

BALDOR® • RELIANCE

Product Information Packet

EM44256T-4

250HP,1189RPM,3PH,60HZ,449T,TEFC,F1

Part Detail							
Revision:	A	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	A44160M	Elec. Spec:	A44WG4238	CD Diagram:	416820-008
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:		Layout:	617427-209
Frame:	449T	Mounting:	F1	Poles:	06	Created Date:	04-09-2015
Base:		Rotation:	R	Insulation:	F	Eff. Date:	06-03-2016
Leads:	6#1/0					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP2496L	
MOBIL POLYREX EM	

Nameplate NP2349L

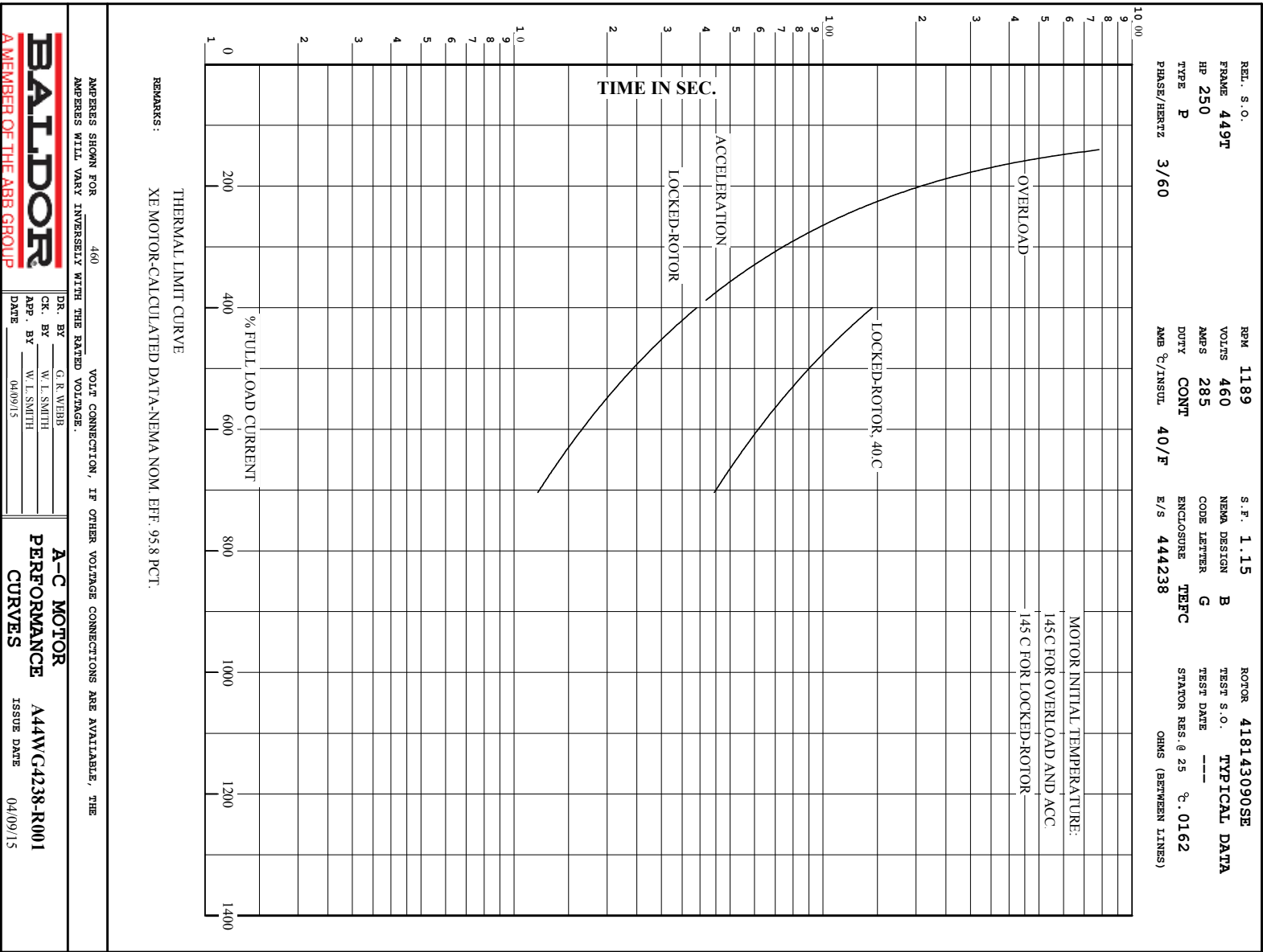
SPEC NO.	A44-7107-4238		CAT.NO.	EM44256T-4		FRAME	449T			
HP	250	VOLTS	460	PHASE	3	DESIGN	B	TYPE	P	
RPM	1189	AMPS	285	HZ	60	AMB	40	SF	1.15	
DRIVE END BEARING	90BC03J30X		DUTY	CONT		INSUL.CLASS	F			
OPP D.E. BEARING	90BC03J30X		ENCL	TEFC		CODE	G			
SER.NO.			POWER FACTOR	86		NEMA-NOM-EFFICIENCY	95.8			
						MAX CORR KVAR	68.2		GUARANTEED EFFICIENCY	95
						NEMA NOM/CSA QUOTED EFF				
						MOTOR WEIGHT	3125			

Parts List		
Part Number	Description	Quantity
SA296389	SA A44-7107-4238	1.000 EA
RA282429	RA A44-7107-4238	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
089490099A	G28 BRKT 089490098WCA KB	1.000 EA
415072001B	CLAMP	1.000 EA
083199126A	G440 MOLDED FAN COVER	1.000 EA
034180014DA	KEY 1/4X1/4X1-3/4 L	1.000 EA
078557001E	FAN 440 078557001F	1.000 EA
004824015A	GREASE POLYREX EM	1.000 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
410700004A	WSHR	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
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
089490099A	G28 BRKT 089490098WCA KB	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	FTW 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
418153001A	GASK 440	1.000 EA

Product Information Packet: EM44256T-4 - 250HP,1189RPM,3PH,60HZ,449T,TEFC,F1

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
034001016AB	WSHR .562ID 1.375OD .109	2.000 EA
033300014AC	HEX NUT, SHIPPING - 400	2.000 EA
604797003C	SHIPPING BAG	1.000 EA

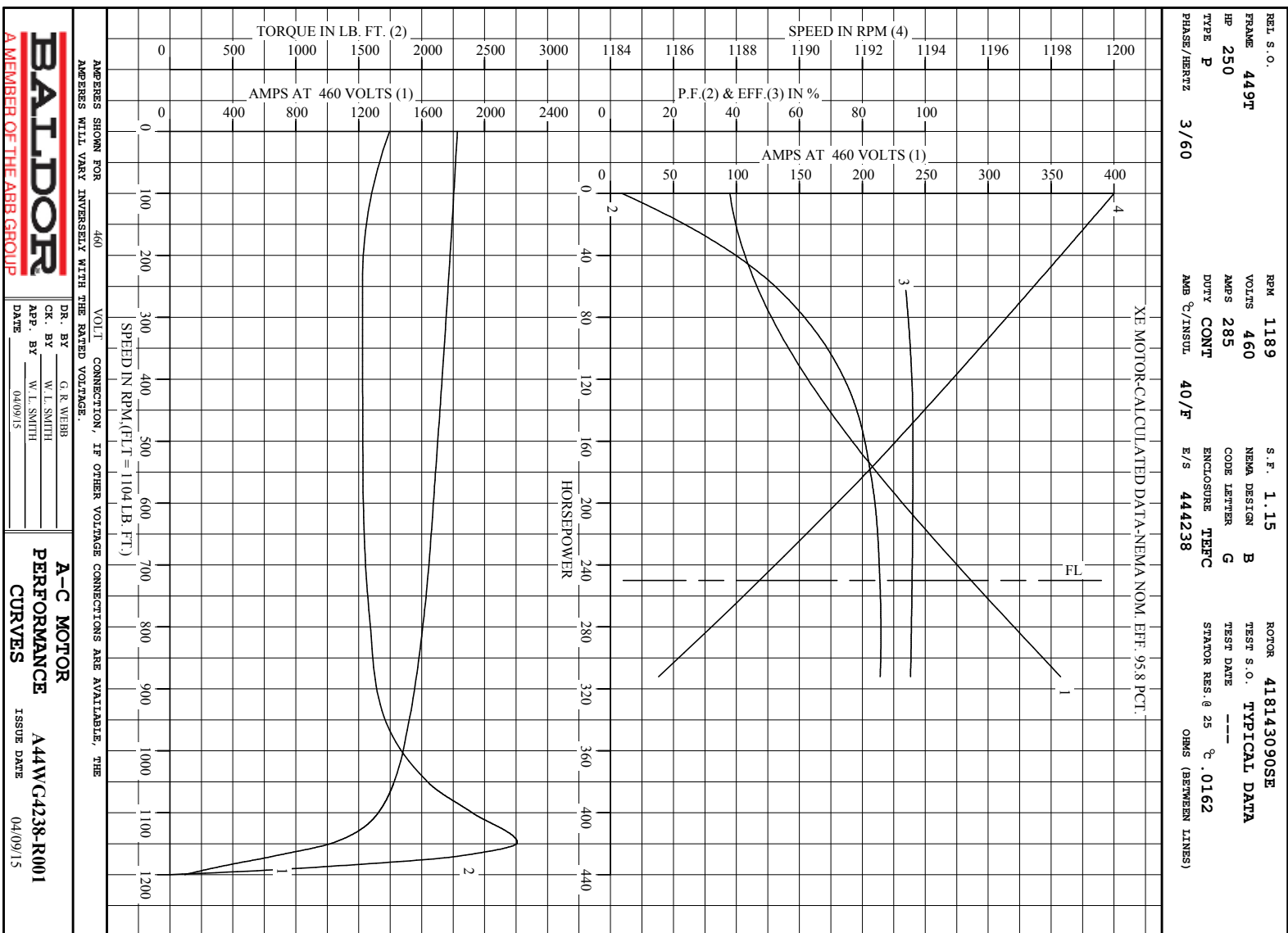


REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	449T	250	P	3/60	1189	460
AMPS	DUTY	AMB [°] C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
285	CONT	40/F	1.15	B	G	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 [°] C OHMS (BETWEEN LINES)		
444238	418143090SE	---	---	.0162		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	POWER FACTOR	% EFFICIENCY	
NO LOAD	0	95.2	1200	3.61	0	
1/4	62.6	116	1197	53.6	93.8	
2/4	125	162	1195	75.5	95.8	
3/4	187	220	1192	83.2	96.1	
4/4	250	285	1189	85.6	95.8	
5/4	312	358	1186	85.7	95.3	
SPEED TORQUE						
	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES		
LOCKED ROTOR	0	158	1744	1827		
PULL UP	240	139	1531	1771		
BREAKDOWN	1148	250	2759	1039		
FULL LOAD	1189	100	1104	285		

AMPERES SHOWN FOR 460. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE

REMARKS: TYPICAL DATA
XE MOTOR-CALCULATED DATA-NEMA NOM. EFF. 95.8 PCT.

BALDOR A MEMBER OF THE ABB GROUP	DR. BY	G. R. WEBB	A-C MOTOR PERFORMANCE DATA	A44WG4238-R001 ISSUE DATE 04/09/15
	CK. BY	W. L. SMITH		
	APP. BY	W. L. SMITH		
	DATE	04/09/15		



DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

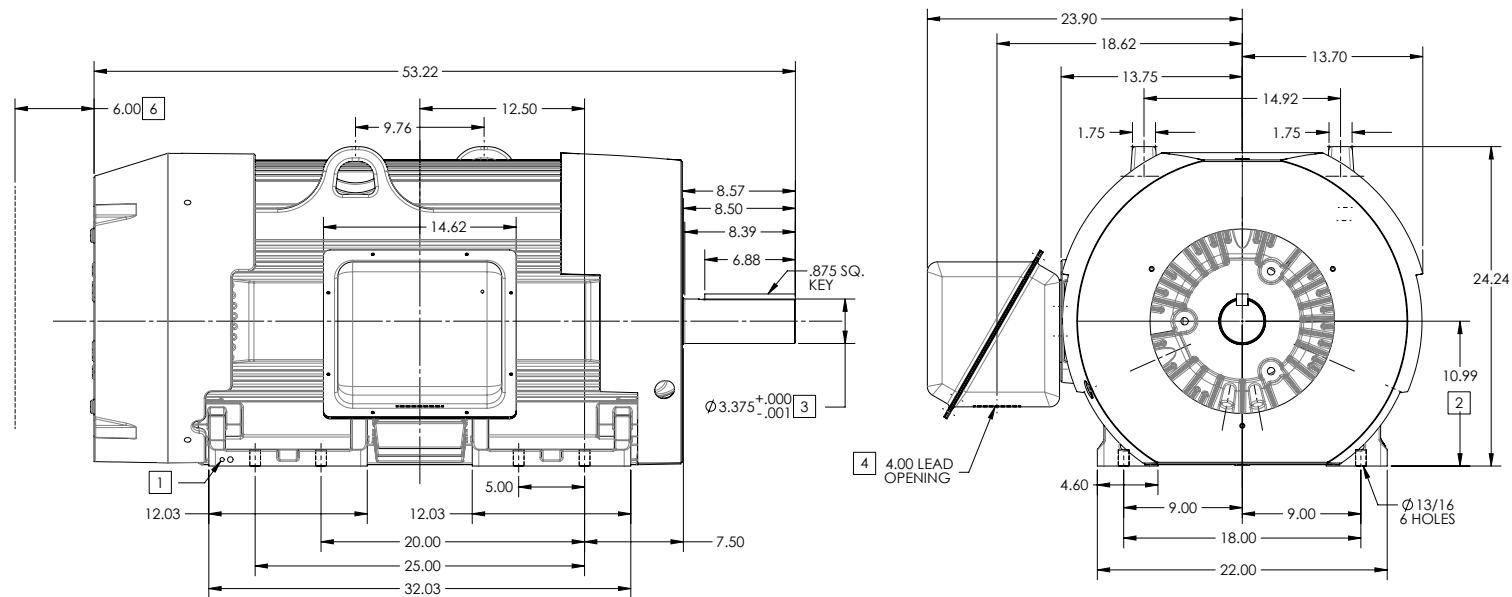
ENCLOSURE: TOTALLY ENCLOSED

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-727-209

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

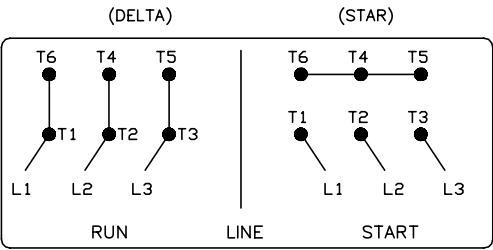
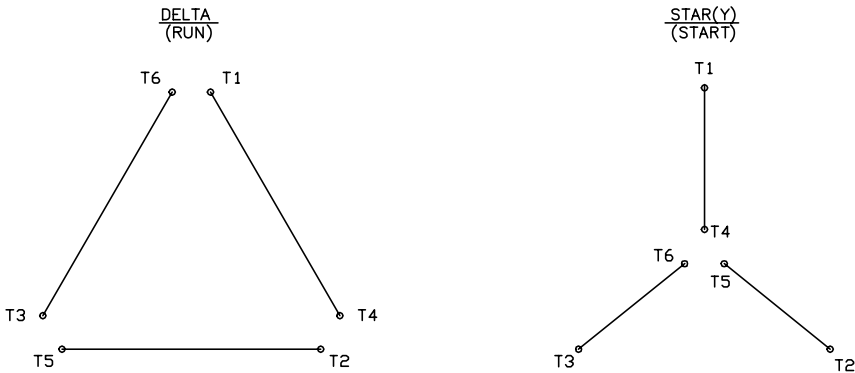
BALDOR

G449T/447T STD FOOTED SIDE/CENTER STEEL CIB, F1 BA-7.50

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>