



Customer information packet

EM251352T-4

350HP, 3560RPM, 3PH, 60HZ, 447TSS, A44084M, DP

Class - None

Division - Not Applicable

Specifications

Enclosure	DP
Frame	447TSSTS
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	350.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	CCSAUSEEV
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	381.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.4 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	381.0 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	NONE
KVA Code	F
Lifting Lugs	Standard Lifting Lugs
Motor Lead Quantity/Wire Size	12 @ 2 AWG
Motor Standards	NEMA
Motor Type	A44084M

Part detail

Revision	J
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG2772
Layout	604989-483
Eff. date	09-25-2025
CD Diagram	416820-008
Poles	02
Leads	6#2 (02 per group)
Proprietary	False
Created date	02-12-2015

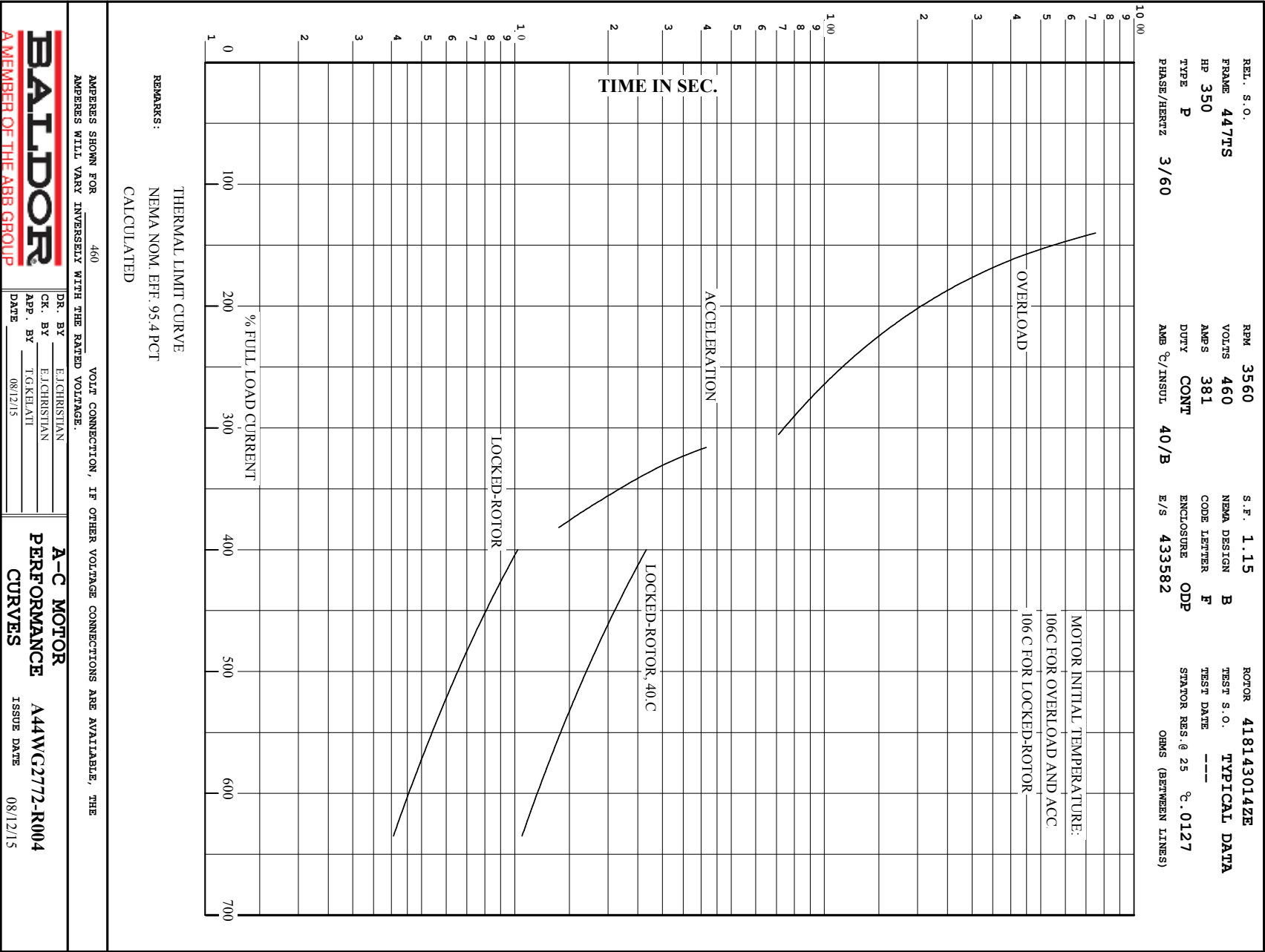
Mounting Arrangement	F1
Number of Poles	2
Overall Length	39.37 IN
Power Factor	90
Product Family	General Industrial
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft Diameter	2.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3560 rpm
Speed Code	Single Speed
Starting Method	Wye Start - Delta Run
Thermal Device - Bearing	None

Nameplate

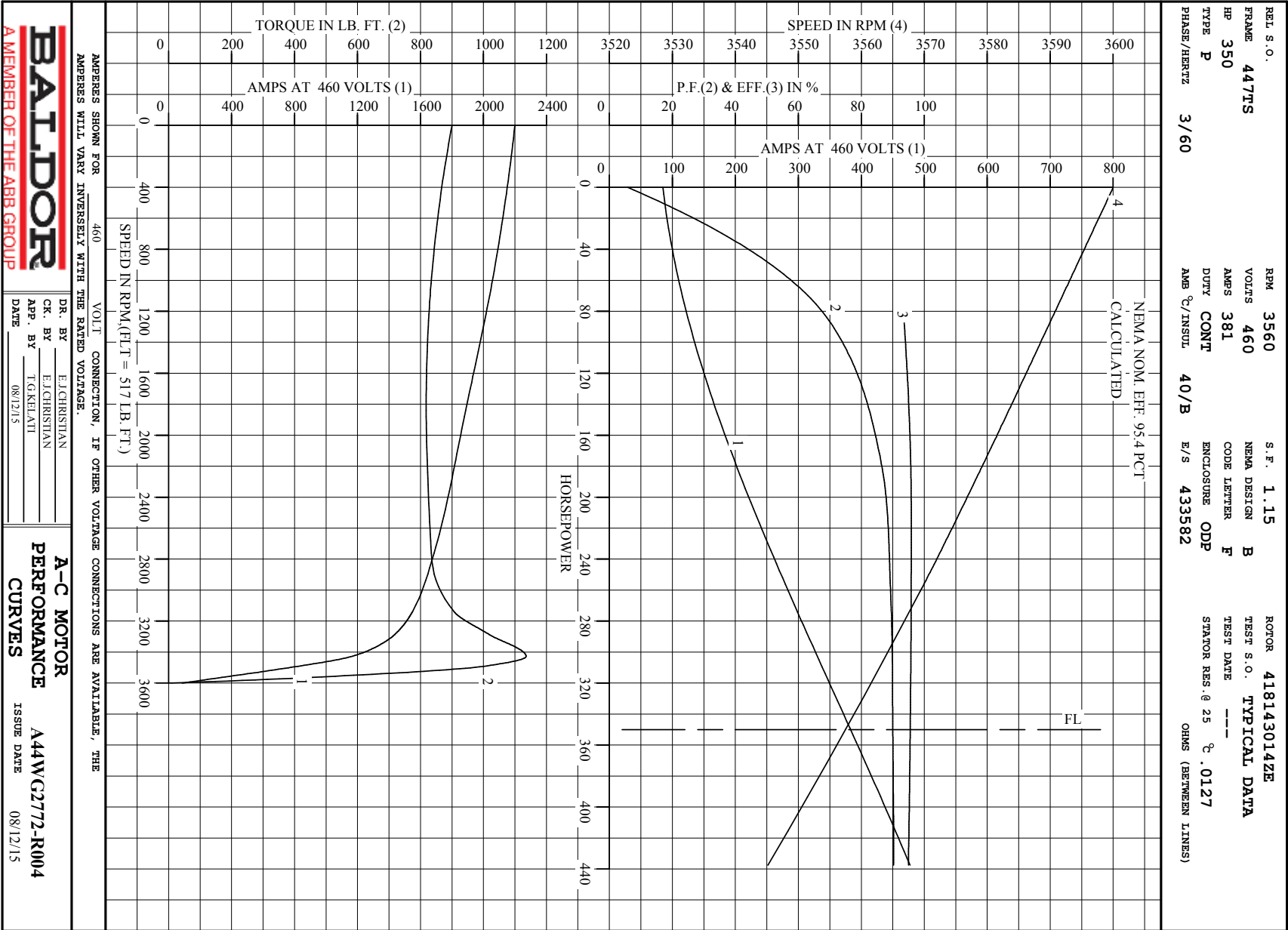
NP2496L	
MOBIL POLYREX EM	

NP2349L

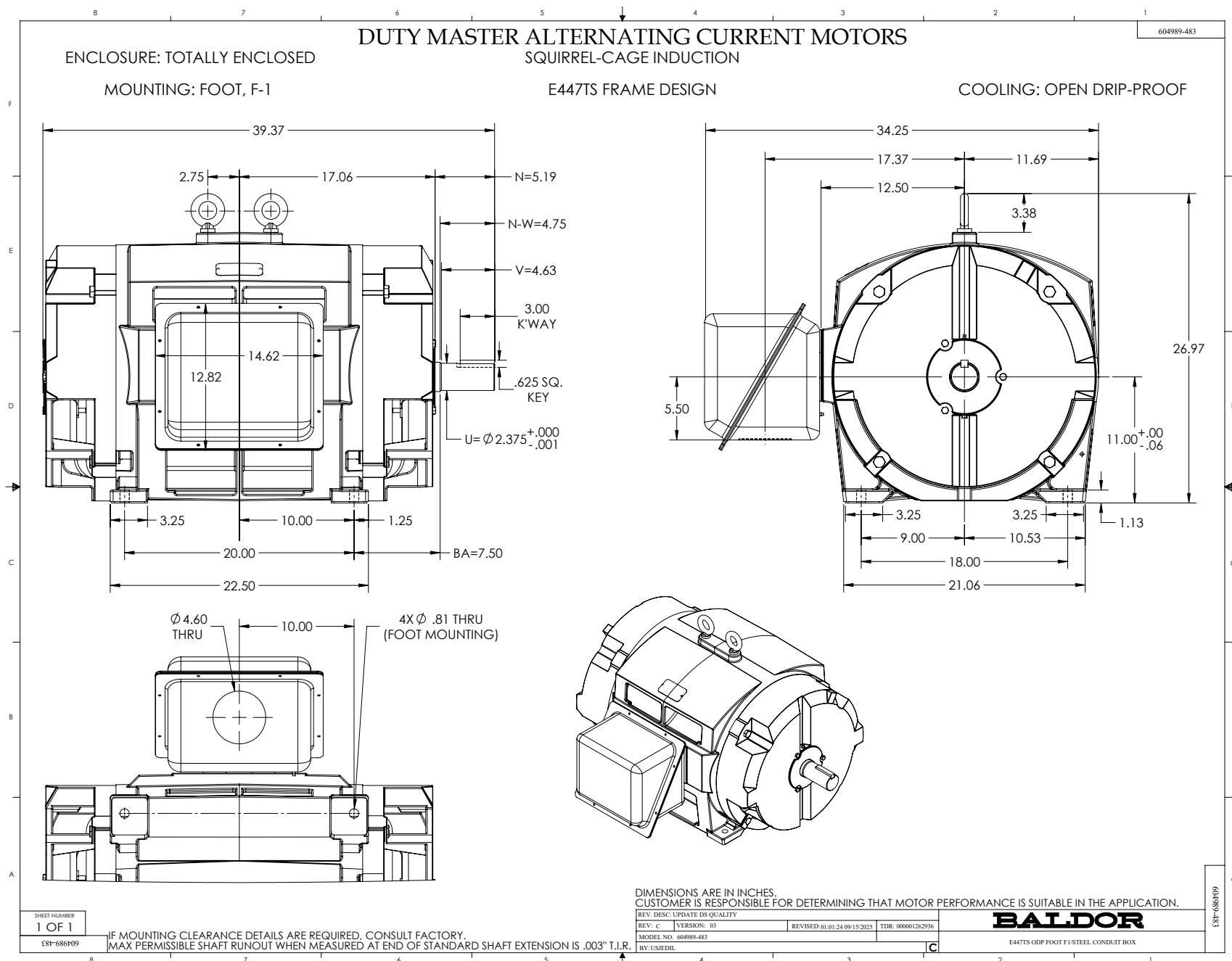
SPEC NO.	A44-6795-2772			CAT.NO.	EM251352T-4				FRAME	447TSS/T	
HP	350	VOLTS	460		PHASE	3	DESIGN	B	TYPE	P	
RPM	3560	AMPS	381		HZ	60	AMB	40	SF	1.15	
DRIVE END BEARING	65BC03J30X		DUTY	CONT	INSUL.CLASS			F			
OPP D.E. BEARING	65BC03J30X		ENCL	DP	CODE	F					
SER.NO.			POWER FACTOR			90	NEMA-NOM-EFFICIENCY			95.4	
						MAX CORR KVAR		45	GUARANTEED EFFICIENCY		94.5
						NEMA NOM/CSA QUOTED EFF					
						MOTOR WEIGHT					



REL. S.O.	FRAME	HP	TYPE	PHASE/HERTZ	RPM	VOLTS
	447TS	350	P	3/60	3560	460
AMPS	DUTY	AMB °C/INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
381	CONT	40/B	1.15	B	F	ODP
E/S	ROTOR		TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)	
433582	418143014ZE		---	---	.0127	
PERFORMANCE						
LOAD	HP	AMPERES	RPM	POWER % FACTOR	% EFFICIENCY	
NO LOAD	0	85.7	3600	5.80	0	
1/4	87.6	125	3590	70.3	93.6	
2/4	175	199	3580	86.1	95.6	
3/4	262	287	3569	89.3	95.8	
4/4	350	381	3558	90.0	95.5	
5/4	438	478	3545	90.3	95.0	
SPEED TORQUE						
	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES		
LOCKED ROTOR	0	174	900	2200		
PULL UP	1800	158	818	1895		
BREAKDOWN	3428	220	1136	1164		
FULL LOAD	3558	100	517	381		
AMPERES SHOWN FOR 460. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE						
REMARKS: TYPICAL DATA NEMA NOM. EFF. 95.4 PCT CALCULATED						
BALDOR			DR. BY E.J. CHRISTIAN CR. BY E.J. CHRISTIAN APP. BY T.G. KEIANT DATE 08/12/15		A-C MOTOR PERFORMANCE DATA A44WG2772-R004 ISSUE DATE 08/12/15	
A MEMBER OF THE ABB GROUP						



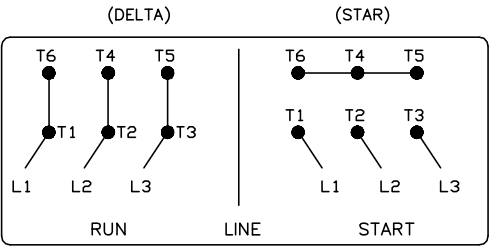
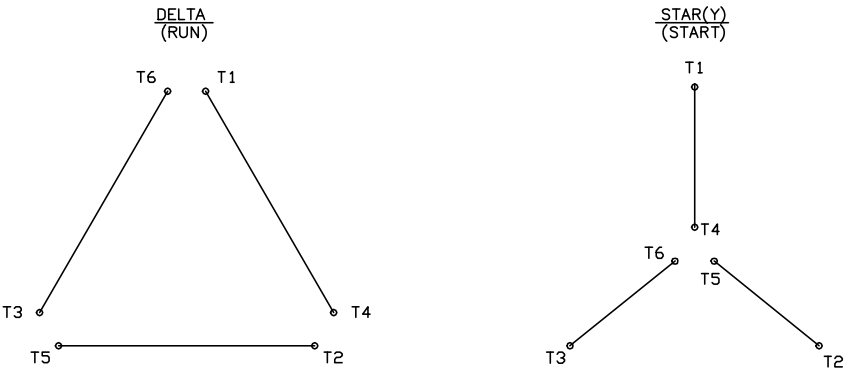
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416820-008

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

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