

BALDOR® • RELIANCE

Product Information Packet

EM2563T-4

200HP,1780RPM,3PH,60HZ,445T,1880M,OPEN

Part Detail

Revision:	G	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	A44WG1483	CD Diagram:	416820-008	Mfg Plant:	
Mech. Spec:		Layout:	616508-006	Poles:	04	Created Date:	10-19-2010
Base:		Eff. Date:	02-24-2017	Leads:	6#1		

Specs

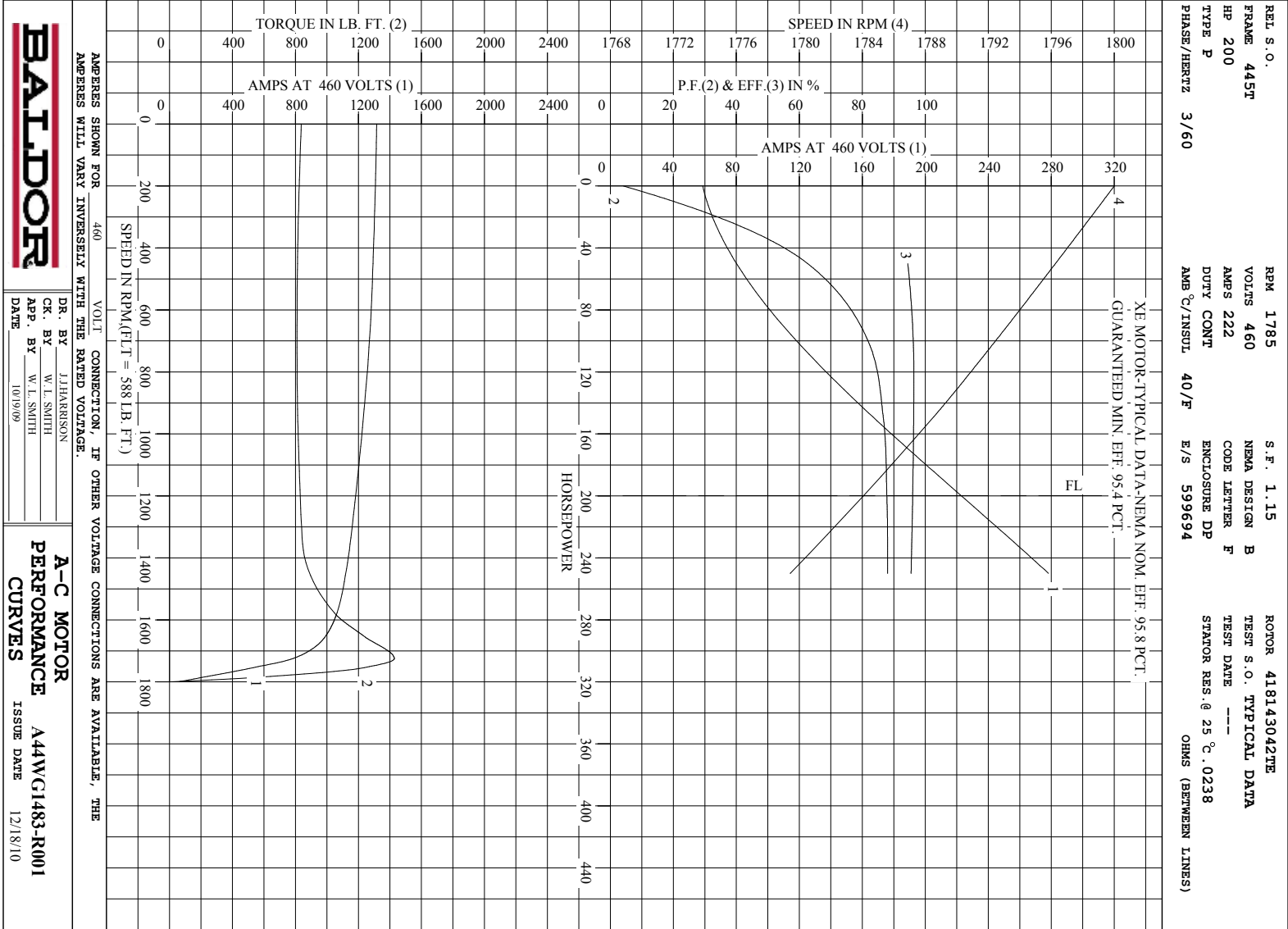
Catalog Number:	EM2563T-4	Heater Indicator:	No Heater
Enclosure:	DP	Insulation Class:	F
Frame:	445T	Inverter Code:	Inverter Ready
Frame Material:	Iron	KVA Code:	F
Output @ Frequency:	200.000 HP @ 60 HZ	Lifting Lugs:	No Lifting Lugs
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	6 @ 1 AWG
Voltage @ Frequency:	460.0 V @ 60 HZ	Motor Type:	A44072M
XP Class and Group:	None	Mounting Arrangement:	F1
XP Division:	Not Applicable	Power Factor:	88
Agency Approvals:	CCSA US	Pulley End Bearing Type:	Ball
	CSA EEV	Pulley Face Code:	C-Face
Auxillary Box:	No Auxillary Box	Shaft Ground Indicator:	No Shaft Grounding
Base Indicator:	Rigid	Shaft Rotation:	Reversible
Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Slinger Indicator:	No Slinger
Current @ Voltage:	222.000 A @ 460.0 V	Speed Code:	Single Speed
Design Code:	B	Motor Standards:	NEMA
Drip Cover:	No Drip Cover	Starting Method:	Wye Start - Delta Run
Duty Rating:	CONT	Thermal Device - Bearing:	None

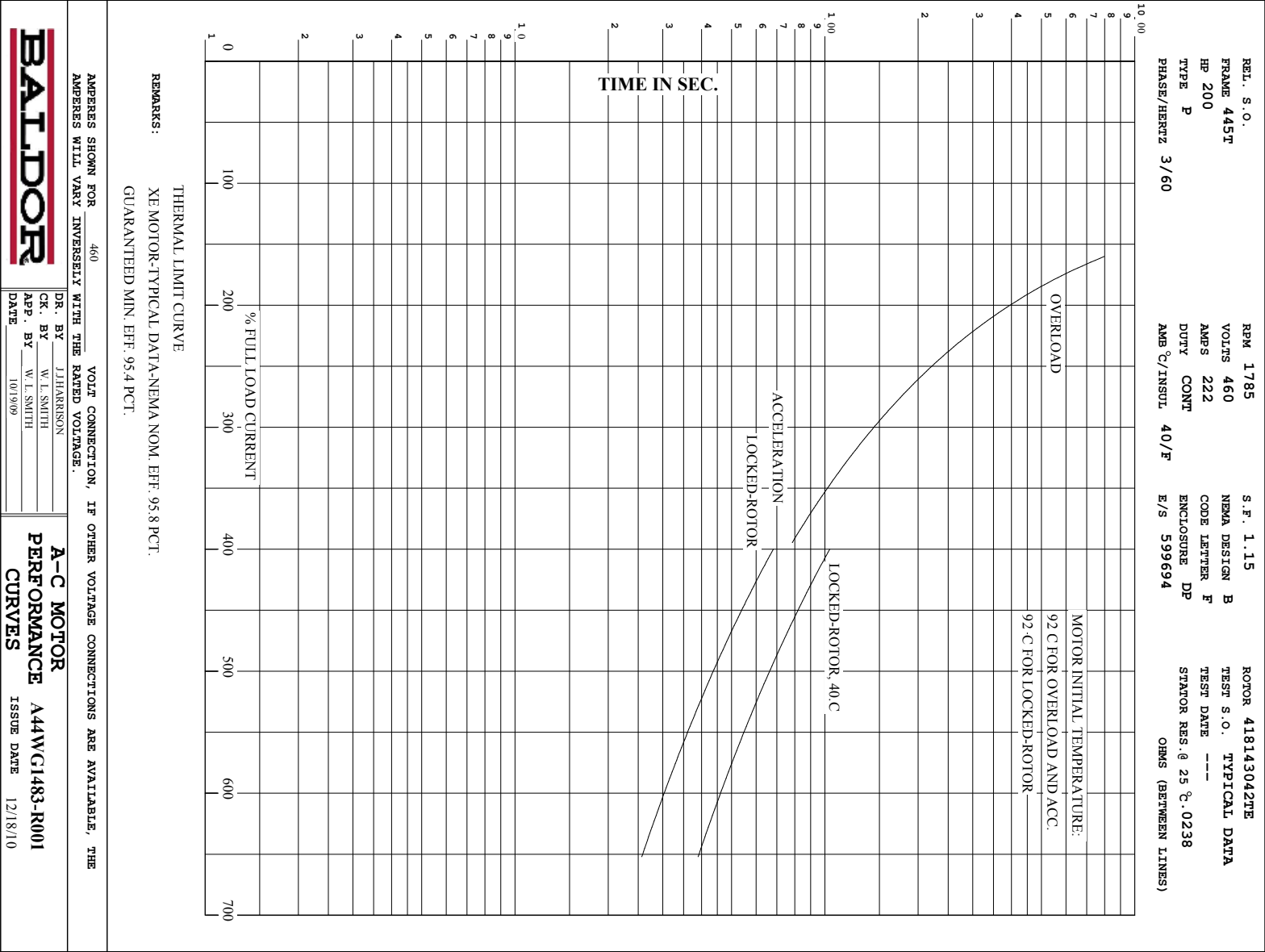
Feedback Device:	NO FEEDBACK	Thermal Device - Winding:	None
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Nameplate NP2377L

CAT.NO.	EM2563T-4				SPEC NO.	P44G1774				
HP	200	AMPS	222		VOLTS	460		DESIGN	B	
FRAME	445T		RPM	1785	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	F	
SER.NO.				POWER FACTOR	88		NEMA-NOM-EFFICIENCY	95.8		
						MAX CORR KVAR	35.0		GUARANTEED EFFICIENCY	95.4
						NEMA NOM/CSA QUOTED EFF				
						MOTOR WEIGHT	1625			

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	445T	200	P	3/60	1785	460
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
222	CONT	40/F	1.15	B	F	DP
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES.@25 °C OHMS (BETWEEN LINES)		
599694	418143042TE	---	---	.0238		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	POWER FACTOR	% EFFICIENCY	
NO LOAD	0	58.9	1800	4.10	0	
1/4	50.1	79.2	1796	62.6	94.4	
2/4	100	119	1792	81.8	96.2	
3/4	150	168	1788	86.7	96.3	
4/4	200	222	1784	87.8	96.0	
5/4	250	279	1779	88.0	95.5	
SPEED TORQUE						
		RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES	
LOCKED ROTOR		0	142	837	1316	
PULL UP		700	138	810	1270	
BREAKDOWN		1725	243	1428	781	
FULL LOAD		1784	100	588	222	
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. 95.8 PCT. GUARANTEED MIN. EFF. 95.4 PCT.						
BALDOR		DR. BY J.J.HARRISON CK. BY W.L. SMITH APP. BY W.L. SMITH DATE 10/19/09		A-C MOTOR PERFORMANCE A44WG1483-R001 DATA ISSUE DATE 12/18/10		





616508-006

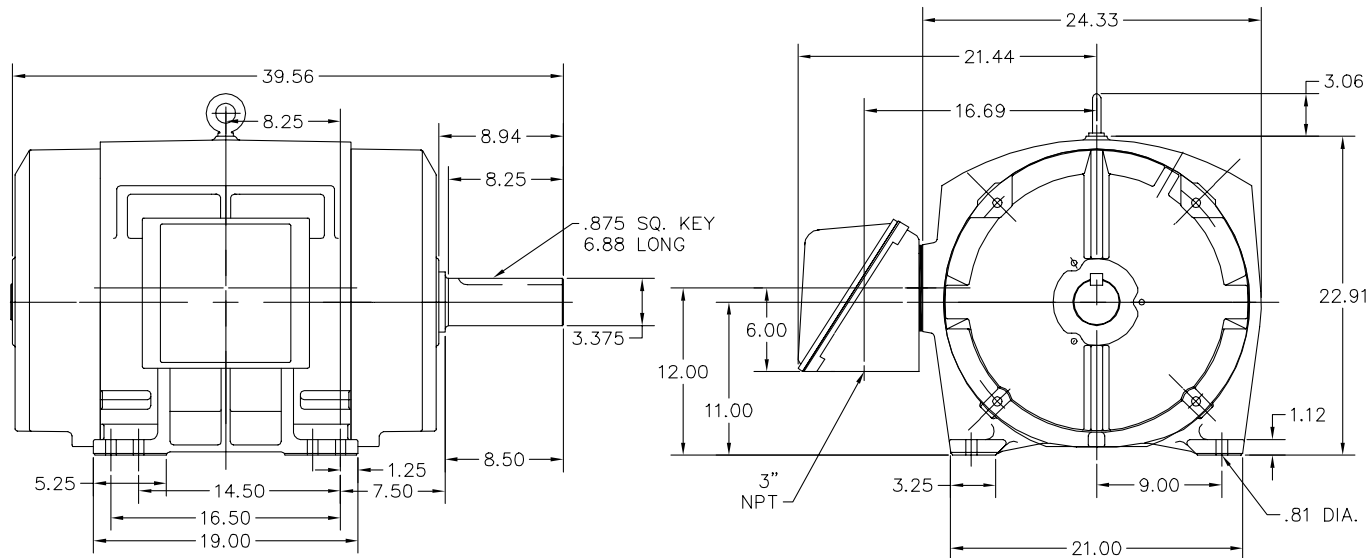
DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

ENCLOSURE: PROTECTED
MOUNTING: FOOT

COOLING: SELF-VENTILATED

FRAMES 444T THRU 445T



NOTES:
SCALE DWG. FOR COMPLETE DIMENSIONS
SEE DS 611750-501

FRAME—	TYPE—	CERTIFIED FOR—
ORDER—	ITEM—	HP— RPM—
SALES ORDER—	APPROVED BY—	DATE—
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.		
REV. DESC: LOADED TO BUS	VERSION: 01	TDR: 000000557201
REV. LTR: A	FILE: \RAG\00010\520	REVISD: 11: 22: 31 09/08/2010
MTL: —	BY: RAGRA	

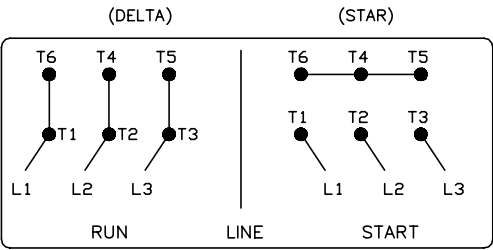
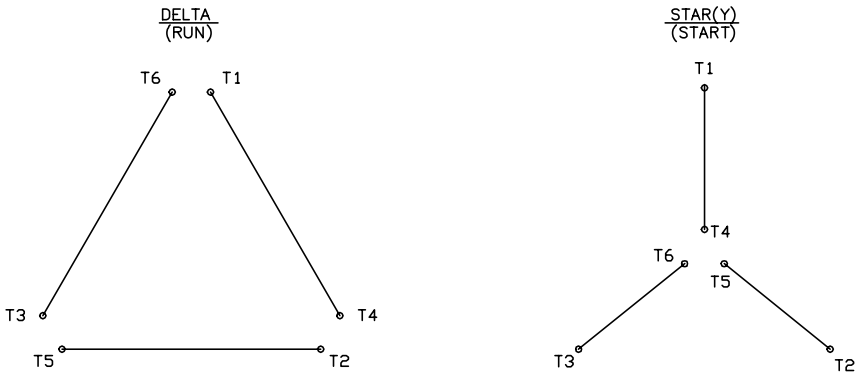
BALDOR
DIM SHT 444T-445T ODP FT
SH 1 of 1

616508-006

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