

BALDOR® • RELIANCE

Product Information Packet

EM25694T-4

300HP,1785RPM,3PH,60HZ,449T,DP,F1

Part Detail							
Revision:	-	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	A44112M	Elec. Spec:	A44WG4249	CD Diagram:	416820-008
Enclosure:	DP	Mfg Plant:		Mech. Spec:		Layout:	604989-380
Frame:	449T	Mounting:	F1	Poles:	04	Created Date:	04-29-2015
Base:		Rotation:	R	Insulation:	F	Eff. Date:	05-08-2015
Leads:	6#2/0					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP2496L

MOBIL POLYREX EM

Nameplate NP2349L

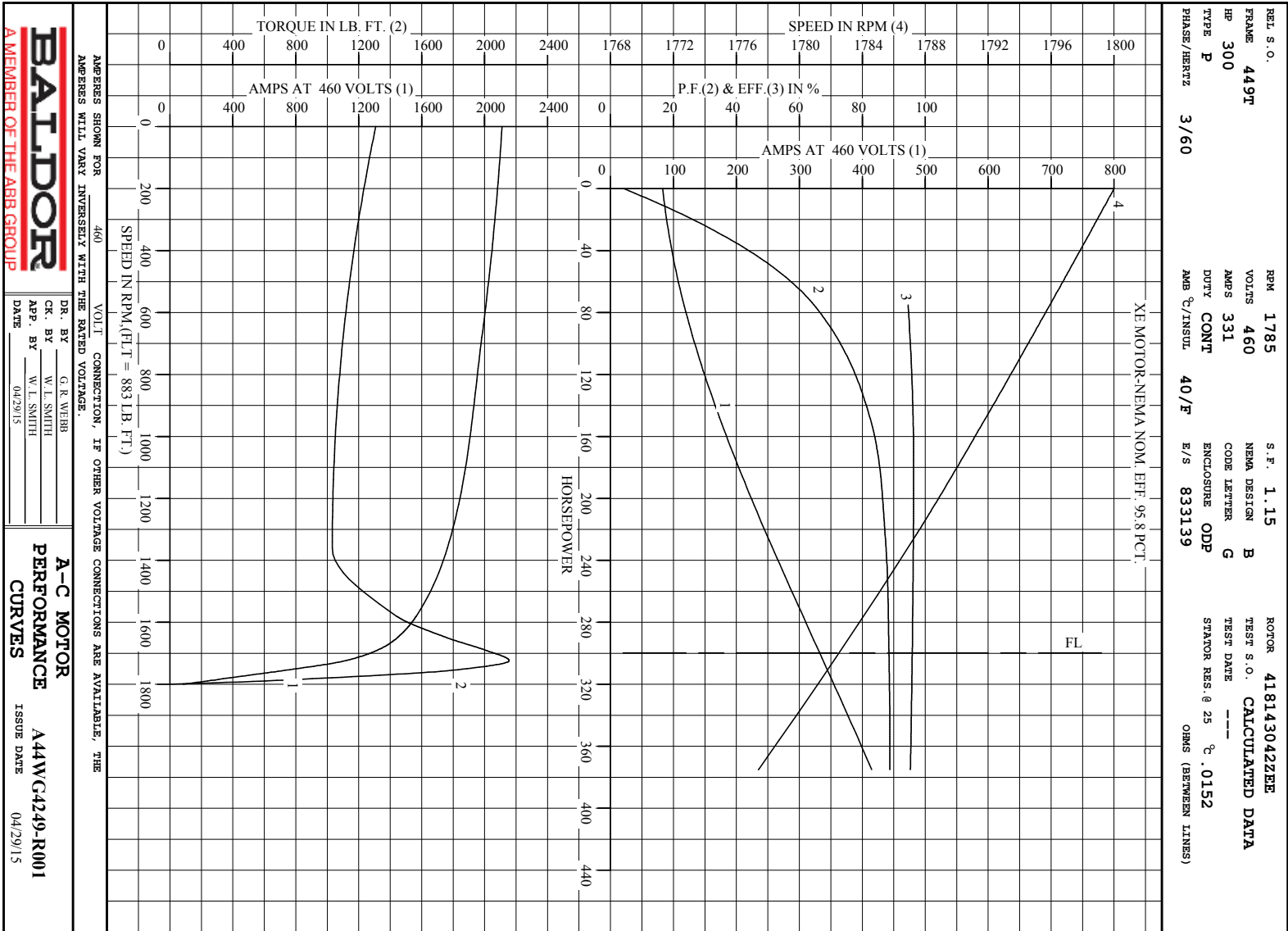
SPEC NO.	A44-7189-4249		CAT.NO.	EM25694T-4		FRAME	449T			
HP	300	VOLTS	460	PHASE	3	DESIGN	B	TYPE	P	
RPM	1785	AMPS	331	HZ	60	AMB	40	SF	1.15	
DRIVE END BEARING	90BC03J30X		DUTY	CONT		INSUL.CLASS	F			
OPP D.E. BEARING	90BC03J30X		ENCL	DP		CODE	G			
SER.NO.			POWER FACTOR	88		NEMA-NOM-EFFICIENCY	95.8			
						MAX CORR KVAR	59.9		GUARANTEED EFFICIENCY	95
						NEMA NOM/CSA QUOTED EFF				
						MOTOR WEIGHT		2151		

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	449T	300	P	3/60	1785	460
AMPS	DUTY	AMB [°] C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
331	CONT	40/F	1.15	B	G	ODP
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 [°] C OHMS (BETWEEN LINES)		
833139	4181430422EE	---	---	.0152		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	POWER FACTOR	% EFFICIENCY	
NO LOAD	0	83.6	1800	4.22	0	
1/4	75.1	115	1796	64.7	94.6	
2/4	150	176	1792	82.7	96.2	
3/4	225	251	1787	87.3	96.2	
4/4	300	331	1783	88.5	95.9	
5/4	375	415	1777	88.7	95.3	
SPEED TORQUE						
	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES		
LOCKED ROTOR	0	148	1308	2111		
PULL UP	1360	117	1032	1764		
BREAKDOWN	1724	244	2156	1114		
FULL LOAD	1783	100	883	331		
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. 95.8 PCT.						

BALDOR
A MEMBER OF THE ABB GROUP

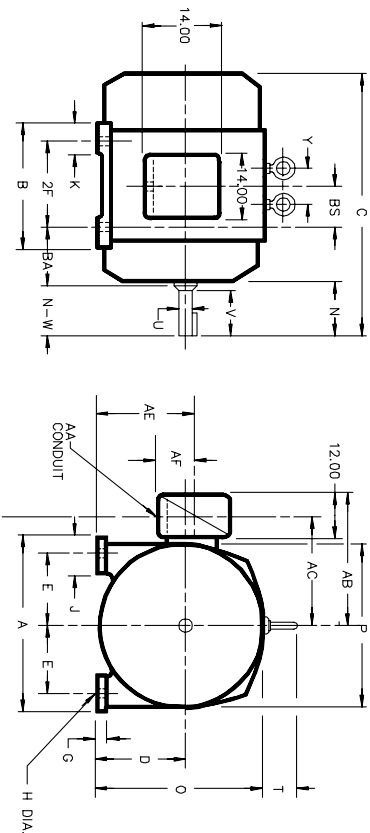
DR. BY G. R. WEBB
CK. BY W. L. SMITH
APP. BY W. L. SMITH
DATE 04/29/15

A-C MOTOR
PERFORMANCE DATA
A44WG4249-R001
ISSUE DATE 04/29/15



604989-380

DUTY MASTER ALTERNATING CURRENT MOTORS
ENCLOSURE: PROTECTED SQUIRREL-CAGE INDUCTION COOLING: SELF-VENTILATED
TOTALLY ENCLOSED NON-VENTILATED
MOUNTING: FOOT
FRAMES 445T THRU 449TS ABOVE NEMA RATINGS
WITH SPECIAL CONDUIT BOX



DIMENSIONS ARE IN INCHES

FRAME	A	D(2)	E	G	H	J	O	P	BA	K	T	Y (4)
445T	21.00	11.00	9.00	1.12	.81	3.25	23.62	24.25	7.50	3.25	3.25	---
447S	21.00	11.00	9.00	1.12	.81	3.25	23.62	24.25	7.50	3.25	3.25	---
447T	21.00	11.00	9.00	1.12	.81	3.25	23.62	24.25	7.50	3.25	4.25	5.00
447S	21.00	11.00	9.00	1.12	.81	3.25	24.25	24.25	7.50	3.25	4.25	5.00
449T	21.00	11.00	9.00	1.12	.81	3.25	24.25	24.25	7.50	3.25	4.25	5.00
449TS	21.00	11.00	9.00	1.12	.81	3.25	24.25	24.25	7.50	3.25	4.25	5.00

FRAME	C	BS	B	2F	N	N-W	U(3)	V	LGTH.	KEY	SQ.	WT.
445T	39.56	8.25	19.00	16.50	8.94	8.50	3.375	8.25	6.88	.875	1410	1410
447S	35.81	8.25	19.00	16.50	8.94	4.75	2.375	4.50	3.00	.625	1410	1410
447T	43.06	10.00	22.50	20.00	8.94	8.50	3.375	8.25	6.88	.875	1750	1750
447S	39.31	10.00	22.50	20.00	8.94	4.75	2.375	4.50	3.00	.625	1750	1750
449T	48.06	12.50	27.50	25.00	8.94	8.50	3.375	8.25	6.88	.875	2100	2100
449TS	44.31	12.50	27.50	25.00	8.94	4.75	2.375	4.50	3.00	.625	2100	2100

FRAME	AA	AB	AC	AF	PROT	AE
445T	4"	24.63	18.63	7.00	12.00	11.00
447S	4"	24.63	18.63	7.00	12.00	11.00
447T	4"	24.63	18.63	7.00	12.00	11.00
447S	4"	24.63	18.63	7.00	12.00	11.00
449T	4"	24.63	18.63	7.00	12.00	11.00
449TS	4"	24.63	18.63	7.00	12.00	11.00

- (1) SPECIAL DIMENSIONS ON THIS LINE
(2) "D" VARIES +.00, -.06
(3) "U" & "U" VARY +.00, -.001
(4) 445 FRAME HAS ONE EYEBOULT
CENTERLINE OF FRAME.
CONDUIT BOX LOCATED ON OPPOSITE SIDE WHEN F-2, W-1,
W-4, W-5, W-7, OR C-1 MOUNTING IS SPECIFIED. STANDARD
DOUBLE SHAFT SUPPLIED ONLY WHEN SPECIFIED. 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.

FRAME- _____ TYPE- _____ CERTIFIED FOR- _____
ORDER- _____ ITEM- _____ HP- _____ RPM- _____ PH- _____ HZ- _____ VOLTS- _____
SALES ORDER- _____ APPROVED BY- _____ DATE _____

082-698909

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

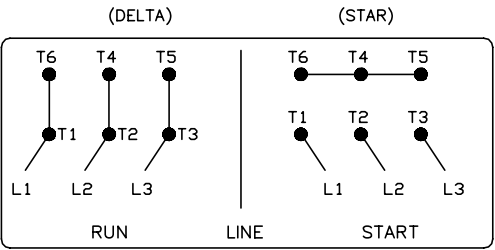
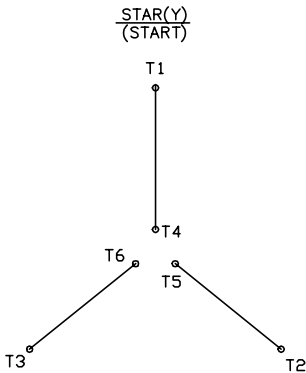
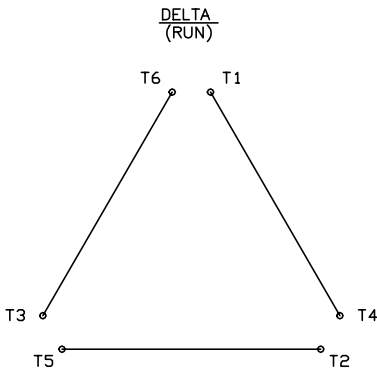
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FILE: \RAG\00012\166	REVISED: 01:05:26 06/27/2012	
MTL: -		

BALDOR
DIM SHEET PROT 445T-449TS ABV/NEMA - SPCL C/BOX - 14X14X12
SH 1 of 1

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: -



BALDOR

CONNECT DIAGRAM STD 6 LEAD Y START DELTA RUN

SH 1 of 1

416820-008