

ABB BALDOR RELIANCE III

Customer information packet

EM2558T-5

150HP, 1785RPM, 3PH, 60HZ, 444T, A44062M, ODP

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	575.0 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	136.000 A @ 575.0 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	136.0 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	G
Lifting Lugs	No Lifting Lugs
Motor Lead Quantity/Wire Size	3 @ 1 AWG
Motor Standards	NEMA
Motor Type	A44062M

Part Detail

Revision	L
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG3532
Layout	617428-042
Eff. date	12-10-2025
CD Diagram	416820-036
Poles	04
Leads	3#1
Proprietary	False
Created date	12-17-2010

Mounting Arrangement	F1
Number of Poles	4
Overall Length	39.56 IN
Power Factor	86
Product Family	Other
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
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	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP2377L														
CAT.NO.	EM2558T-5					SPEC NO.	P44G1798							
HP	150	AMPS	136			VOLTS	575			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		30.0	GUARANTEED EFFICIENCY		95.8			
						NEMA NOM/CSA QUOTED EFF								
						MOTOR WEIGHT								

Accessories

Part number	Description	Multiplier
089439052B	C-FACE BRKT 440 089439052WCA	P1
089439053B	D-FLANGE BRKT 440 089439053WCA	P1

FRAME 444T

RPM 1785

NEMA DESIGN B

TEST S.O. ---

HP 150

VOLTS 575

CODE LETTER G

TEST DATE ---

TYPE P

AMPS 135

ENCLOSURE PRXE

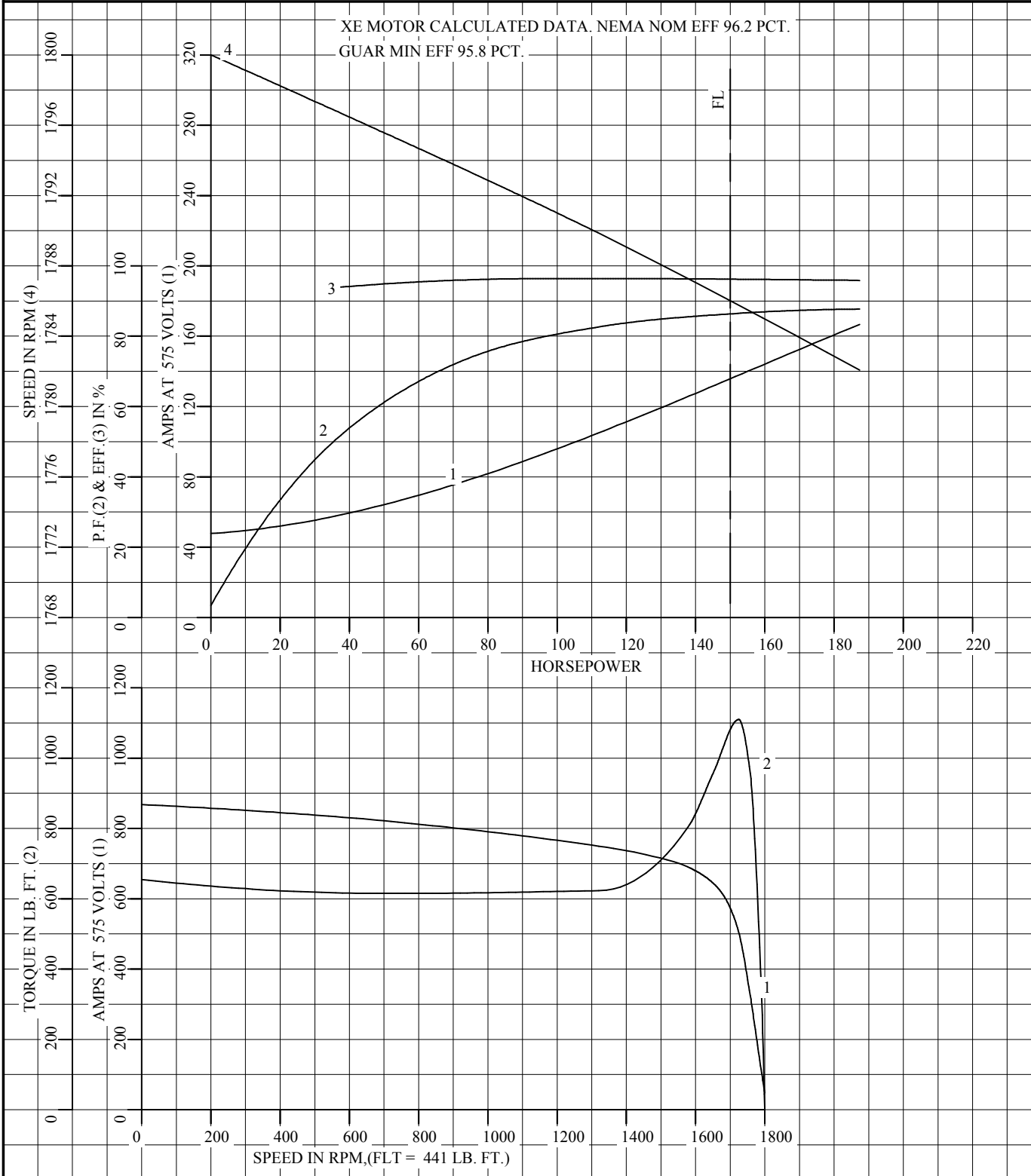
STATOR RES. @ 25 °C .0498

PHASE/HERTZ 3/60

DUTY CONT

AMB °C/INSUL 40/F

E/S 497797 OHMS (BETWEEN LINES)



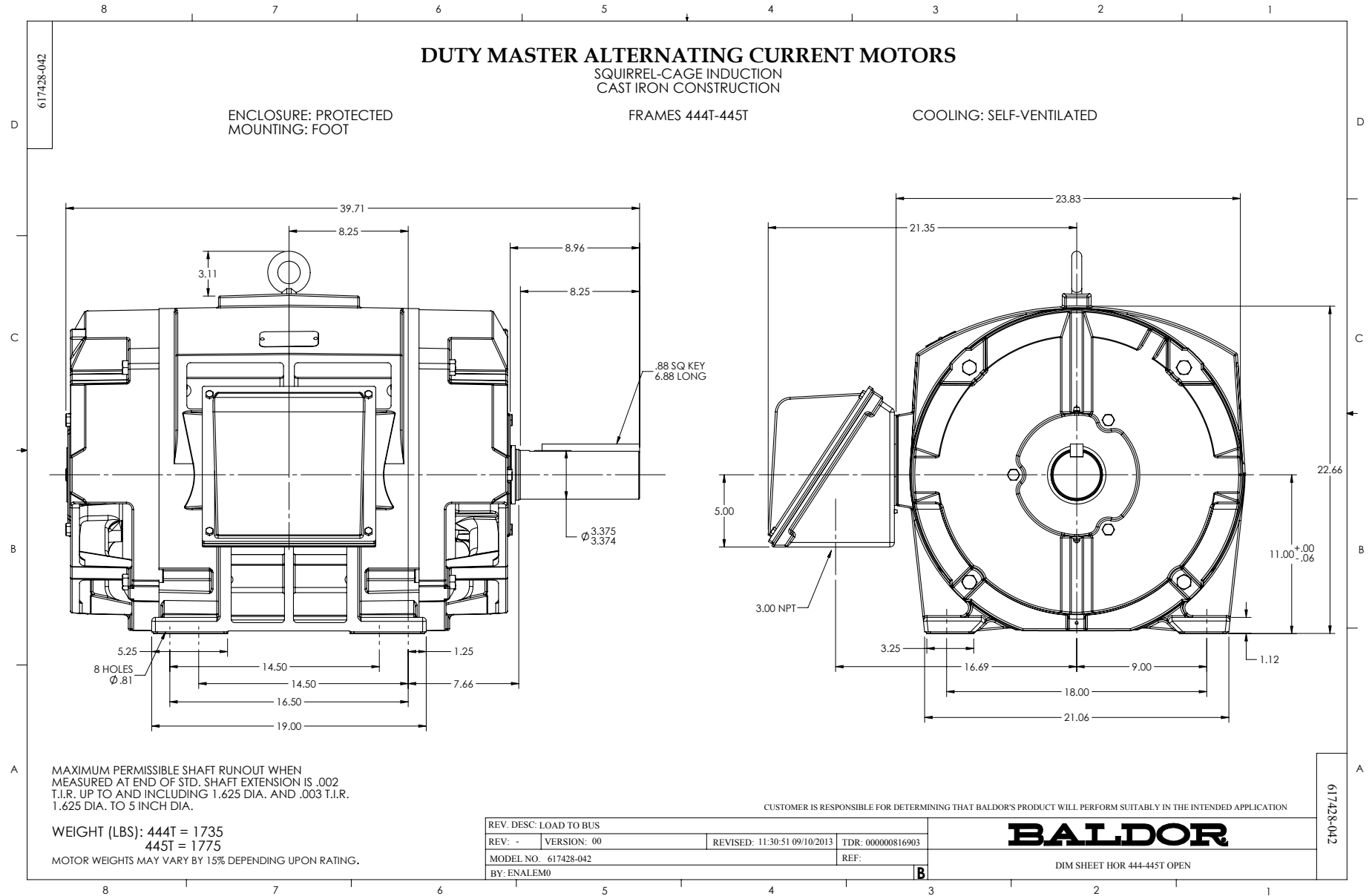
AMPERES SHOWN FOR 575 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

BALDOR
A MEMBER OF THE ABB GROUP

DR. BY J. P. TSAO
CK. BY W. L. SMITH
APP. BY W. L. SMITH
DATE 04/18/12

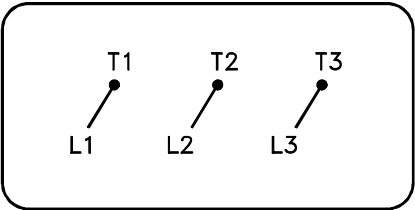
**A-C MOTOR
PERFORMANCE
CURVES** A44WG3532-R001
ISSUE DATE 04/18/12

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	444T	150	P	3/60	1785	575
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
135	CONT	40/F	1.15	B	G	PRXE
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
497797	418143-040-PE	---	---	.0498		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY	
NO LOAD	0	47.9	1800	3.40	0	
1/4	37.5	57.7	1797	51.9	94.0	
2/4	75.0	79.1	1793	73.9	96.1	
3/4	112	106	1790	82.7	96.4	
4/4	150	135	1786	86.3	96.2	
5/4	187	167	1782	87.7	95.9	
SPEED TORQUE						
	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES		
LOCKED ROTOR	0	148	655	868		
PULL UP	720	139	615	820		
BREAKDOWN	1725	252	1110	504		
FULL LOAD	1786	100	441	135		
AMPERES SHOWN FOR 575. 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.						
		DR. BY J. P. TSAO CK. BY W. L. SMITH APP. BY W. L. SMITH DATE 04/18/12		A-C MOTOR PERFORMANCE DATA A44WG3532-R001 ISSUE DATE 04/18/12		



416820-036

A-C MOTOR
CONNECTION DIAGRAM
STANDARD 3 LEAD CONNECTED



(N.P. 1575-BA)

416820-036

REV. DESC: LOADED TO BUS, C/R 335225		
REV. LTR: -	VERSION: 00	TDR: 000000538207
FILE: \MGA\00000\682	REVISED: 11: 54: 06 04/30/2010	
MTL: -	BY: RAGRA	

BALDOR

CONN DIAG - STANDARD 3 LEAD
SH 1 of 1