

BALDOR • RELIANCE

Customer information packet

EM2558T-4

150HP, 1780RPM, 3PH, 60HZ, 444T, 1868M, OPEN

Class - None

Division - Not Applicable

Specifications

Enclosure	DP
Frame	444T
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	1800 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	170.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	96.2 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	170.0 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	G
Lifting Lugs	No Lifting Lugs
Motor Lead Quantity/Wire Size	6 @ 2 AWG
Motor Standards	NEMA
Motor Type	A44062M
Mounting Arrangement	F1

Part detail

Revision	D
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG2176
Layout	617428-042
Eff. date	12-10-2025
CD Diagram	416820-008
Poles	04
Leads	6#2
Proprietary	False
Created date	09-08-2015

Number of Poles	4
Overall Length	39.71 IN
Power Factor	86
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	1785 rpm
Speed Code	Single Speed
Starting Method	Wye Start - Delta Run
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP2377L

CAT.NO.	EM2558T-4	SPEC NO.	A44-0003-2176						
HP	150	AMPS	170	VOLTS	460	DESIGN	B		
FRAME	444T	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	G		
SER.NO.		POWER FACTOR	86	NEMA-NOM-EFFICIENCY	96.2				
		MAX CORR KVAR	30	GUARANTEED EFFICIENCY	95.4				
		NEMA NOM/CSA QUOTED EFF							
		MOTOR WEIGHT							

REL. S.O.	FRAME	HP	TYPE	PHASE/HERTZ	RPM	VOLTS
	444T	150	P	3/60	1785	460

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

E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C (BETWEEN LINES)
497213	418143-040-PE	---	---	.0318

PERFORMANCE						
LOAD	HP	AMPERES	RPM	POWER FACTOR %	EFFICIENCY %	
NO LOAD	0	59.9	1800	3.40	0	
1/4	37.5	72.2	1797	51.8	94.0	
2/4	75.0	99.1	1793	73.7	96.1	
3/4	112	133	1790	82.3	96.4	
4/4	150	170	1786	85.9	96.2	
5/4	187	210	1782	87.1	95.9	

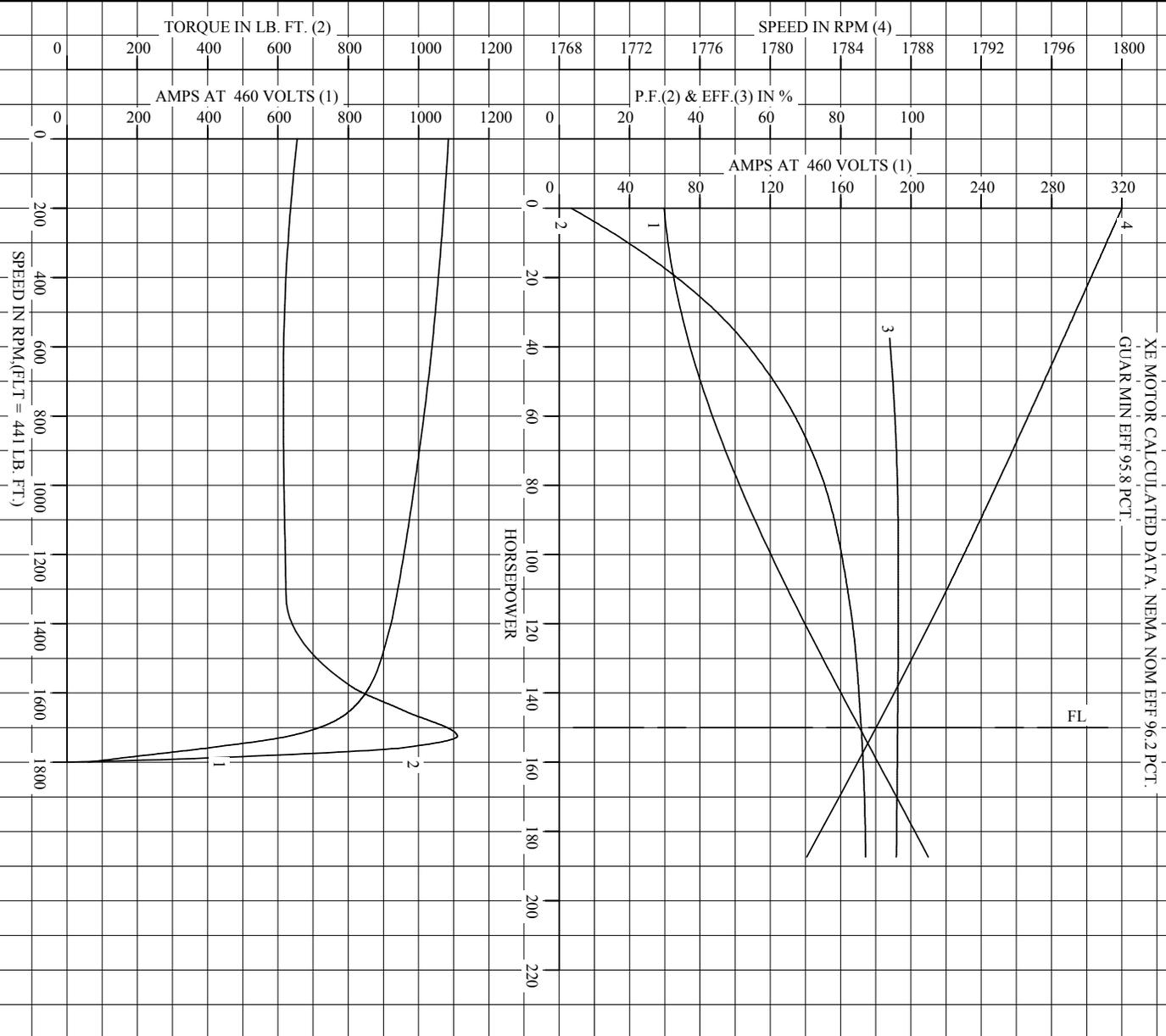
SPEED TORQUE						
	RPM	% FULL LOAD TORQUE	TORQUE LB.-FT.	AMPERES		
LOCKED ROTOR	0	148	655	1085		
PULL UP	720	139	615	1025		
BREAKDOWN	1725	252	1110	630		
FULL LOAD	1786	100	441	170		

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

REMARKS: XE MOTOR CALCULATED DATA. NEMA NOM EFF 96.2 PCT.
 GUAR MIN EFF 95.8 PCT.

BALDOR	DR. BY C.R. THOMPSON	A-C MOTOR PERFORMANCE DATA
	CK. BY C.P. WILBY	
	APP. BY C.P. WILBY	
	DATE 04/25/95	

REL S.O. _____ RPM 1785 S.F. 1.15 ROTOR 418143-040-PE
 FRAME 444T VOLTS 460 NEMA DESIGN B TEST S.O. ---
 HP 150 AMPS 170 CODE LETTER G TEST DATE ---
 TYPE P DUTY CONT ENCLOSURE PRXE STATOR RES. @ 25 °C .0318
 PHASE/HERTZ 3/60 AMP °/INSUL 40/B E/S 497213 OHMS (BETWEEN LINES)

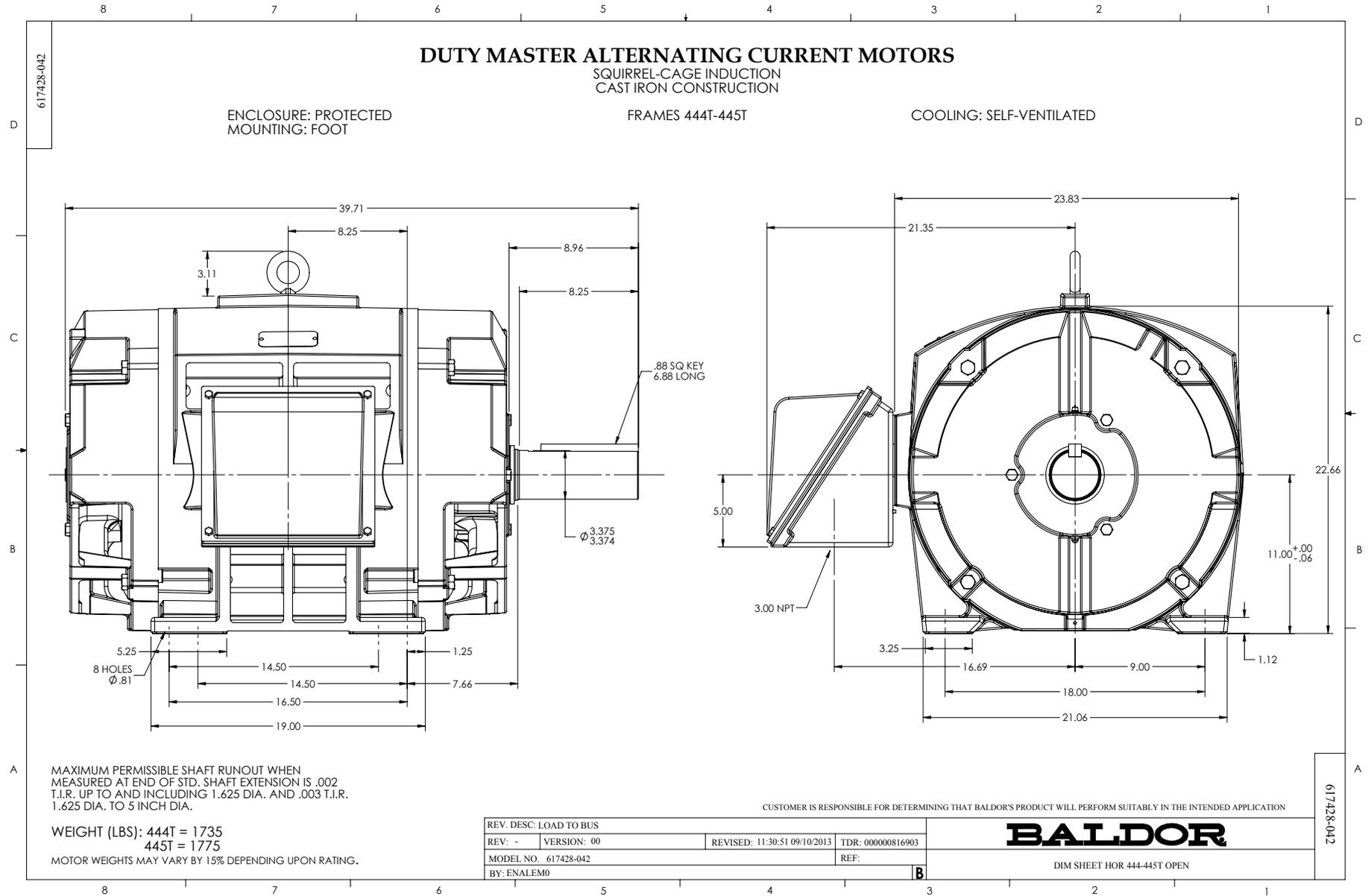


AMPERES SHOWN FOR 460 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.



DR. BY _____ CR. THOMPSON
 CK. BY _____ CP. WILLIAMS
 APP. BY _____ CP. WILLIAMS
 DATE 04/25/95

A-C MOTOR PERFORMANCE CURVES
 A44WG2176-R001
 ISSUE DATE 04/25/95

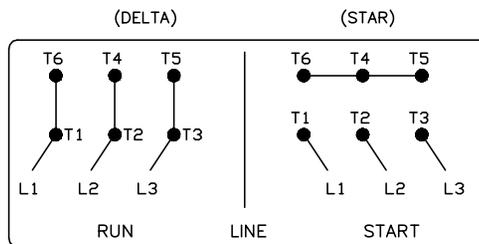
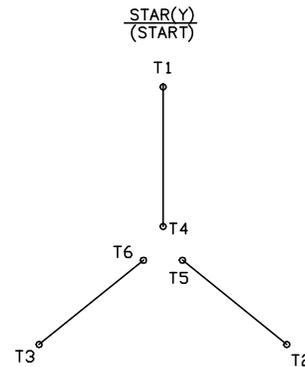
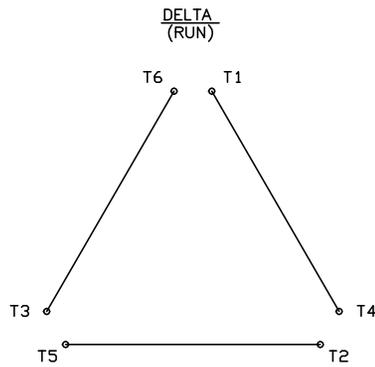


416820-008

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: 00000847713
FILE: \RAG\00001\808	REVISED: 10:41:26 04/08/2014	BY: RAGJSS1
MTL: -	© □	

BALDOR

CONNECT DIAGRAM STD 6 LEAD Y START DELTA RUN

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