

# **BALDOR**® • ***RELIANCE***

## **Product Information Packet**

# **OF33100T**

**100HP,1125RPM,3PH,60HZ,445T,1864M,OPEN**

Part Detail							
Revision:	K	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	A44072M	Elec. Spec:	A44WG1488	CD Diagram:	416820-004
Enclosure:	DP	Mfg Plant:		Mech. Spec:		Layout:	611750-501
Frame:	445T	Mounting:	F2	Poles:	06	Created Date:	10-19-2010
Base:		Rotation:	R	Insulation:	F	Eff. Date:	11-19-2014
Leads:	6#4					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP2531L			
CAT.NO.	OF33100T	SPEC NO.	P44G1782
HP	100	PHASE	3
RPM	1125	DESIGN	D
VOLTS	460/796	TYPE	P
AMPS	121/69.9	AMB	40
DRIVE END BEARING	90BC03J30X	SF	1.00
OPP D.E. BEARING	90BC03J30X	INSUL.CLASS	F
SER.NO.		ENCL	DP
		CODE	G
		NEMA-NOM-EFFICIENCY	89.5
		MOTOR WEIGHT	1620
		FRAME	445T

Parts List		
Part Number	Description	Quantity
SA209191	SA P44G1782	1.000 EA
RA196453	RA P44G1782	1.000 EA
NP2531L	INDUSTRIAL MOTOR,SS, CSA-C US,	1.000 EA
000692000VD	LABEL WARNING	1.000 EA
004824015A	GREASE POLYREX EM	1.156 LB
032018005AK	HHCS 1/4-20X5/8 PLATED	4.000 EA
032018006AK	HHCS 1/4-20X3/4L PLATED	1.000 EA
032018028EK	HHCS 5/8-11X3-1/2L PLTD	4.000 EA
032018036DK	HHCS 1/2-13X4-1/2 PLTD.	3.000 EA
032375008JB	RHMS 10-24X1L PLATED	16.000 EA
034000012AB	WSHR 1/4 STD. PLATED	4.000 EA
034017012AB	LCKW 1/4 STD. PLATED	4.000 EA
034600001AA	BUSH 1/4TO1/8 BLACK	1.000 EA
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 EA
089439051A	BRKT 440 089439051WCB	1.000 EA
089439051A	BRKT 440 089439051WCB	1.000 EA
410700004A	WSHR	1.000 EA
415090010A	CLIP (400)	4.000 EA
415090011A	CLIP (400)	4.000 EA
604967034A	LOUV 440	2.000 EA
604967044A	LOUVER COVER E444/5 FRAME PROTECTED	2.000 EA
702611001A	BAFFL 440 SUB PAINT	1.000 EA
702617016A	SCREN - 445	1.000 EA
034000012AB	WSHR 1/4 STD. PLATED	1.000 EA

<b>Parts List (continued)</b>		
<b>Part Number</b>	<b>Description</b>	<b>Quantity</b>
032018005AK	HHCS 1/4-20X5/8 PLATED	4.000 EA
032018006AK	HHCS 1/4-20X3/4L PLATED	1.000 EA
032018028EK	HHCS 5/8-11X3-1/2L PLTD	4.000 EA
032018036DK	HHCS 1/2-13X4-1/2 PLTD.	3.000 EA
034000012AB	WSHR 1/4 STD. PLATED	4.000 EA
034017012AB	LCKW 1/4 STD. PLATED	4.000 EA
034000012AB	WSHR 1/4 STD. PLATED	1.000 EA
034600001AA	BUSH 1/4TO1/8 BLACK	1.000 EA
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 EA
702617016A	SCREEN - 445	1.000 EA
032018008BK	HHCS 5/16-18X1L PLATED	4.000 EA
032018008DK	HHCS 1/2-13X1 PLATED	4.000 EA
033512006LB	HHTTS 1/4-20X3/4 PLTD.	1.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
048897010DJ	BUSH - 445	1.000 EA
048977006J	GRFTG - 440	1.000 EA
067053001C	GASK 440	1.000 EA
076863000C	+CBCST BLKT - 440	1.000 EA
076864000A	CB CVRCST BLKT - 440	1.000 EA
406056007A	GASKET, 440	1.000 EA
415000103D	T/LUG #4AWG-1/0AWG W/HOLE FOR .250 BOLT	1.000 EA
418150003A	GREASE FITTING CAP	1.000 EA
MG1025G03	WILKOFAS, 789.901, OIL RIG SILVER	1.000 GA

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L482401016	SPRAY AC-29-7S	1.000 GA
033775004EA	DRSCR #6-1/4 304 S.S.	2.000 EA
418150003A	GREASE FITTING CAP	1.000 EA
415045002A	SLGR	1.000 EA
702611001A	BAFFL 440 SUB PAINT	1.000 EA
034180054KA	KEY 7/8X7/8X6-3/4 L	1.000 EA
421948037	LABEL, MYLAR	1.000 EA
PK5004A09	BASE 48 X 39-1/4 STACK 2 X 4 RUUNER	1.000 EA

REL. S.O.	FRAME	HP	TYPE	PHASE/HERTZ	RPM	VOLTS
	445T	100	P	3/60	1125	460/796
AMPS	DUTY	AMB °C/INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
121/69.9	CONT	40/F	1.0	D	G	ODP
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES (25 °C OHMS (BETWEEN LINES))		
498799	418143069FA	---	---	.0485/.145		

PERFORMANCE


LOAD	HP	AMPERES	RPM	POWER FACTOR %	EFFICIENCY %
NO LOAD	0	21.8	1200	6.22	0
1/4	25.0	27.7	1183	54.9	89.3
2/4	50.0	38.8	1166	76.1	91.6
3/4	75.0	53.5	1147	83.3	91.1
4/4	100	69.9	1127	86.4	89.7
5/4	125	87.2	1105	88.4	87.8

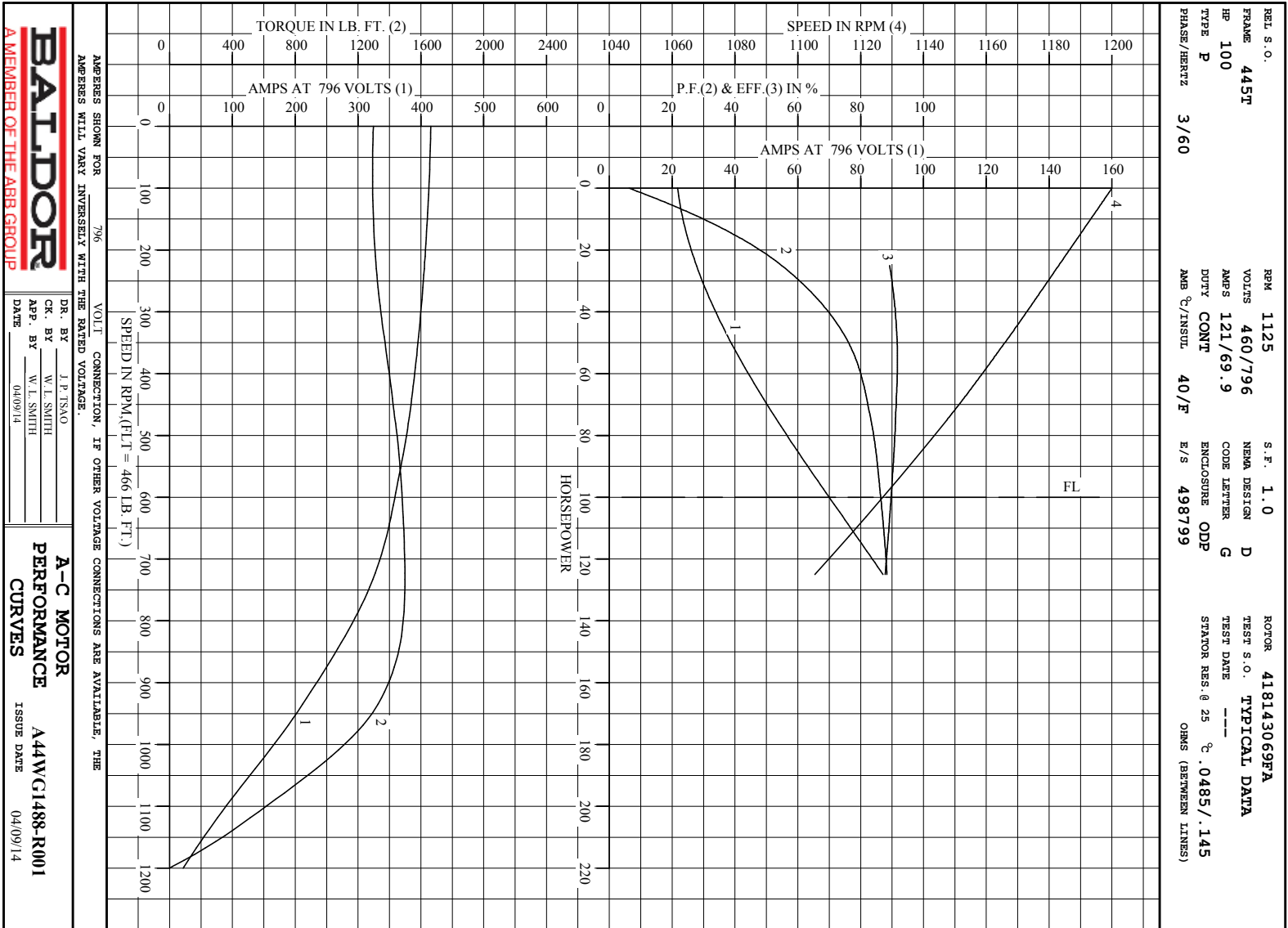
SPEED TORQUE

	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES
LOCKED ROTOR	0	278	1297	416
PULL UP	0	278	1297	416
BREAKDOWN	735	321	1498	323
FULL LOAD	1127	100	466	69.9

AMPERES SHOWN FOR 796. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE

REMARKS: TYPICAL DATA

 <p>A MEMBER OF THE ABB GROUP</p>	DR. BY <u>J. E. TSNO</u> CK. BY <u>W. I. SMITH</u> APP. BY <u>W. I. SMITH</u> DATE <u>04/09/14</u>	A-C MOTOR PERFORMANCE DATA A44WG1488-R001 ISSUE DATE 04/09/14
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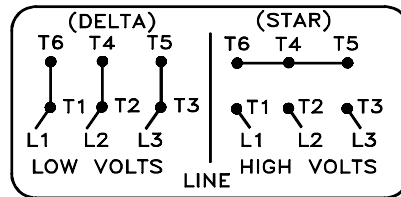
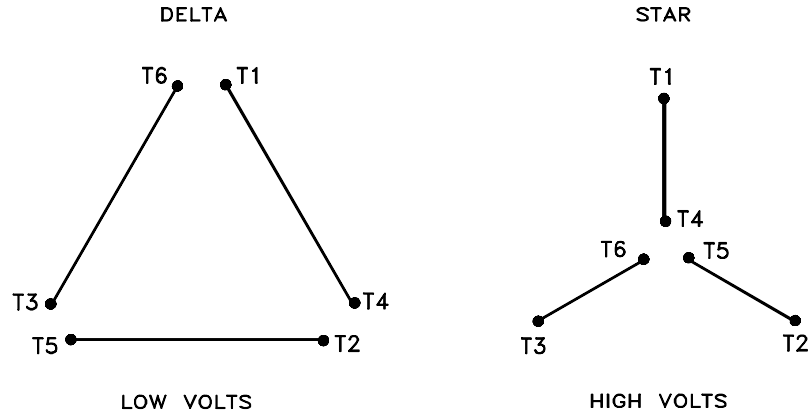


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416820-004

A-C MOTOR  
CONNECTION DIAGRAM  
STANDARD 6 LEAD (DELTA/STAR CONNECTED)  
DUAL VOLTAGE (LOW VOLTS/HIGH VOLTS)



(N.P. 1767-CC)

416820-004

REV. DESC: ADDED CLASSIFICATONS		
REV. LTR: B	VERSION: 02	TDR: 000000539297
FILE: \RSN\00017\950	REVISED: 11:58:09 05/04/2010	
MTL: -	BY: RAGRA	

**BALDOR**

A-C MOTOR CONNECTION DIAGRAM

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