

BALDOR® • RELIANCE 

Product Information Packet

EM2558T-5

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

Part Detail							
Revision:	J	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	A44WG3532	CD Diagram:	416820-036	Mfg Plant:	
Mech. Spec:		Layout:	611750-501	Poles:	04	Created Date:	12-17-2010
Base:		Eff. Date:	02-24-2017	Leads:	3#1		

Specs			
Catalog Number:	EM2558T-5	Heater Indicator:	No Heater
Enclosure:	DP	Insulation Class:	F
Frame:	444T	Inverter Code:	Inverter Ready
Frame Material:	Iron	KVA Code:	G
Output @ Frequency:	150.000 HP @ 60 HZ	Lifting Lugs:	No Lifting Lugs
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	3 @ 1 AWG
Voltage @ Frequency:	575.0 V @ 60 HZ	Motor Type:	A44062M
XP Class and Group:	None	Mounting Arrangement:	F1
XP Division:	Not Applicable	Power Factor:	86
Agency Approvals:	CCSA US	Product Family:	Other
	CSA EEV	Pulley End Bearing Type:	Ball
Auxillary Box:	No Auxillary Box	Pulley Face Code:	Standard
Base Indicator:	Rigid	Shaft Ground Indicator:	No Shaft Grounding
Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Rotation:	Reversible
Current @ Voltage:	136.000 A @ 575.0 V	Shaft Slinger Indicator:	No Slinger
Design Code:	B	Speed Code:	Single Speed
Drip Cover:	No Drip Cover	Motor Standards:	NEMA
Duty Rating:	CONT	Starting Method:	Direct on line

Feedback Device:	NO FEEDBACK	Thermal Device - Bearing:	NONE (OLD)
		Thermal Device - Winding:	None

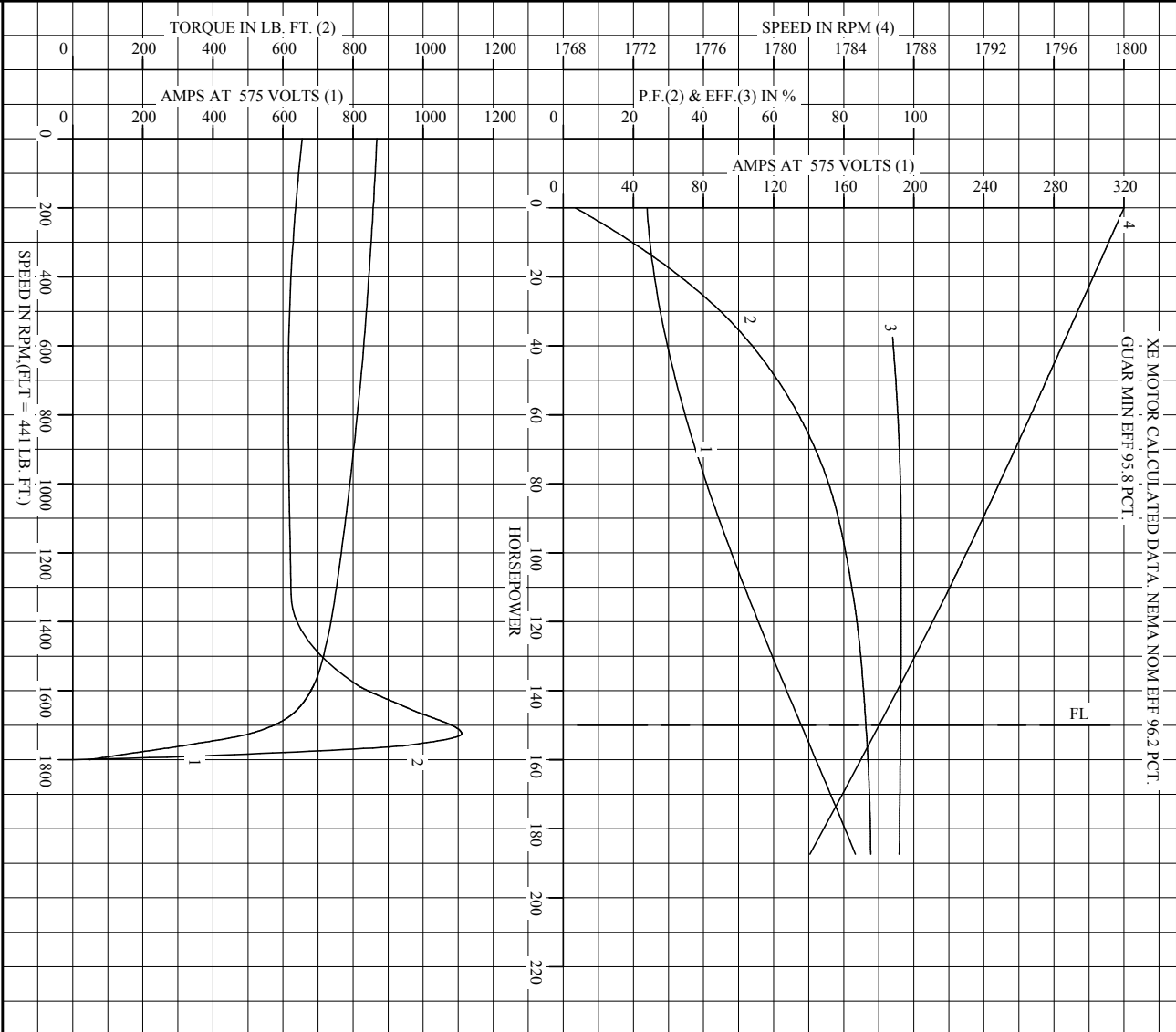
Nameplate NP2377L									
CAT.NO.	EM2558T-5	SPEC NO.	P44G1798						
HP	150	AMPS	136	VOLTS	575	DESIGN	B		
FRAME	444T	RPM	1785	HZ	60	AMB	40	SF	1.15
DRIVE END BEARING	90BC03J30X	PHASE	3	DUTY	CONT	INSUL.CLASS	F		
OPP D.E. BEARING	90BC03J30X	TYPE	P	ENCL	DP	CODE	G		
SER.NO.		POWER FACTOR	86	NEMA-NOM-EFFICIENCY	96.2				
		MAX CORR KVAR	30.0	GUARANTEED EFFICIENCY	95.8				
		NEMA NOM/CSA QUOTED EFF							
		MOTOR WEIGHT	1535						

Parts List		
Part Number	Description	Quantity
SA213570	SA P44G1798	1.000 EA
RA200790	RA P44G1798	1.000 EA
421948051	LABEL, MYLAR	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 CSA-C US CSA-EEV (LASER)	1.000 EA
702611001A	BAFFL 440 SUB PAINT	1.000 EA
089439051A	BRKT 440 089439051WCB	1.000 EA
004824015A	GREASE POLYREX EM	1.160 LB
032018028EK	HHCS 5/8-11X3-1/2L PLTD	4.000 EA
032018036DK	HHCS 1/2-13X4-1/2 PLTD.	3.000 EA
410700004A	WSHR	1.000 EA
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 EA
034017012AB	LCKW 1/4 STD. PLATED	4.000 EA
032018005AK	HHCS 1/4-20X5/8 PLATED	4.000 EA
032018005AK	HHCS 1/4-20X5/8 PLATED	4.000 EA
034000012AB	WSHR 1/4 STD. PLATED	4.000 EA
034600001AA	BUSH 1/4TO1/8 BLACK	1.000 EA
034017012AB	LCKW 1/4 STD. PLATED	4.000 EA
034600001AA	BUSH 1/4TO1/8 BLACK	1.000 EA
034000012AB	WSHR 1/4 STD. PLATED	4.000 EA
032018005AK	HHCS 1/4-20X5/8 PLATED	4.000 EA
089439051A	BRKT 440 089439051WCB	1.000 EA
702611001A	BAFFL 440 SUB PAINT	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
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
415045002A	SLGR	1.000 EA
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 EA
076863000C	+CBCST BLKT - 440	1.000 EA
406056007A	GASKET, 440	1.000 EA
076864000A	CBCST BLKT - 440	1.000 EA
067053001C	GASK 440	1.000 EA
418150003A	GREASE FITTING CAP	1.000 EA
MG1025Y17	WILKOFAS, 789.701, SUPER E PEARL GOLD	0.250 GA
033775004EA	DRSCR #6-1/4 304 S.S.	2.000 EA
032018008BK	HHCS 5/16-18X1L PLATED	4.000 EA
032018008DK	HHCS 1/2-13X1 PLATED	4.000 EA
048897010DJ	BUSH - 445	1.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
415000103D	T/LUG #4AWG-1/0AWG W/HOLE FOR .250 BOLT	1.000 EA
033512006LB	HHTTS 1/4-20X3/4 PLTD.	1.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
418150003A	GREASE FITTING CAP	1.000 EA
034180054KA	KEY 7/8X7/8X6-3/4 L	1.000 EA
PK5004A09	BASE 48 X 39-1/4 STACK 2 X 4 RUUNER	1.000 EA

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

REL. S.O. _____ RPM 1785 S.F. 1.15 ROTOR 418143-040-PE
 FRAME 444T VOLTS 575 NEMA DESIGN B TEST S.O. ---
 HP 150 AMPS 135 CODE LETTER G TEST DATE ---
 TYPE P DUTY CONT ENCLOSURE PRXE STATOR RES. @ 25 °C .0498
 PHASE/HERTZ 3/60 AMB °C/INSUL 40/F E/S 497797 OHMS (BETWEEN LINES)



BALDOR
 A MEMBER OF THE ABB GROUP

DR. BY J.F. ISAO
 CK. BY W.L. SMITH
 App. BY W.L. SMITH
 DATE 04/18/12

A-C MOTOR PERFORMANCE CURVES
 A44W/G3532-R001
 ISSUE DATE 04/18/12


Printed on 4/18/12 8:10 @ ragsun

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	PRXXE
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	

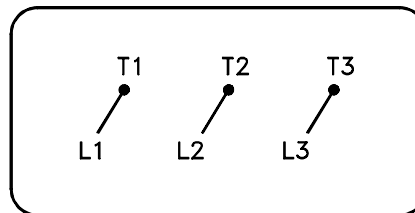
SPEED TORQUE						
	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES		
LOCKED ROTOR	0	148	655	868		
PULL UP	720	139	615	820		
BREAKDOWN	1725	252	1110	504		
FULL LOAD	1786	100	441	135		

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.

 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 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