BY T.G.KEALTI
DATE 06/08/10

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

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

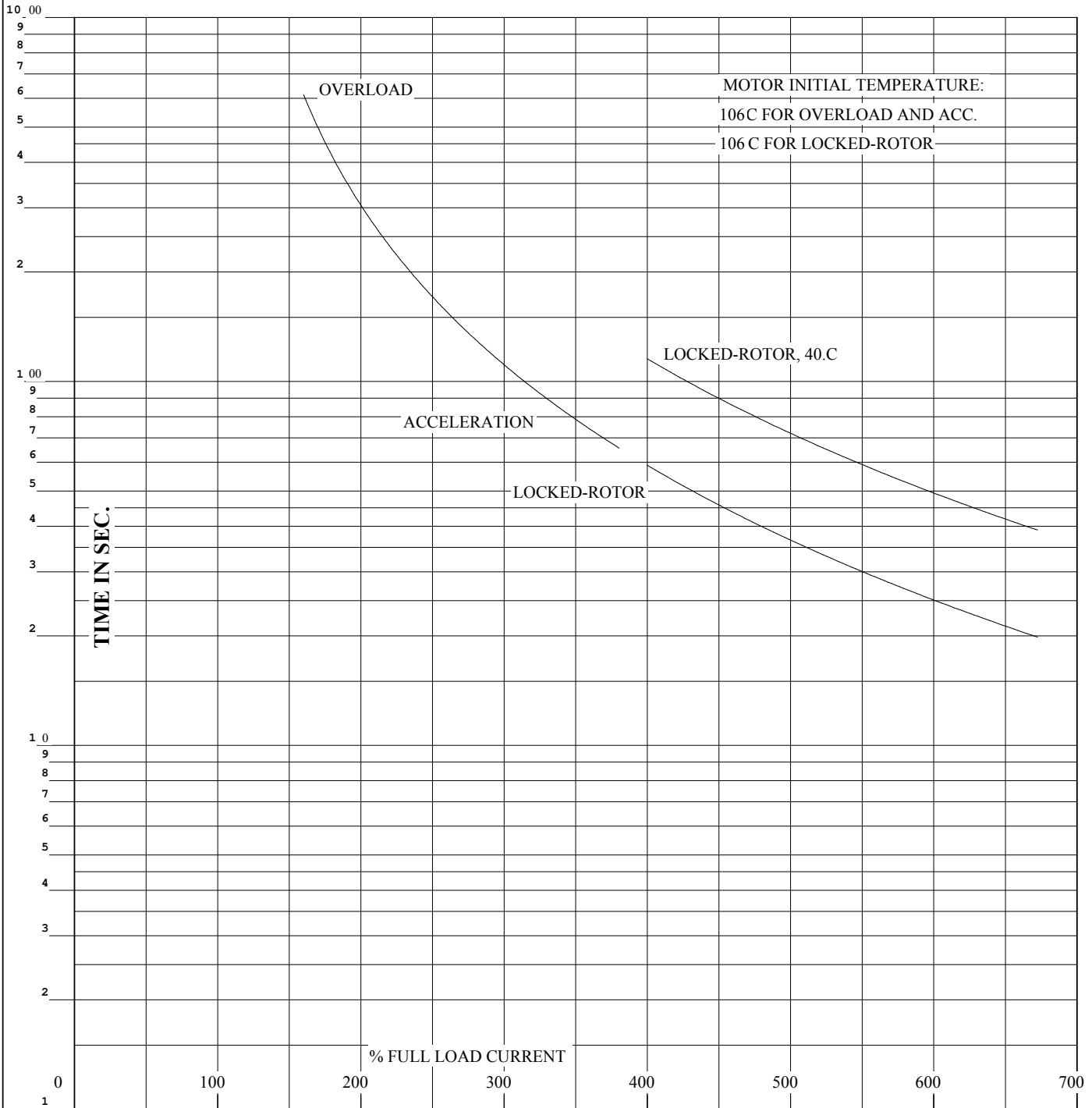
STATOR RES. @ 25 °C .0355

PHASE/HERTZ 3/60

AMB °C/INSUL 40/F

E/S 599851

OHMS (BETWEEN LINES)



THERMAL LIMIT CURVE

REMARKS:

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

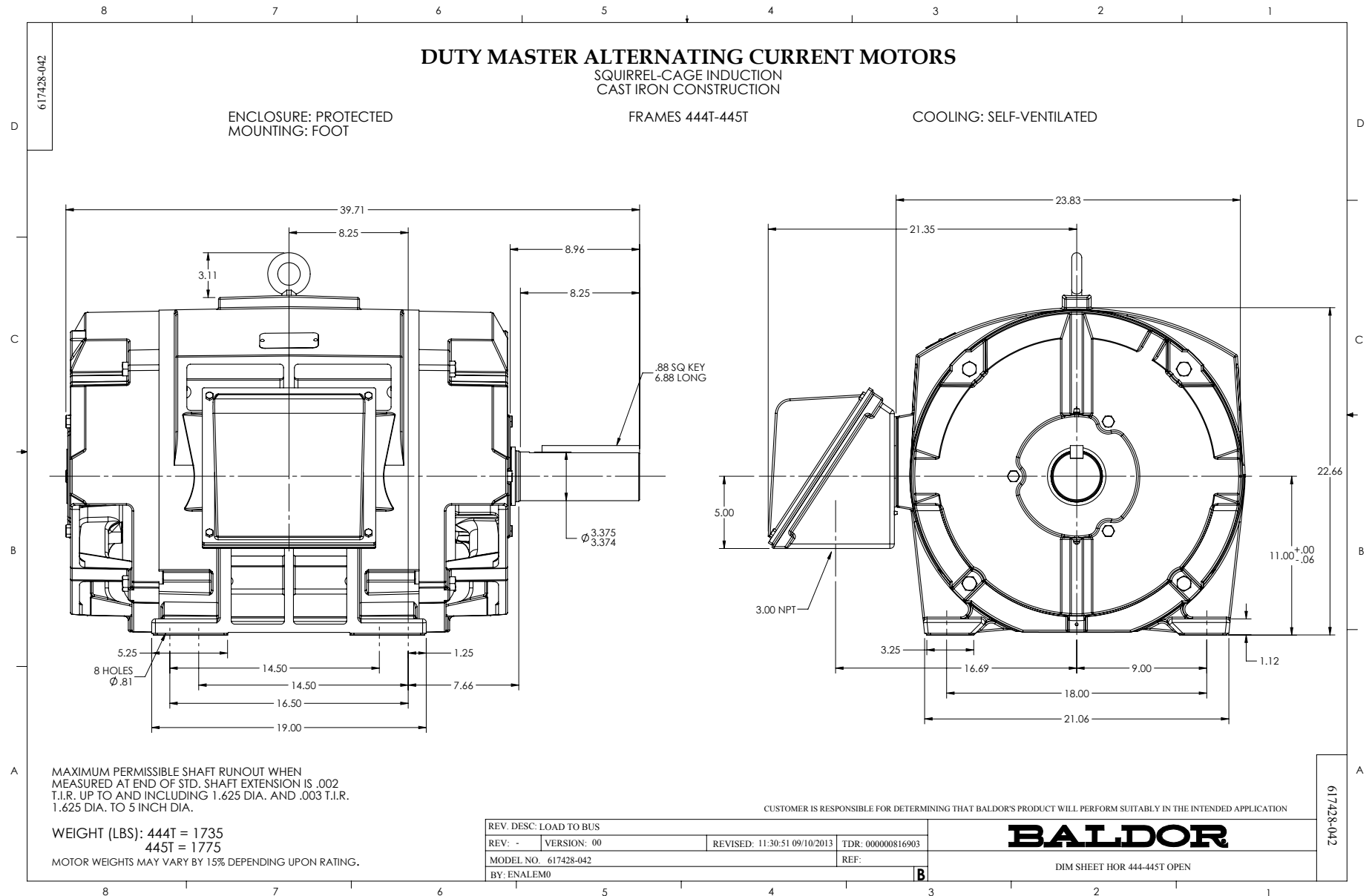
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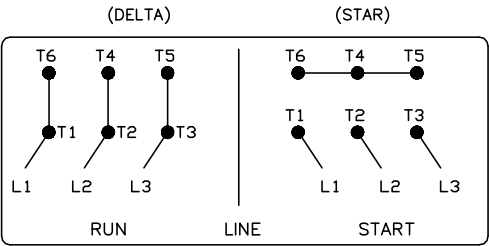
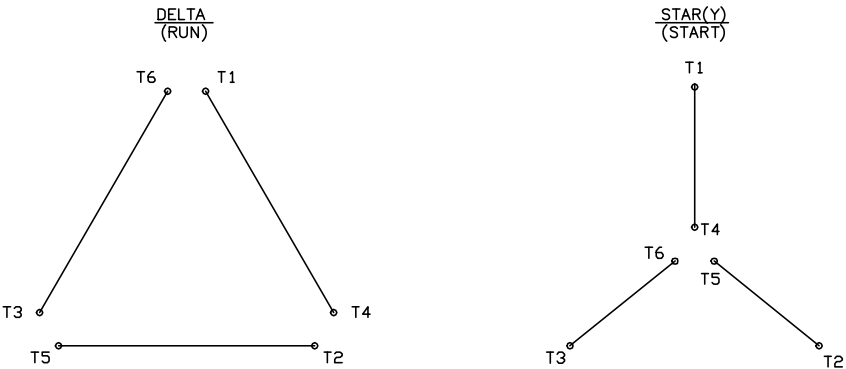
**A-C MOTOR
PERFORMANCE
CURVES** A44WG0914-R001
ISSUE DATE 12/17/10



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