

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					

Parts List

Part number	Description	Quantity
SA209188	SA P44G1780	1.000 ea
RA196450	RA P44G1780	1.000 ea
000613006PU	N/P (RELEASE QTY 10,000) UL CSA LABEL	1.000 ea
000692000VD	LABEL WARNING	1.000 ea
NP2377L	SS SUPER-E, CC, CURUS ENERGY (LASER)	1.000 ea
421948044	LABEL, MYLAR	1.000 ea
004824015A	GREASE POLYREX EM	1.156 lb
032018005AK	HHCS 1/4-20X5/8 PLATED	4.000 ea
032018028EK	HHCS 5/8-11X3-1/2L PLTD	4.000 ea
032018036DK	HHCS 1/2-13X4-1/2 PLTD.	3.000 ea
034000012AB	WSHR 1/4 STD. PLATED	4.000 ea
034017012AB	LCKW 1/4 STD. PLATED 034017012AF	4.000 ea
034600001AA	BUSH 1/4TO1/8 BLACK	1.000 ea
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 ea
089439051A	BRKT 440 089439051WCB	1.000 ea
089439051A	BRKT 440 089439051WCB	1.000 ea
415045002A	SLGR	1.000 ea
702611001A	BAFFL 440 SUB PAINT	1.000 ea
032018005AK	HHCS 1/4-20X5/8 PLATED	4.000 ea
032018028EK	HHCS 5/8-11X3-1/2L PLTD	4.000 ea
032018036DK	HHCS 1/2-13X4-1/2 PLTD.	3.000 ea
034000012AB	WSHR 1/4 STD. PLATED	4.000 ea
034017012AB	LCKW 1/4 STD. PLATED 034017012AF	4.000 ea
034600001AA	BUSH 1/4TO1/8 BLACK	1.000 ea
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 ea
410700004A	WSHR	1.000 ea
702611001A	BAFFL 440 SUB PAINT	1.000 ea
032018008BK	HHCS 5/16-18X1L PLATED	4.000 ea
032018008DK	HHCS 1/2-13X1 PLATED	4.000 ea
035000001A	ALFTG 1/8" 1610-BL	1.000 ea
035000001A	ALFTG 1/8" 1610-BL	1.000 ea

048897010DJ	BUSH - 445	1.000 ea
406055001E	GRFTG - 440	1.000 ea
067053001C	GASK 440	1.000 ea
076863000C	+CBCST BLKT - 440	1.000 ea
076864000A	*MFC MOVE* CBCST BLKT - 440	1.000 ea
406056007A	GASKET, 440	1.000 ea
418150003A	GREASE FITTING CAP	1.000 ea
MG1025Y17	WILKOFAST, 789.701, SUPER E PEARL GOLD	0.250 ga
418150003A	GREASE FITTING CAP	1.000 ea
033775004EA	DRSCR #6-1/4 304 S.S.	2.000 ea
034180054KA	7/8 SQ X 6.75 KEY	1.000 ea
415000115H	T/LUG #2AWG-4/0AWG	1.000 ea
032018005DL	1/2-13 X 5/8 SILICON BRONZE HHCS	1.000 ea
PK5004A09	BASE 48 X 39-1/4 WITH STACKED 2X4 RUUNER	1.000 ea

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 DATA A44WG0914-R001 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

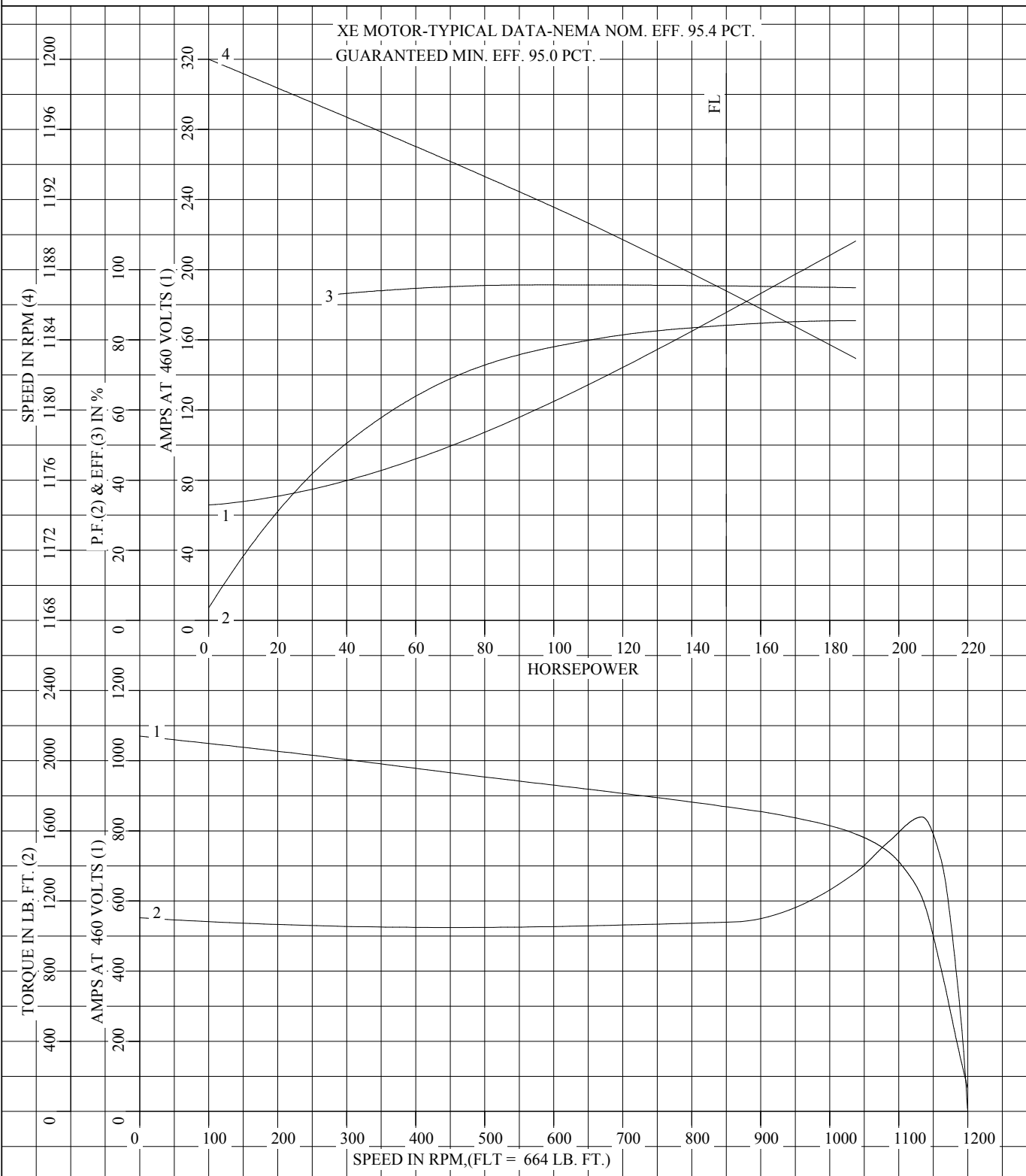
STATOR RES. @ 25 °C .0355

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

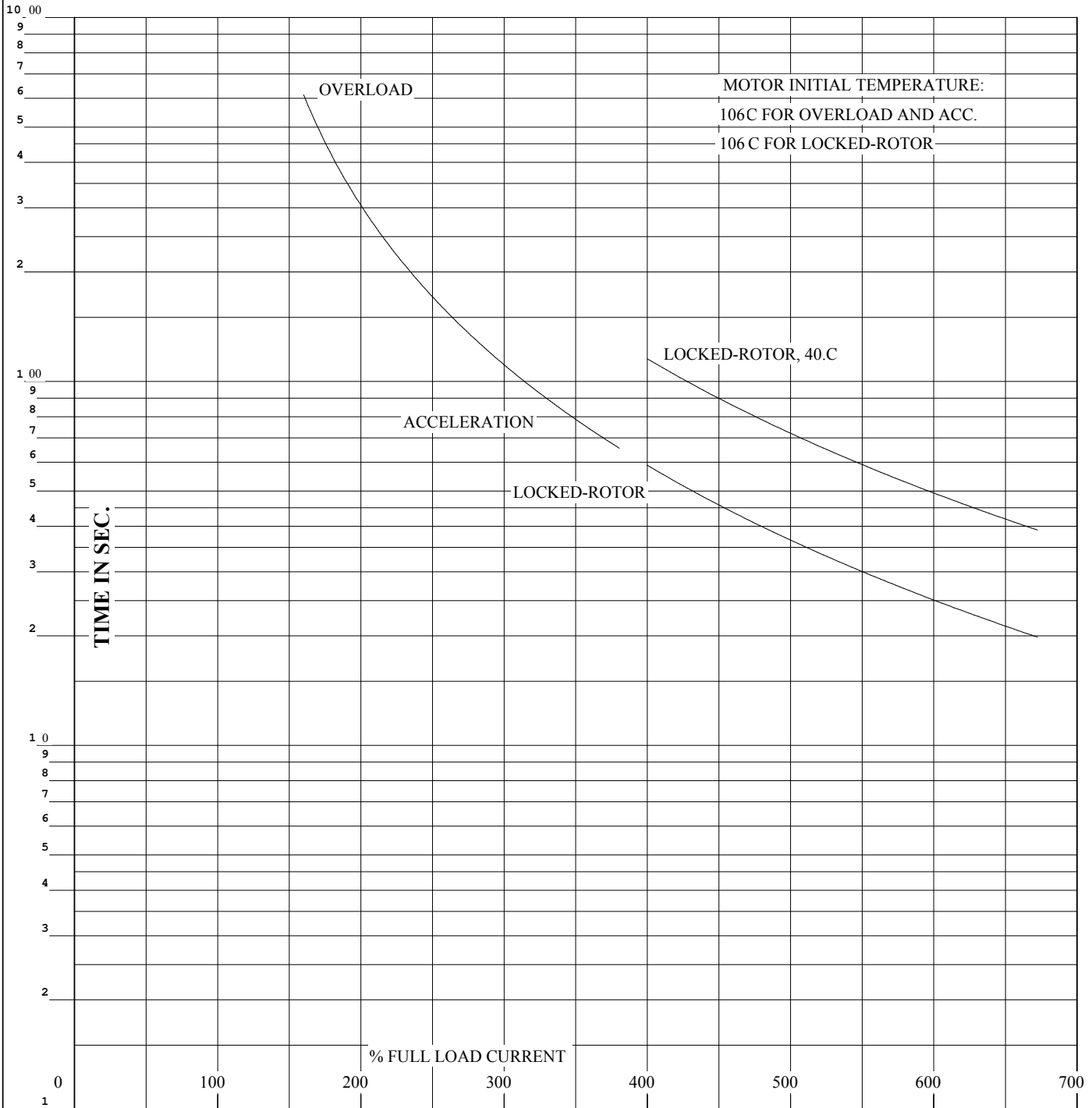
STATOR RES. @ 25 °C .0355

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.

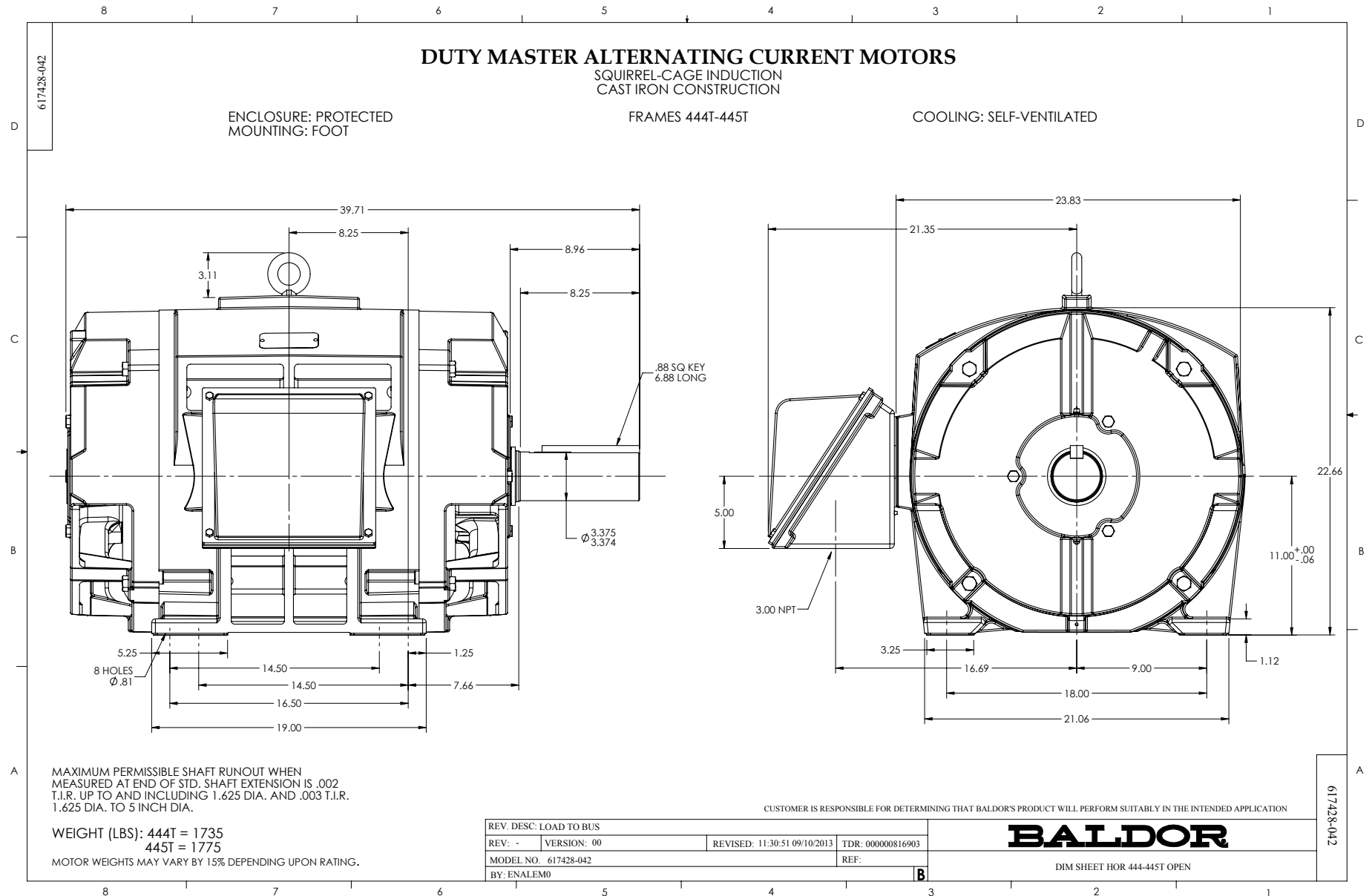
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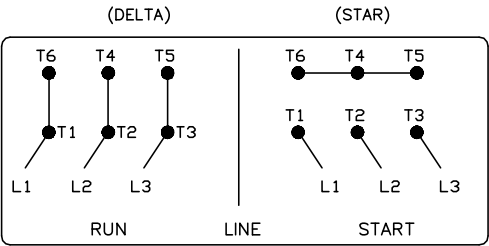
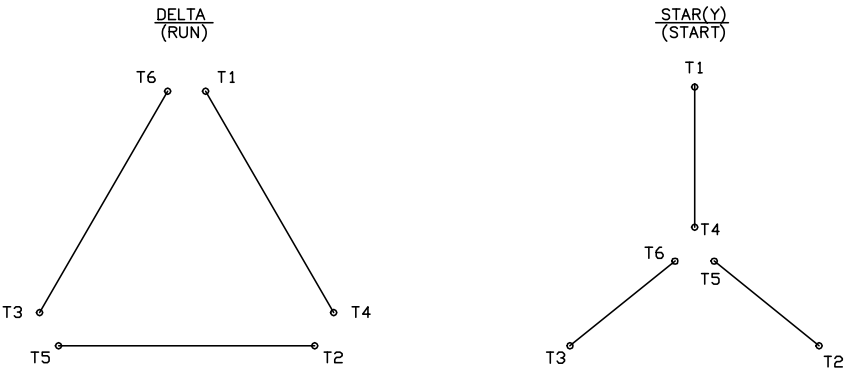
**A-C MOTOR
PERFORMANCE CURVES**
A44WG0914-R001
ISSUE DATE 12/17/10



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

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