



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	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
Motor Type	A44072M

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

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

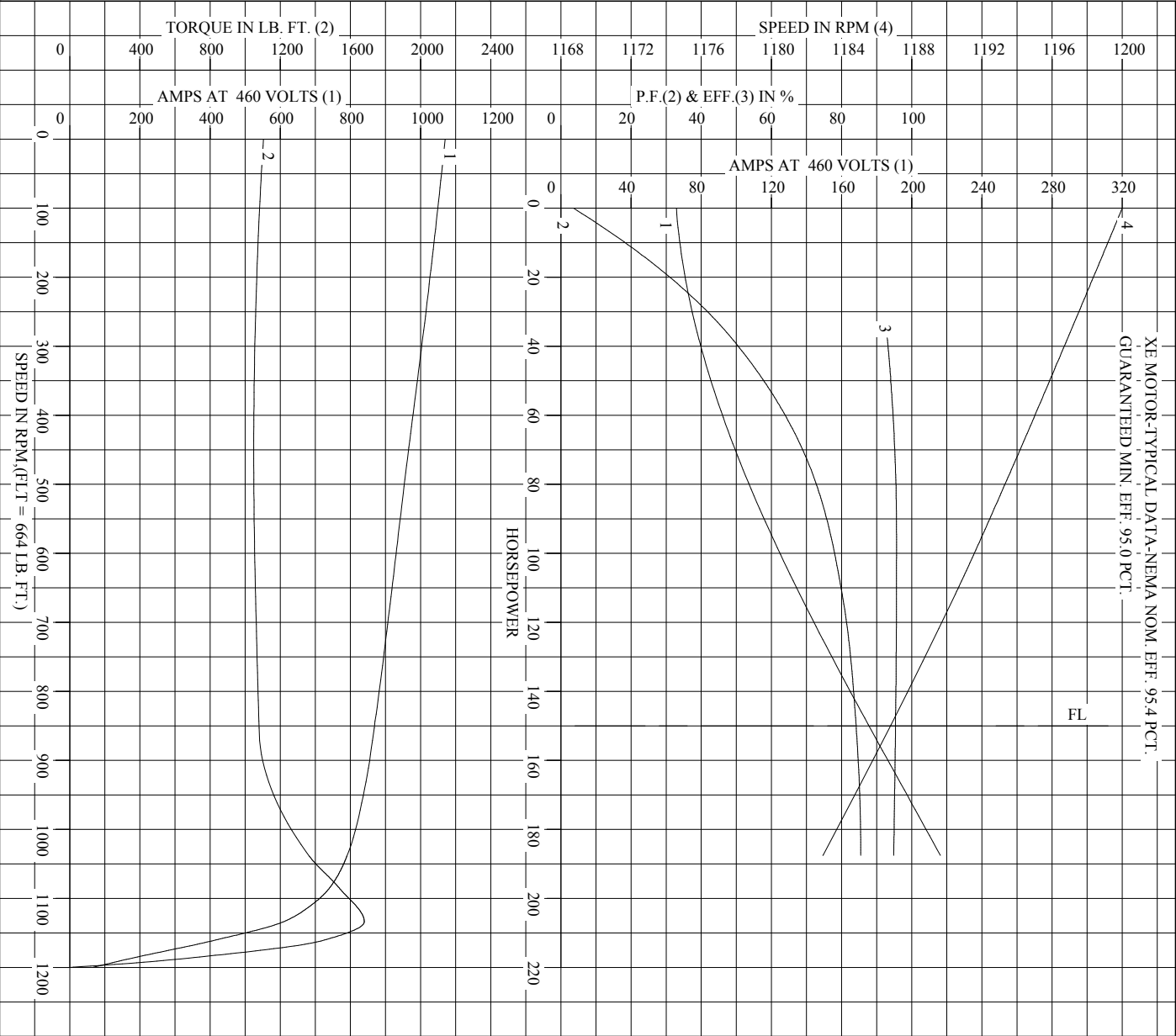
Nameplate

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.KEALTY CK. BY J.J.HARRISON APP. BY T.G.KEALTY DATE 06/08/10		
				A-C MOTOR PERFORMANCE A44WG0914-R001 DATA 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	0.355
PHASE/HERTZ	3/60	AMB °C/INSUL	40/F	E/S	599851	OHMS (BETWEEN LINES)	



DR. BY TCKEALTI
CK. BY JHARRISON
APP. BY TCKEALTI
DATE 06/08/10

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

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

RPM 1185
VOLTS 460
AMPS 175
DUTY CONT
AMB °C/INSUL 40/F
E/S 599851

S.F. 1.15
NEMA DESIGN B
CODE LETTER G
ENCLOSURE TEFEC
STATOR RES. @ 25 °C. 0355
OHMS (BETWEEN LINES)

ROTOR 418143-81-AE
TEST S.O. TYPICAL DATA
TEST DATE ---
STATOR RES. @ 25 °C. 0355

10.00
9
8
7
6
5
4
3
2
1.00
9
8
7
6
5
4
3
2
1

0100200300400500600700

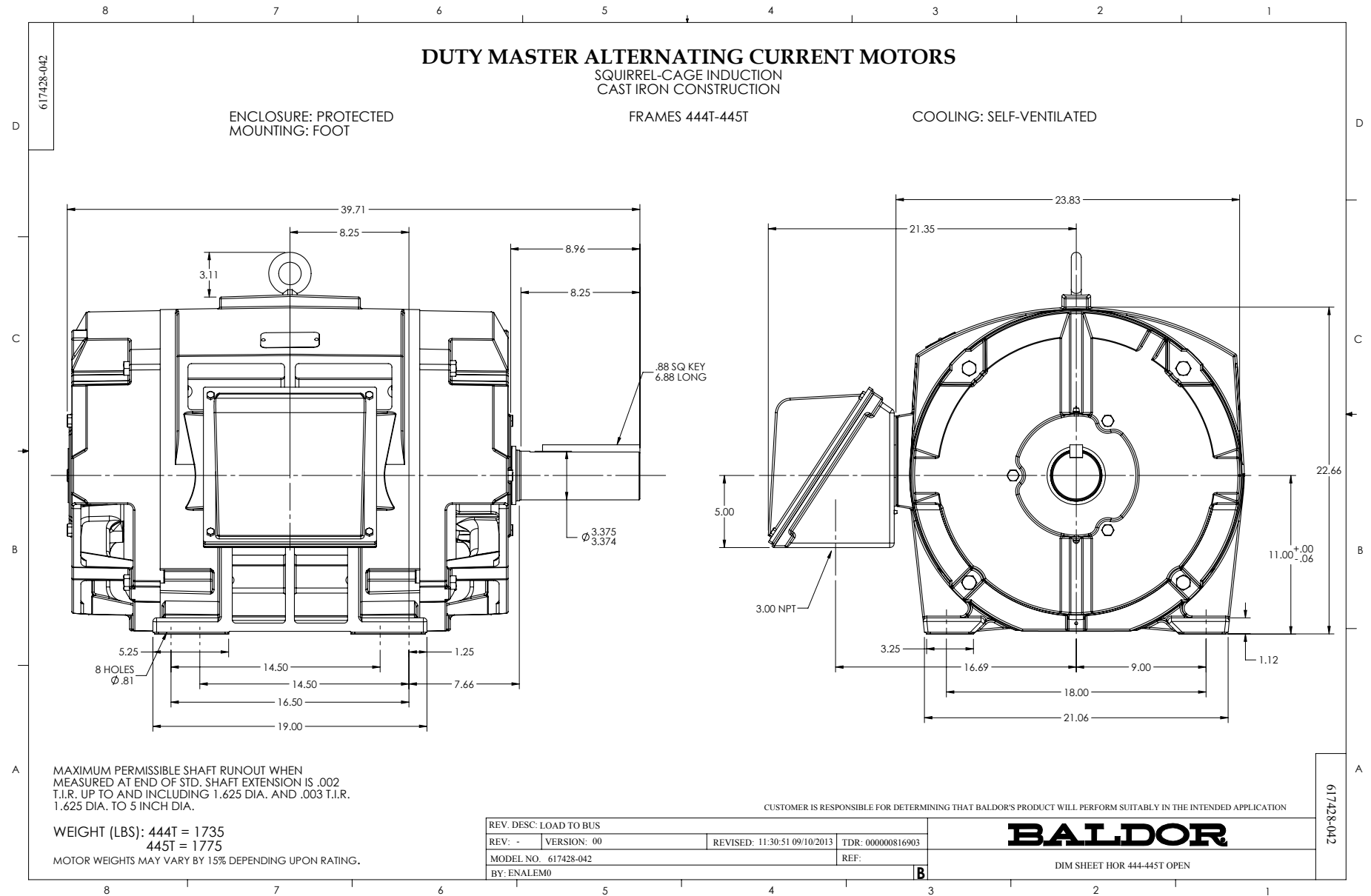
TIME IN SEC.

OVERLOAD
MOTOR INITIAL TEMPERATURE:
106 C FOR OVERLOAD AND ACC.
106 C FOR LOCKED-ROTOR
ACCELERATION
LOCKED-ROTOR, 40 C
LOCKED-ROTOR
% FULL LOAD CURRENT

REMARKS:
THERMAL LIMIT CURVE
XE MOTOR-TYPICAL DATA-NEMA NOM. EFF. 95.4 PCT.
GUARANTEED MIN. EFF. 95.0 PCT.

AMPERES SHOWN FOR 460
AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.
VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE
DR. BY T.G. KELATT
CK. BY J.J. HARRISON
APP. BY T.G. KELATT
DATE 06/08/10

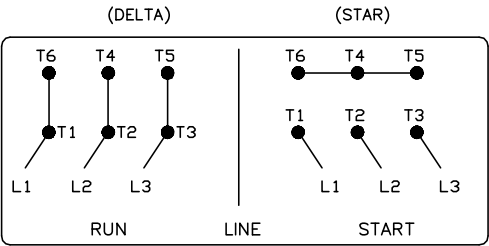
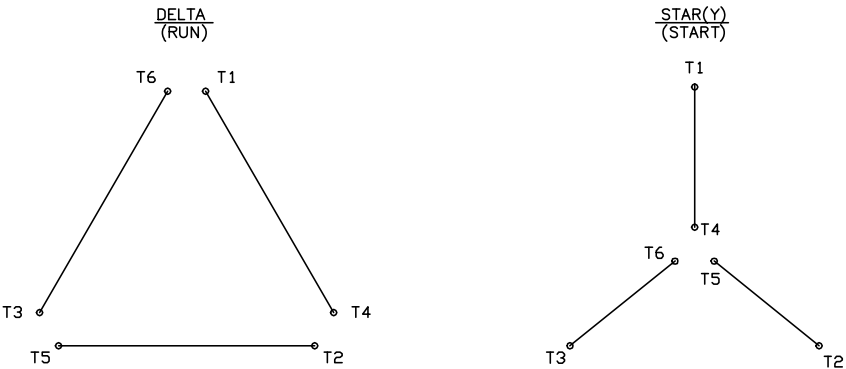
A-C MOTOR
PERFORMANCE CURVES
A44WG0914-R001
ISSUE DATE 12/17/10



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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