ABB BALDOR RELIANCE

Customer information packet

EM2558T-5

150HP, 1785RPM, 3PH, 60HZ, 444T, A44062M, ODP
Class - None
Division - Not Applicable

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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

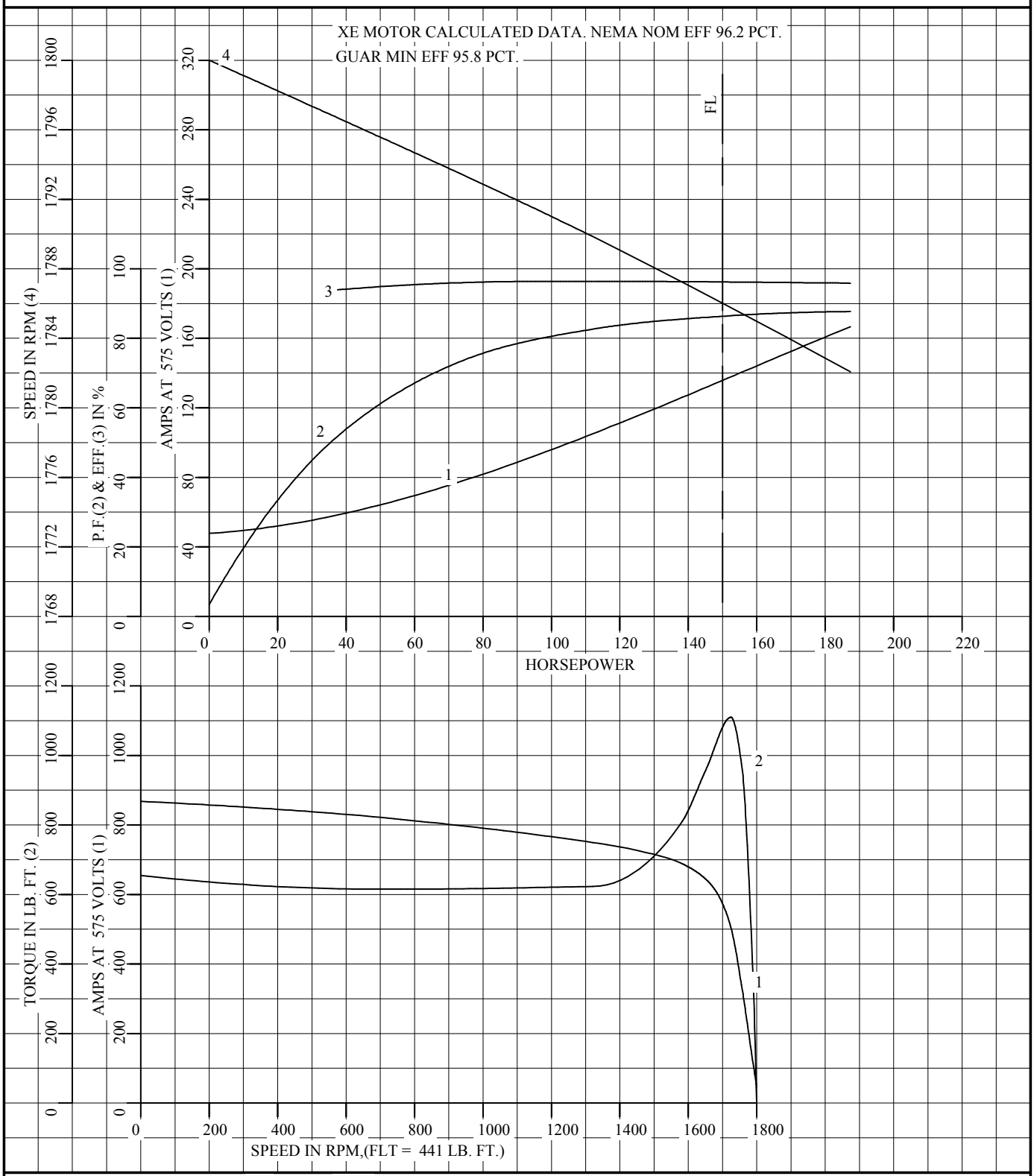
Nameplate

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	S.F. 1.15	ROTOR 418143-040-PE
HP 150	VOLTS 575	NEMA DESIGN B	TEST S.O. ---
TYPE P	AMPS 135	CODE LETTER G	TEST DATE ---
PHASE/HERTZ 3/60	DUTY CONT	ENCLOSURE PRXE	STATOR RES.@ 25 ℃ .0498
	AMB ℃/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.

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APP. BY W. L. SMITH
DATE 04/18/12

A-C MOTOR PERFORMANCE DATA

A44WG3532-R001
ISSUE DATE 04/18/12

617428-042

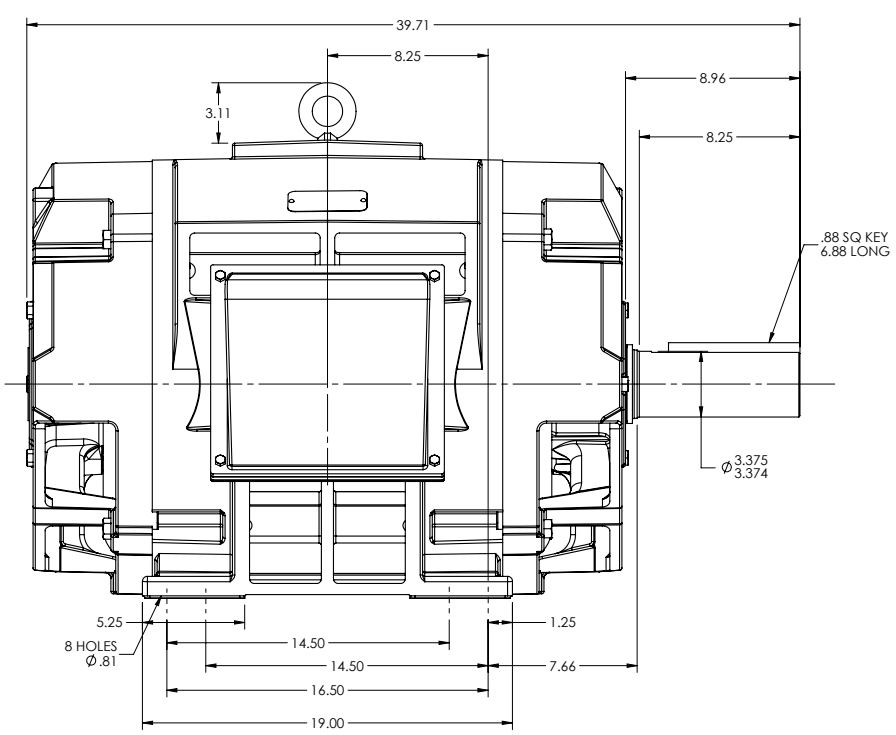
DUTY MASTER ALTERNATING CURRENT MOTORS

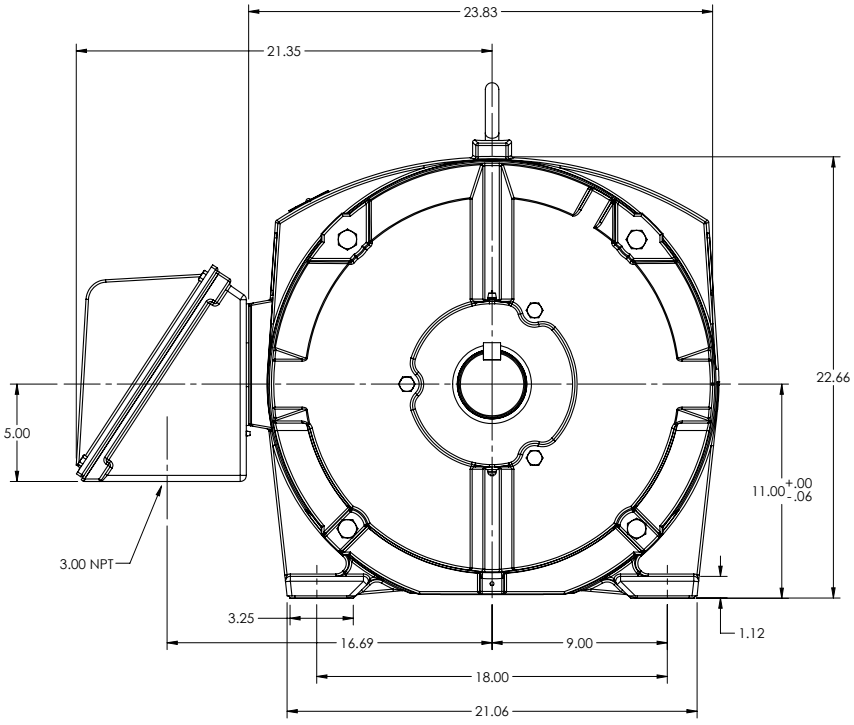
SQUIRREL-CAGE INDUCTION
CAST IRON CONSTRUCTION

ENCLOSURE: PROTECTED
MOUNTING: FOOT

FRAMES 444T-445T

COOLING: SELF-VENTILATED





MAXIMUM PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF STD. SHAFT EXTENSION IS .002 T.I.R. UP TO AND INCLUDING 1.625 DIA. AND .003 T.I.R. 1.625 DIA. TO 5 INCH DIA.

WEIGHT (LBS): 444T = 1735
445T = 1775

MOTOR WEIGHTS MAY VARY BY 15% DEPENDING UPON RATING.

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION

REV. DESC: LOAD TO BUS			
REV: -	VERSION: 00	REVISED: 11:30:51 09/10/2013	TDR: 000000816903
MODEL NO. 617428-042			REF:
BY: ENALEM0			B

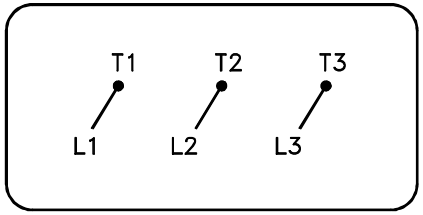
BALDOR

DIM SHEET HOR 444-445T OPEN

617428-042

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			BALDOR
REV. LTR: –	VERSION: 00	TDR: 000000538207	
FILE: \MGA\00000\682		REVISED: 11:54:06 04/30/2010	CONN DIAG – STANDARD 3 LEAD
MTL: –		BY: RAGRA	SH 1 of 1