

BALDOR® • RELIANCE

Product Information Packet

EM25454T-4

450HP,1780RPM,3PH,60HZ,449T,DP,F1

Part Detail							
Revision:	-	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	A44144M	Elec. Spec:	A44WG3143	CD Diagram:	416820-008
Enclosure:	DP	Mfg Plant:		Mech. Spec:		Layout:	604989-505
Frame:	449T	Mounting:	F1	Poles:	04	Created Date:	11-25-2015
Base:		Rotation:	R	Insulation:	B	Eff. Date:	12-04-2015
Leads:	6#1 (02 per group)					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP2496L

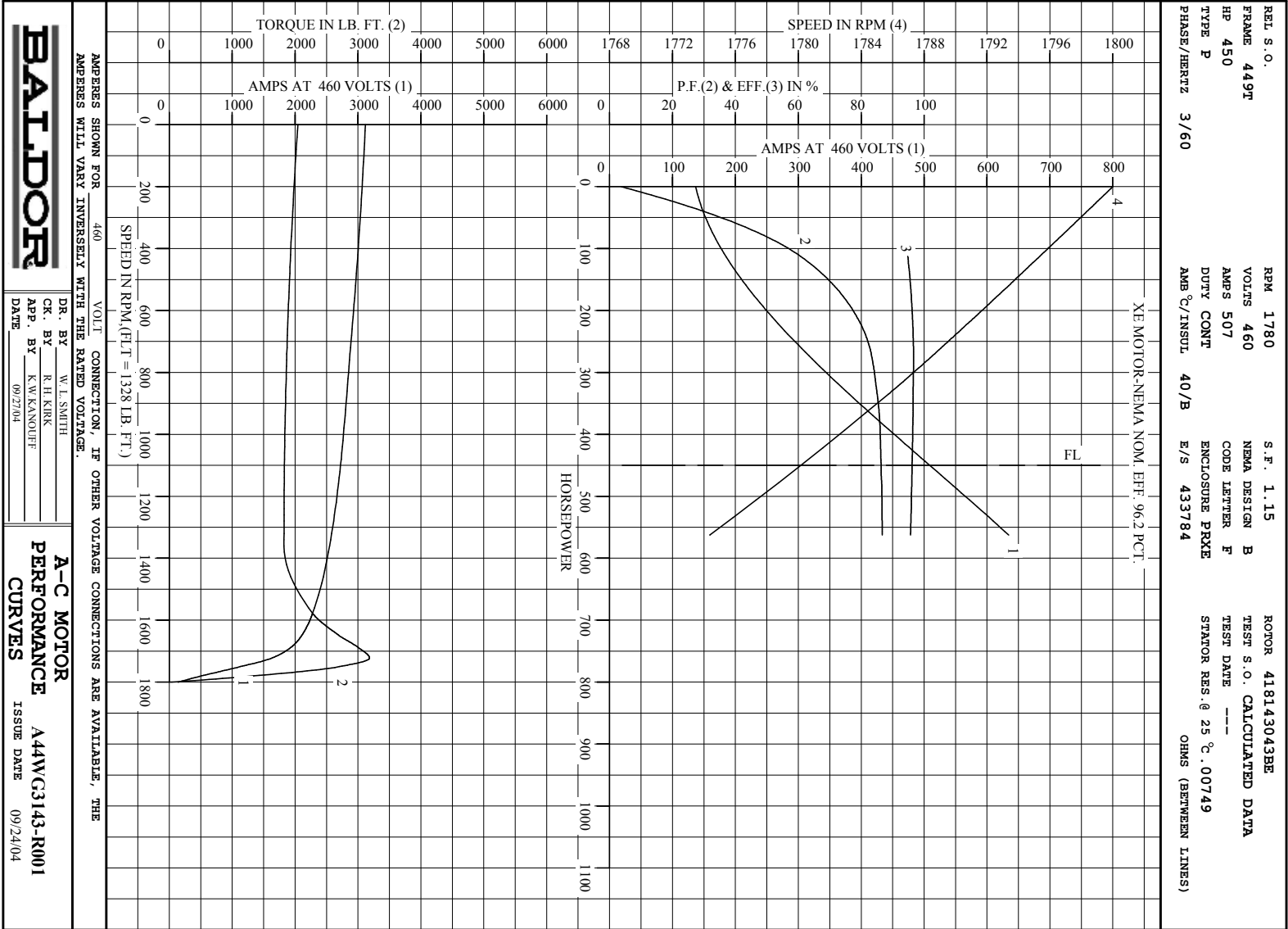
MOBIL POLYREX EM

Nameplate NP2349L

SPEC NO.	A44-8067-3143			CAT.NO.	EM25454T-4			FRAME	449T		
HP	450		VOLTS	460		PHASE	3	DESIGN	B	TYPE	P
RPM	1780	AMPS	507		HZ	60	AMB	40	SF	1.15	
DRIVE END BEARING	90BC03J30X			DUTY	CONT		INSUL.CLASS	F			
OPP D.E. BEARING	90BC03J30X			ENCL	DP	CODE	F				
SER.NO.				POWER FACTOR	86		NEMA-NOM-EFFICIENCY	96.2			
						MAX CORR KVAR	89	GUARANTEED EFFICIENCY 95.4			
						NEMA NOM/CSA QUOTED EFF					
								MOTOR WEIGHT	2888		

Parts List		
Part Number	Description	Quantity
SA310930	SA A44-8067-3143	1.000 EA
RA298337	RA A44-8067-3143	1.000 EA
421948044	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
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
034000012AB	WSHR 1/4 STD. PLATED	4.000 EA
034600001AA	BUSH 1/4TO1/8 BLACK	1.000 EA
418151014G	RETAIN RING	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

Parts List (continued)		
Part Number	Description	Quantity
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
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 EA
406056008A	GASKET, TERBD 440	1.000 EA
418150003A	GREASE FITTING CAP	1.000 EA
032018008DK	HHCS 1/2-13X1 PLATED	4.000 EA
048897010DJ	BUSH - 445	1.000 EA
702616012T	CONDUIT BOX	1.000 EA
035000001A	ALFTG 1/8" 1610-BL	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
034001016AB	WSHR .562ID 1.375OD .109	2.000 EA
033300014AC	HEX NUT, SHIPPING - 400	2.000 EA
604797003C	SHIPPING BAG	1.000 EA



DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

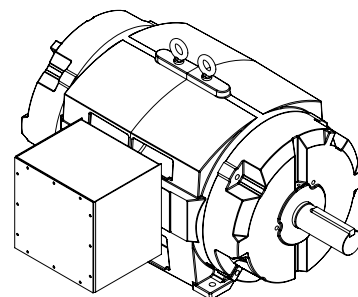
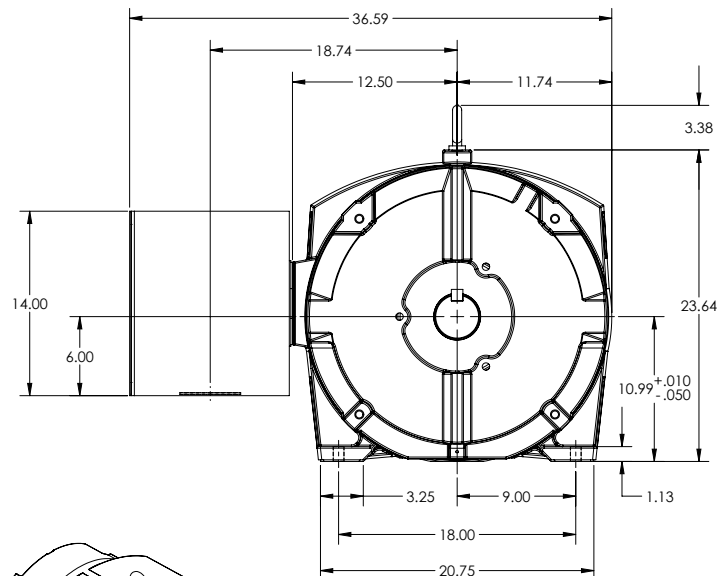
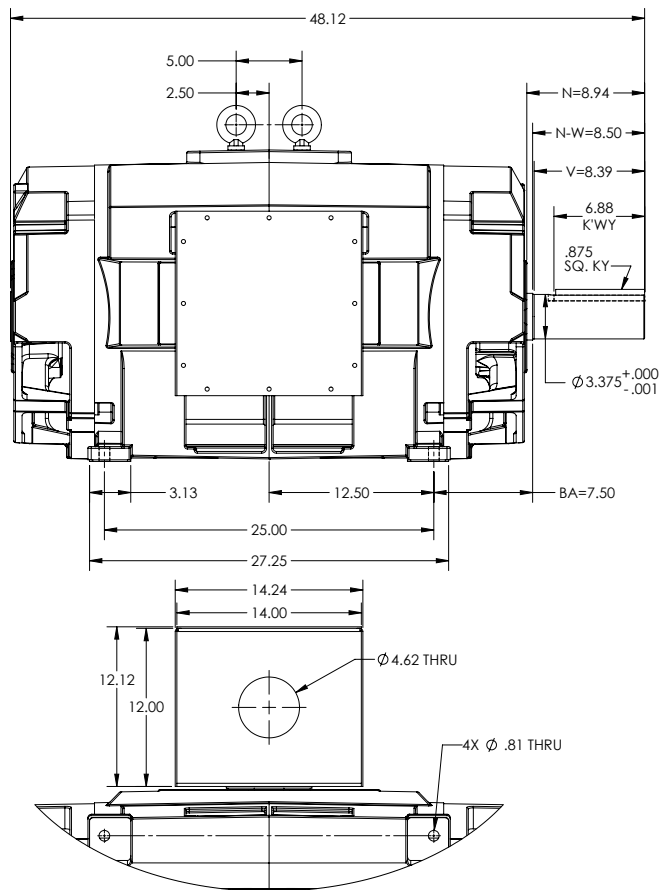
ENCLOSURE: PROTECTED; OPEN DRIP PROOF

FRAME E449T

COOLING: SELF-VENTILATED

MOUNTING: FOOT, F-1 SIDE

14X14X12 FABRICATED STEEL C/BOX



MOTOR WEIGHT: 2100 LBS
 *MAY VARY BY 15% DEPENDING ON RATING

DIMENSIONS ARE IN INCHES

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

REV. DESC: REMOVE FUNCTIONAL REPLACEMENT NOTE

REV: A VERSION: 01 REVISED: 11/08/13 11/19/2015 TDR: 000000953052
 MODEL NO. 604989-505
 BY: USBRCHA2

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449T PROT F-1 FT - 14X14X12 FAB STL C/BOX

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.

SHEET NUMBER
 1 OF 1

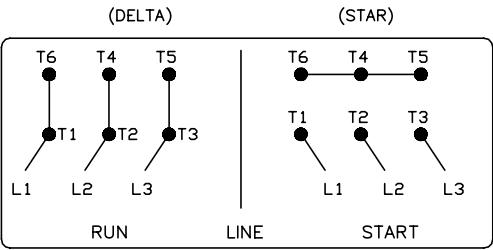
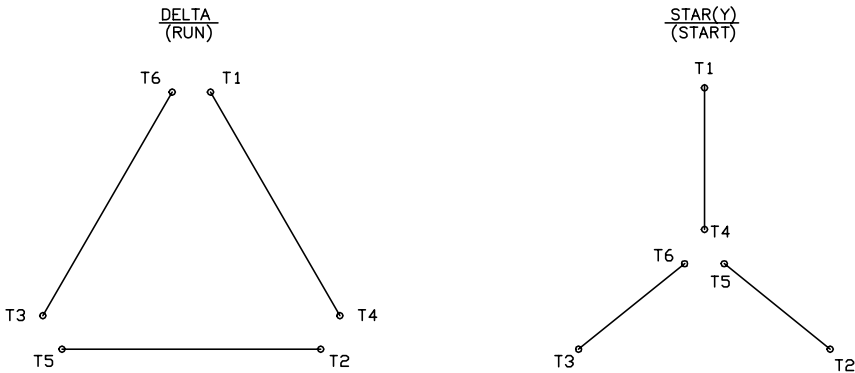
505-686109

505-686109

416820-008

A-C MOTOR
CONNECTION DIAGRAM

STANDARD 6 LEAD Y START – DELTA RUN



(N. P. 1767-DC)

REV. DESC: ADDED T4 TO Y CONNECT DIAGRAM		
REV. LTR: D	VERSION: 04	TDR: 000000847713
FILE: \RAG\00001\808	REVISED: 10: 41: 26 04/08/2014	BY: RAGJSS1
MTL: -		

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CONNECT DIAGRAM STD 6 LEAD Y START DELTA RUN
SH 1 of 1

416820-008

Marketing maintained PDF of MN408:

<http://www.baldor.com/support/Literature/Load.ashx/MN408?ManNumber=MN408>

Marketing maintained PDF of MN416:

<http://www.baldor.com/support/Literature/Load.ashx/MN416?ManNumber=MN416>