

BALDOR® • RELIANCE 

Product Information Packet

EM2558TS-4

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

Part Detail							
Revision:	J	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	A44WG2178	CD Diagram:	416820-036	Mfg Plant:	
Mech. Spec:		Layout:	617428-041	Poles:	04	Created Date:	12-17-2010
Base:		Eff. Date:	02-24-2017	Leads:	3#1/0		

Specs			
Catalog Number:	EM2558TS-4	Heater Indicator:	No Heater
Enclosure:	DP	Insulation Class:	F
Frame:	444TS	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 @ 1/0 AWG
Voltage @ Frequency:	460.0 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:	170.000 A @ 460.0 V	Speed Code:	Single Speed
Design Code:	B	Motor Standards:	NEMA
Drip Cover:	No Drip Cover	Starting Method:	Direct on line
Duty Rating:	CONT	Thermal Device - Bearing:	None

Feedback Device:	NO FEEDBACK	Thermal Device - Winding:	None
-------------------------	-------------	----------------------------------	------

Nameplate NP2383L									
CAT.NO.	EM2558TS-4			SPEC NO.	P44G1799				
HP	150	AMPS	170	VOLTS	460	DESIGN	B		
FRAME	444TS	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	
NEMA NOM/CSA QUOTED EFF				MAX CORR KVAR	30.0		GUARANTEED EFFICIENCY	95.8	
				MOTOR WEIGHT	1519				

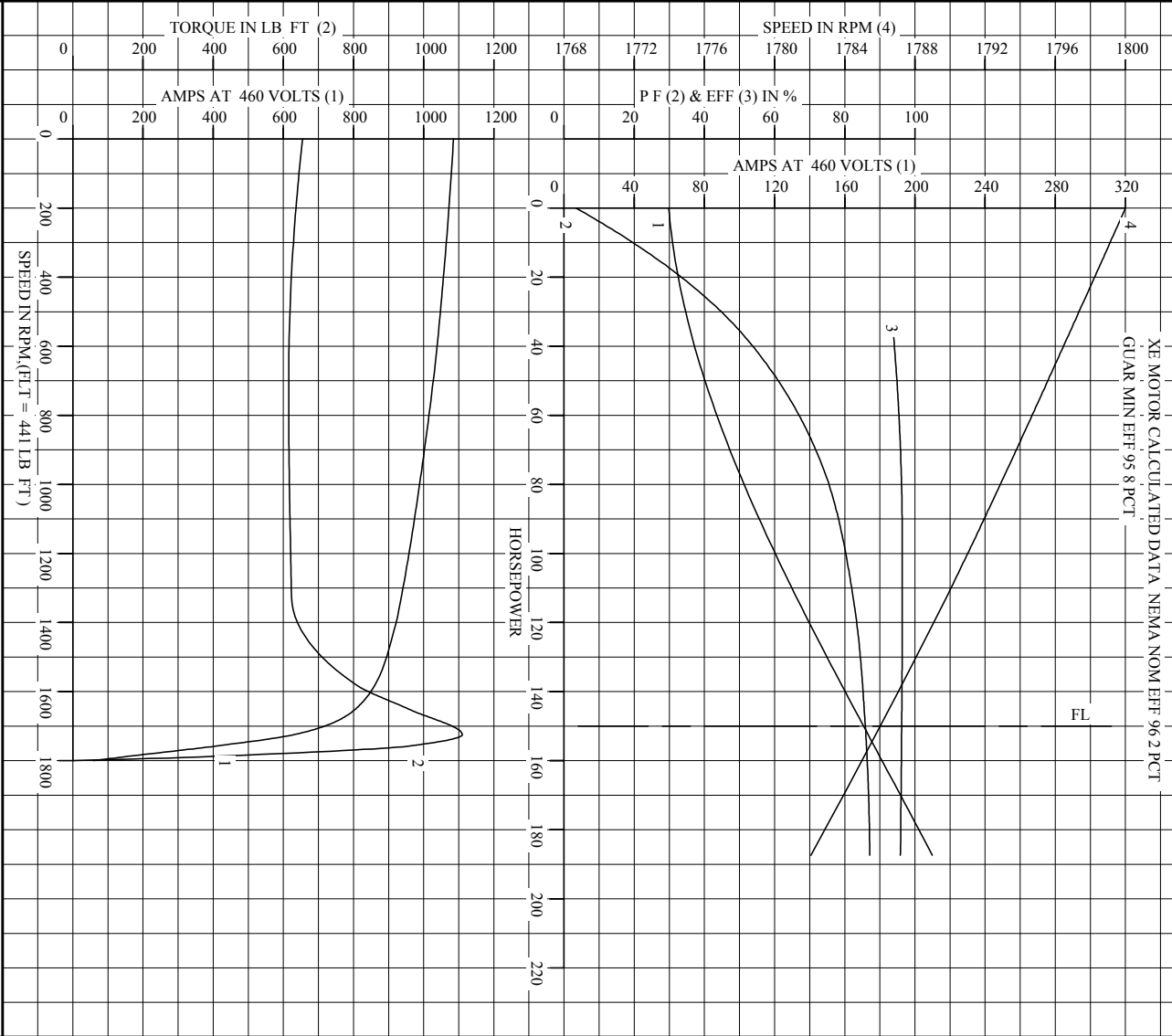
Parts List		
Part Number	Description	Quantity
SA213594	SA P44G1799	1.000 EA
RA200814	RA P44G1799	1.000 EA
421948051	LABEL, MYLAR	1.000 EA
000613006PU	N/P (RELEASE QTY 10,000) UL CSA LABEL	1.000 EA
000692000VD	LABEL WARNING	1.000 EA
NP2383L	SUPER-E ,SS, CC, CSA-C US, CSA EEV	1.000 EA
702611001A	BAFFL 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 034017012AF	4.000 EA
405851012AC	SPACE	4.000 EA
032018008AK	HHCS 1/4-20X1 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
405851012AC	SPACE	4.000 EA
034017012AB	LCKW 1/4 STD. PLATED 034017012AF	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

Parts List (continued)		
Part Number	Description	Quantity
032018008AK	HHCS 1/4-20X1 PLATED	4.000 EA
089439051A	BRKT 440 089439051WCB	1.000 EA
702611001A	BAFFL 440 SUB PAINT	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
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
048977006J	GRFTG - 440	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
034180024HA	KEY 5/8X5/8X3 L	1.000 EA

PK5004A09	BASE 48 X 39-1/4 STACK 2 X 4 RUNNER	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 445T 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 AMB °C/INSUL 40/B E/S 497412 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 B. PENNIEY
 CK. BY W.L. SMITH
 APP. BY W.L. SMITH
 DATE 12/02/10

A-C MOTOR PERFORMANCE CURVES A44WG2178-R001
 ISSUE DATE 12/02/10

Printed on 12/2/10 14:52 @ ragsun

REL. S.O.	FRAME	HP	TYPE	PHASE/HERTZ	RPM	VOLTS
	445T	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	PRXE
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C (OHMS (BETWEEN LINES))		
497412	418143-040-PE	---	---	.0318		

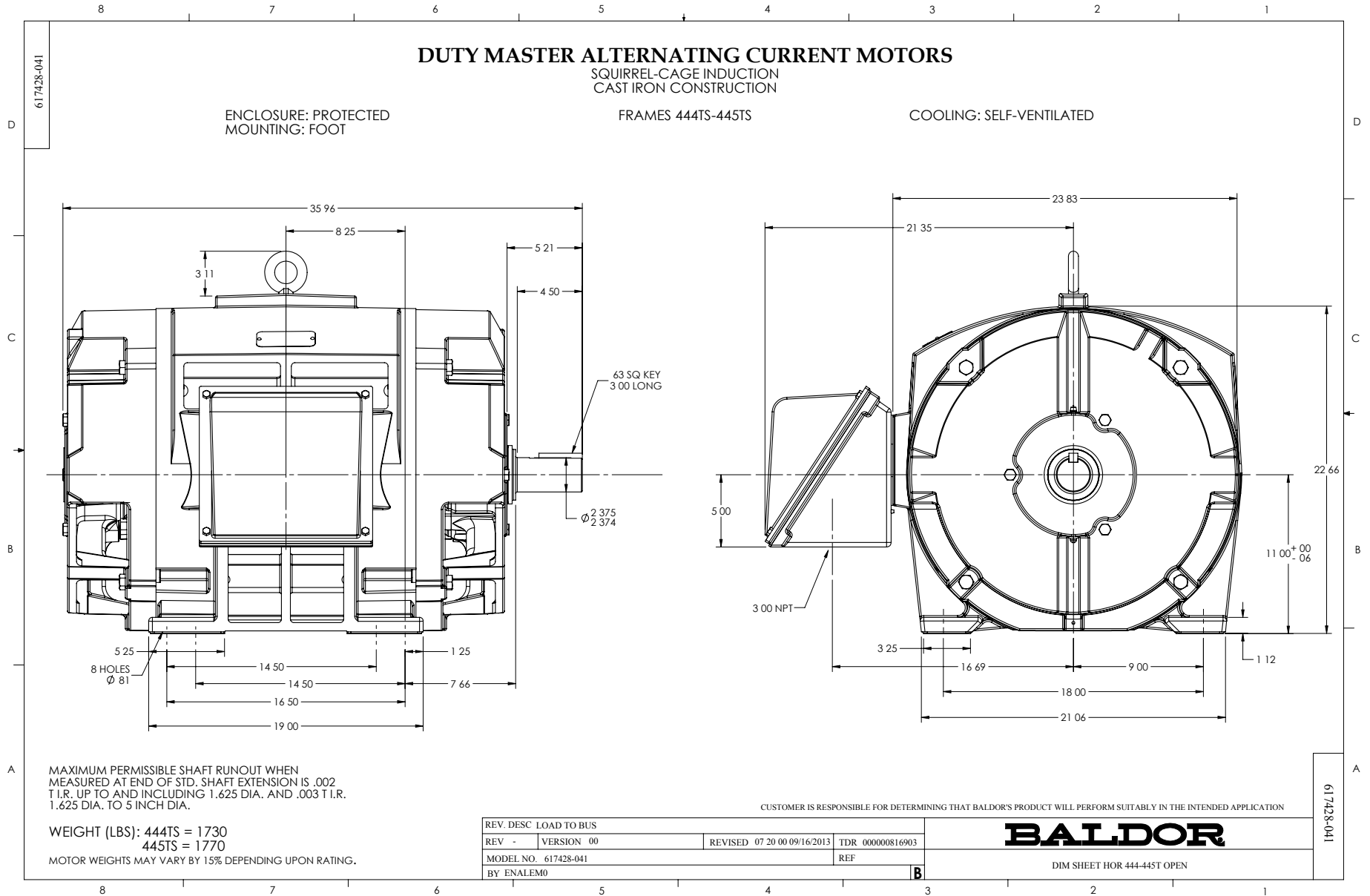
PERFORMANCE						
LOAD	HP	AMPERES	RPM	POWER FACTOR %	EFFICIENCY %	
NO LOAD	0	59.9	1800	3.40	0	
1/4	37.5	72.2	1797	51.8	94.0	
2/4	75.0	99.1	1793	73.7	96.1	
3/4	112	133	1790	82.3	96.4	
4/4	150	170	1786	85.9	96.2	
5/4	187	210	1782	87.1	95.9	

SPEED TORQUE						
	RPM	TORQUE % FULL LOAD	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	B. R. PENDLEY	A-C MOTOR
	CK. BY	W. I. SMITH	
	APP. BY	W. I. SMITH	PERFORMANCE DATA
	DATE	12/02/10	ISSUE DATE 12/02/10



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