

BALDOR® • RELIANCE

Product Information Packet

EM4408TR-4

250HP,1785RPM,3PH,60HZ,449T,TEFC,F1

Part Detail							
Revision:	C	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	A44144M	Elec. Spec:	A44WG5150	CD Diagram:	416820-036
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:		Layout:	617427-209
Frame:	449T	Mounting:	F1	Poles:	04	Created Date:	04-13-2015
Base:		Rotation:	R	Insulation:	F	Eff. Date:	11-08-2016
Leads:	3#1/0 (02 per group)					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP2496L

MOBIL SHC 220

Nameplate NP2349L

SPEC NO.	A44-7126-5150			CAT.NO.	EM4408TR-4			FRAME	449T			
HP	250		VOLTS	460		PHASE	3	DESIGN	B	TYPE	P	
RPM	1785	AMPS	276			HZ	60	AMB	40	SF	1.15	
DRIVE END BEARING	110RU02M30X			DUTY	CONT		INSUL.CLASS	F				
OPP D.E. BEARING	90BC03J30X			ENCL	TEFC		CODE	G				
SER.NO.				POWER FACTOR	88		NEMA-NOM-EFFICIENCY	96.2				
						MAX CORR KVAR	39		GUARANTEED EFFICIENCY			95.4
						NEMA NOM/CSA QUOTED EFF						
						MOTOR WEIGHT			2888			

Parts List		
Part Number	Description	Quantity
SA299284	SA A44-7126-5150	1.000 EA
RA286299	RA A44-7126-5150	1.000 EA
421948051	LABEL, MYLAR	1.000 EA
NP2496L	MOTOR LUBE NAMEPLATE	1.000 EA
000613006PU	N/P (RELEASE QTY 10,000) UL CSA LABEL	1.000 EA
000692000FF	N/P	1.000 EA
000692000VD	LABEL WARNING	1.000 EA
NP2349L	SUPER-E ,SS, CSA, CSA SUPER-E	1.000 EA
418151014H	RETAIN RING	1.000 EA
089490099A	G28 BRKT 089490098WCA KB	1.000 EA
415072001B	CLAMP	1.000 EA
083199126RA	G28 MOLDED FAN COVER W/BAFFLE ASSEMBLY	1.000 EA
034180014DA	KEY 1/4X1/4X1-3/4 L	1.000 EA
078548001R	FAN KB 234/150 (84) 400	1.000 EA
004824015AP	GREASE MOBILITH SHC 220	1.160 LB
032018020FK	HHCS 3/4-10X2-1/2 PLTD.	4.000 EA
032018008CK	HHCS 3/8-16X1L PLATED	4.000 EA
032018030DK	HHCS 1/2-13X3-3/4 PLTD.	3.000 EA
415096002A	CPLG 1/8 HEX TYPE	1.000 EA
034630002AB	CPLG 1/4" PLATED	1.000 EA
034017014AB	LCKW 3/8 STD. PLATED	4.000 EA
034530072BB	PIPE NIPPLE,DE - 440-BS	1.000 EA
034530072AB	P/NIP 1/8X9"L Threaded both ends	1.000 EA
034690005AB	PPLG 3/4 PLATED	1.000 EA

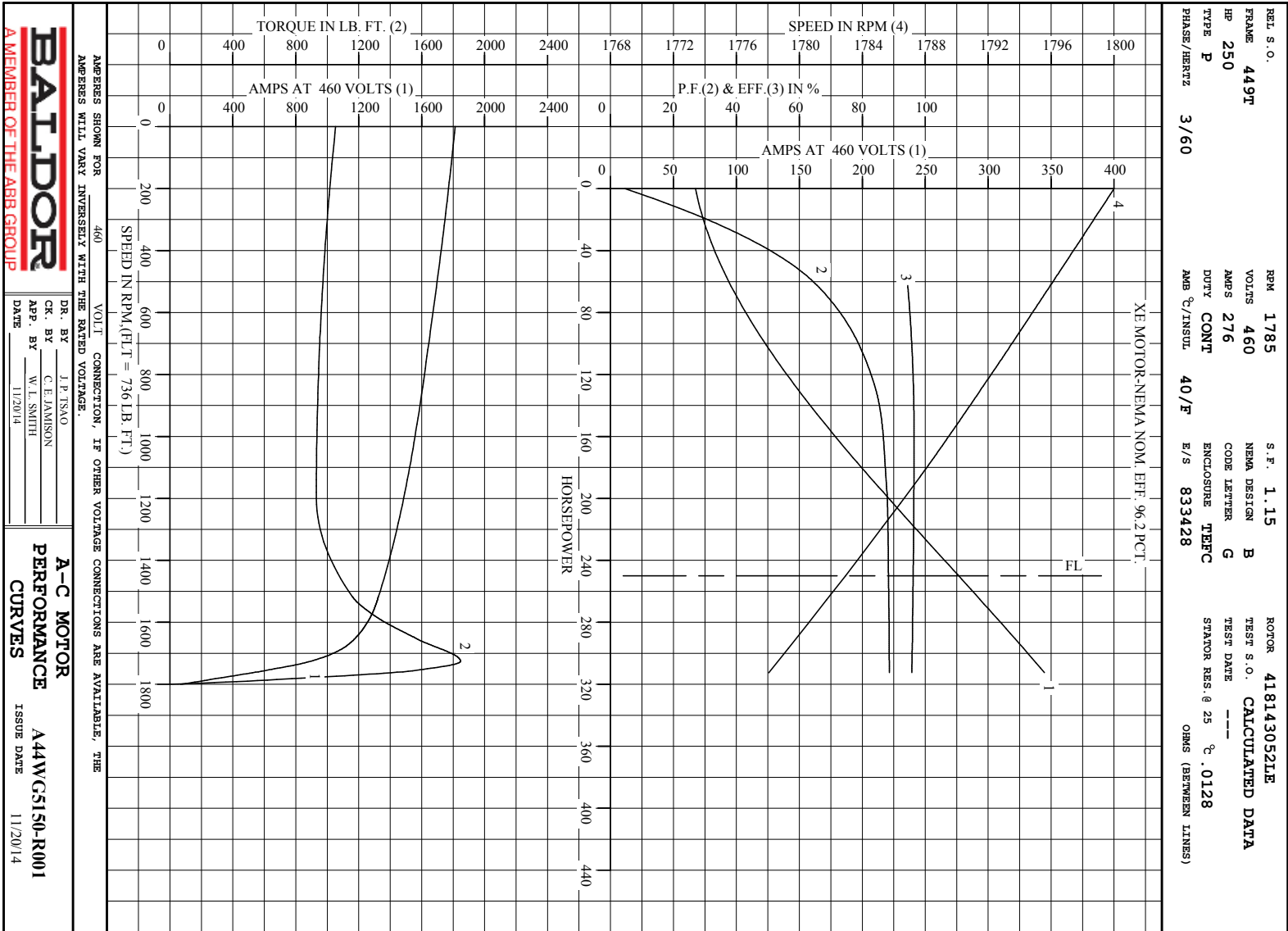
Parts List (continued)		
Part Number	Description	Quantity
034690002AB	"unbulked" PPLG 1/4" PLTD.	1.000 EA
034690001AB	SQHDPLG, COND	1.000 EA
032620016LA	SOCKET SET SCREW-449	3.000 EA
702623022A	G28 AIR DEFLECTOR DRIVE END -- PLASTIC	1.000 EA
418151014G	RETAIN RING	1.000 EA
418151014G	RETAIN RING	1.000 EA
034630002AB	CPLG 1/4" PLATED	1.000 EA
034530072BB	PIPE NIPPLE,DE - 440-BS	1.000 EA
034690002AB	"unbulked" PPLG 1/4" PLTD.	1.000 EA
034690001AB	SQHDPLG, COND	1.000 EA
702623013A	THERMAL BARRIER -- G28 -- BRACKET MTD	1.000 EA
032018004BK	HHCS 5/16-18X1/2 PLATED	3.000 EA
034017013AB	LCKW 5/16 STD. PLATED	3.000 EA
089490101A	G28 BRKT 089490100WCA	1.000 EA
032018020FK	HHCS 3/4-10X2-1/2 PLTD.	4.000 EA
032018030DK	HHCS 1/2-13X3-3/4 PLTD.	3.000 EA
034530072AB	P/NIP 1/8X9"L Threaded both ends	1.000 EA
415096002A	CPLG 1/8 HEX TYPE	1.000 EA
032018006BK	HHCS 5/16-18X3/4 PLATED	3.000 EA
034001013AB	FLTW BAFFLE	3.000 EA
415915007G	GASK, LAC	1.000 FT
702658001B	+C/BOX, PAINTED 440	1.000 EA
702658002A	+C/BOX CVR, PAINTED 440	1.000 EA
406056008A	GASKET, TERBD 440	1.000 EA

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418153001A	GASK 440	1.000 EA
418150003A	GREASE FITTING CAP	1.000 EA
032018008DK	HHCS 1/2-13X1 PLATED	4.000 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.	8.000 EA
406099000A	PLUG - FAN COVER 320-440	1.000 EA
033512004LB	HHTTS 1/4-20X1/2 PLTD.	1.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
418150003A	GREASE FITTING CAP	1.000 EA
MG1025Y03	WILKOFAS, 789.701, SUPER E PEARL GOLD	2.000 QT
033775004EA	DRSCR #6-1/4 304 S.S.	2.000 EA
034180054KA	KEY 7/8X7/8X6-3/4 L	1.000 EA
604797056	400-447 FRAME 60 X 42	1.000 EA
032510026D	CARRIAGE BOLT - 440	2.000 EA
034001014AB	FLAT WASHER 3/8"PLATED	2.000 EA
032018028CK	HHCS 3/8-16X3-1/2 PLTD.	1.000 EA
604797001R	440 FR. ROLLER BEARING MOTOR SHAFT	1.000 EA
000692000RT	N/P	1.000 EA
034001016AB	WSHR .562ID 1.375OD .109	2.000 EA
034001014AB	FLAT WASHER 3/8"PLATED	1.000 EA
033300014AC	HEX NUT, SHIPPING - 400	2.000 EA
604797003C	SHIPPING BAG	1.000 EA
034001016AB	WSHR .562ID 1.375OD .109	1.000 EA

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	449T	250	P	3/60	1785	460
AMPS	DUTY	AMB°C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
276	CONT	40/F	1.15	B	G	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
833428	4181430521E	---	---	.0128		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	POWER FACTOR	% EFFICIENCY	
NO LOAD	0	67.9	1800	4.53	0	
1/4	62.6	94.4	1796	65.7	94.4	
2/4	125	145	1792	83.6	96.2	
3/4	187	208	1788	87.6	96.4	
4/4	250	276	1783	88.3	96.2	
5/4	313	345	1778	88.6	95.7	
SPEED TORQUE						
		RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES	
LOCKED ROTOR	0		143	1053	1813	
PULL UP	1200		126	931	1486	
BREAKDOWN	1726		251	1847	893	
FULL LOAD	1783		100	736	276	
AMPERES SHOWN FOR 460. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE						
REMARKS: CALCULATED DATA XE MOTOR-NEMA NOM. EFF. 96.2 PCT.						
BALDOR A MEMBER OF THE ABB GROUP		DR. BY J. P. TSAO CK. BY C. E. JAMISON APP. BY W. L. SMITH DATE 11/20/14		A-C MOTOR PERFORMANCE DATA A44WG5150-R001 ISSUE DATE 11/20/14		

Printed on 11/20/14 14:16 @ ragsum



DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

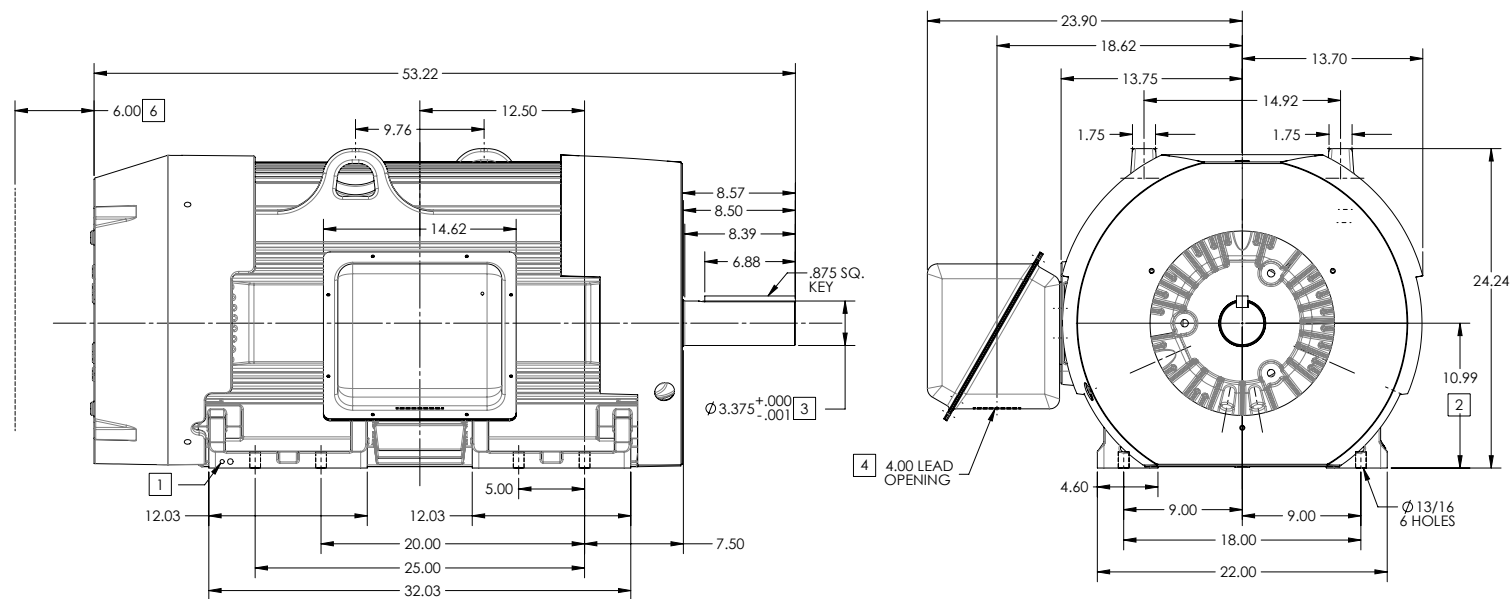
ENCLOSURE: TOTALLY ENCLOSED

FRAME 449T ABOVE NEMA RATINGS (1800 RPM MAX)

COOLING: FAN COOLED

MOUNTING: FOOT

INCLUDES 447T FRAME MOUNTING HOLES



1. GROUND HOLES QTY 1 1/2-13 TAP; QTY 1 3/8-16 TAP
2. VARIES +.00, -.06
3. VARIES +.00, -.001
4. ON STANDARD MOTORS THIS IS CONDUIT SIZE. ON XT AND CORROSION PROOF MOTOR THIS IS PIPE TAP.
5. MOTOR WEIGHTS MAY VARY BY 1.5% DEPENDING ON RATING.
6. OBSTRUCTION MUST NO ENCROACH ON AIR INLET

CONDUIT BOX LOCATED ON OPPOSITE SIDE WHEN F-2.
IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.
MAXIMUM PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF
STANDARD SHAFT EXTENSION IS .003" T.I.R. TO 5 INCH DIA.

[5] WEIGHT (LBS): 3080

DRIVE END AIR DEFLECTOR IS ONLY INCLUDED WHEN NECESSARY.

DIMENSIONS ARE IN INCHES; SEE SHEET 2 FOR DIMENSIONS IN MILLIMETERS

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

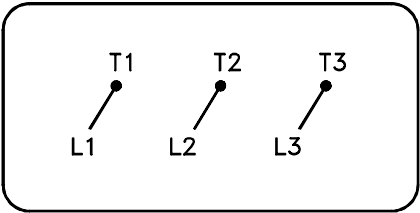
SHEET NUMBER
1 OF 1
60C-17427-209

REV. DESC. NEW ISSUE
REV: - VERSION: 00 REVISED: 04/59/09 08/26/2014 TDR: 000000867637
MODEL NO. 617427-209
BY: RAGGDM

BALDOR
G449T/447T STD FOOTED SIDE/CENTER STEEL C.B., F1 BA-7.50

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

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