

ABB BALDOR RELIANCE III

Customer information packet

EM251252T-4

250HP, 3565RPM, 3PH, 60HZ, 445TS, A44068M, DP

Class - None

Division - Not Applicable

Specifications

Enclosure	DP
Frame	445TS
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	250.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	CURUSEEV
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	274.000 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	274.0 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	NONE
KVA Code	F
Lifting Lugs	Standard Lifting Lugs
Motor Lead Quantity/Wire Size	6 @ 1/0 AWG
Motor Standards	NEMA
Motor Type	A44068M

Part Detail

Revision	D
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG1392
Layout	617428-044
Eff. date	09-25-2025
CD Diagram	416820-008
Poles	02
Leads	6#1/0
Proprietary	False
Created date	02-09-2015

Mounting Arrangement	F1
Number of Poles	2
Overall Length	35.88 IN
Power Factor	89
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	3565 rpm
Speed Code	Single Speed
Starting Method	Wye Start - Delta Run
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP2496L	
MOBIL POLYREX EM	

NP2349L

SPEC NO.	A44-6819-1392			CAT.NO.	EM251252T-4				FRAME	445TS	
HP	250	VOLTS	460	PHASE	3	DESIGN	B	TYPE	P		
RPM	3565	AMPS	274	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		89	NEMA-NOM-EFFICIENCY			95.4	
						MAX CORR KVAR	30	GUARANTEED EFFICIENCY		94.5	
						NEMA NOM/CSA QUOTED EFF					
										MOTOR WEIGHT	

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pseccs-motoren

FRAME 445TSC

RPM 3565

VOLTS 460

NEMA DESIGN B

HP 250

AMPS 274

TEST S.O. TYPICAL DATA

CODE LETTER F

TYPE P

DUTY CONT

TEST DATE ---

ENCLOSURE PROT

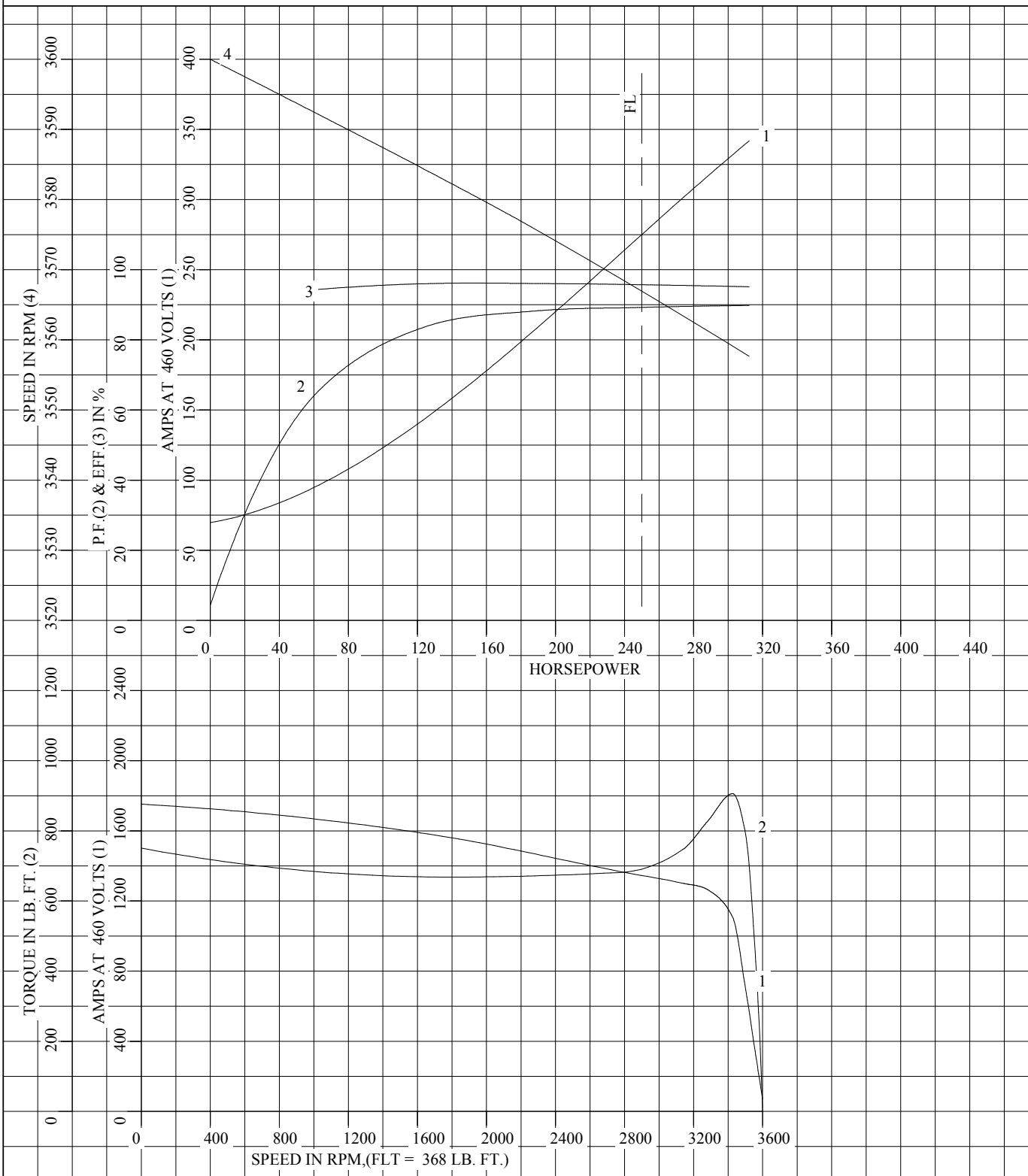
PHASE/HERTZ 3/60

STATOR RES. @ 25 °C .0218

AMB °C/INSUL 40/F

E/S 498702

OHMS (BETWEEN LINES)



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

BALDOR

DR. BY J.J.HARRISON
CK. BY W.L.SMITH
APP. BY W.L.SMITH
DATE 09/24/10

**A-C MOTOR
PERFORMANCE
CURVES** A44WG1392-R001
ISSUE DATE 12/18/10

REL. S.O.

RPM 3565

S.F. 1.15

ROTOR 418143-14-ME

FRAME 445TSC

VOLTS 460

NEMA DESIGN B

TEST S.O. TYPICAL DATA

HP 250

AMPS 274

CODE LETTER F

TEST DATE ---

TYPE P

DUTY CONT

ENCLOSURE PROT

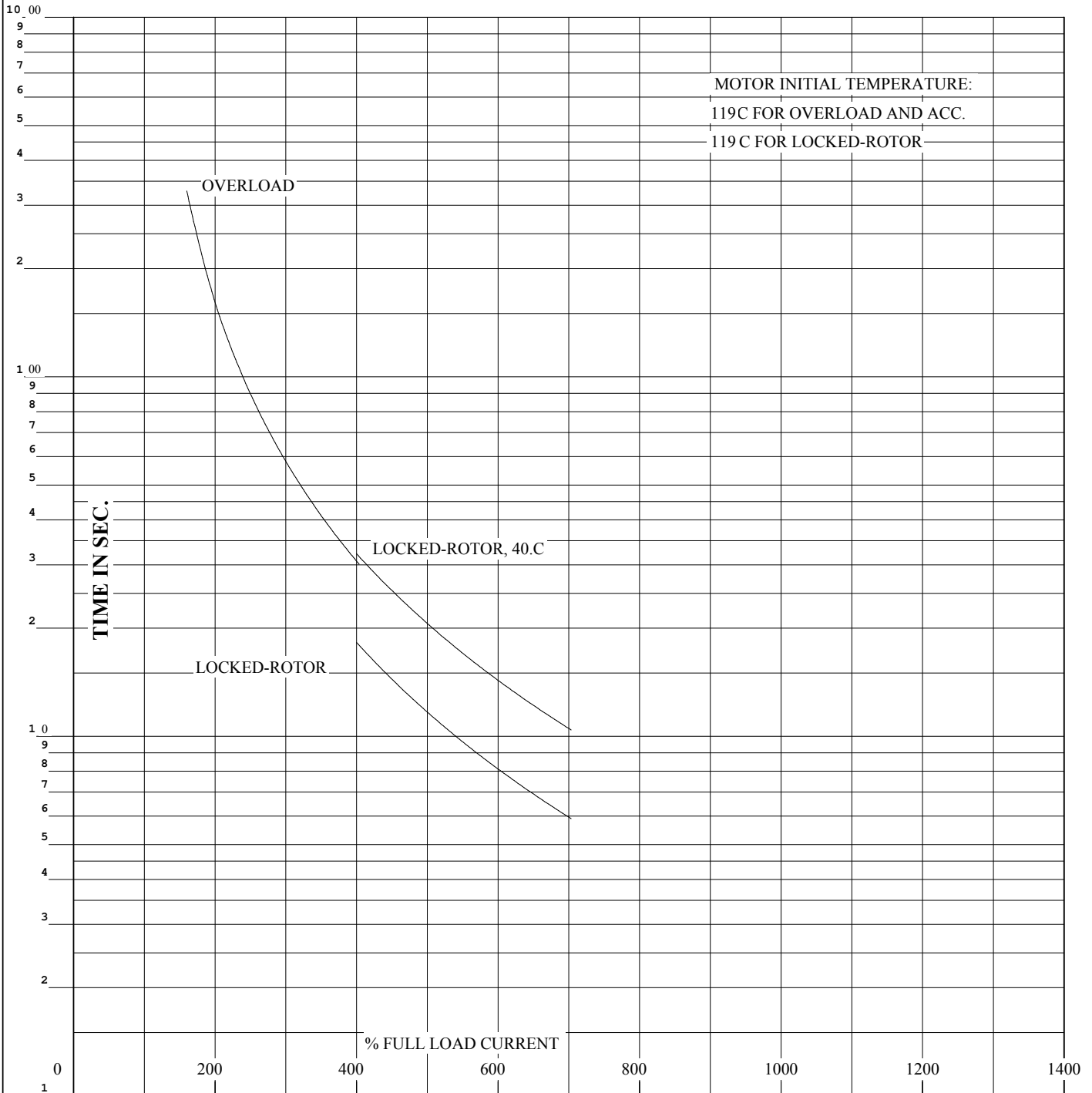
STATOR RES. @ 25 °C .0218

PHASE/HERTZ 3/60

AMB °C/INSUL 40/F

E/S 498702

OHMS (BETWEEN LINES)



THERMAL LIMIT CURVE

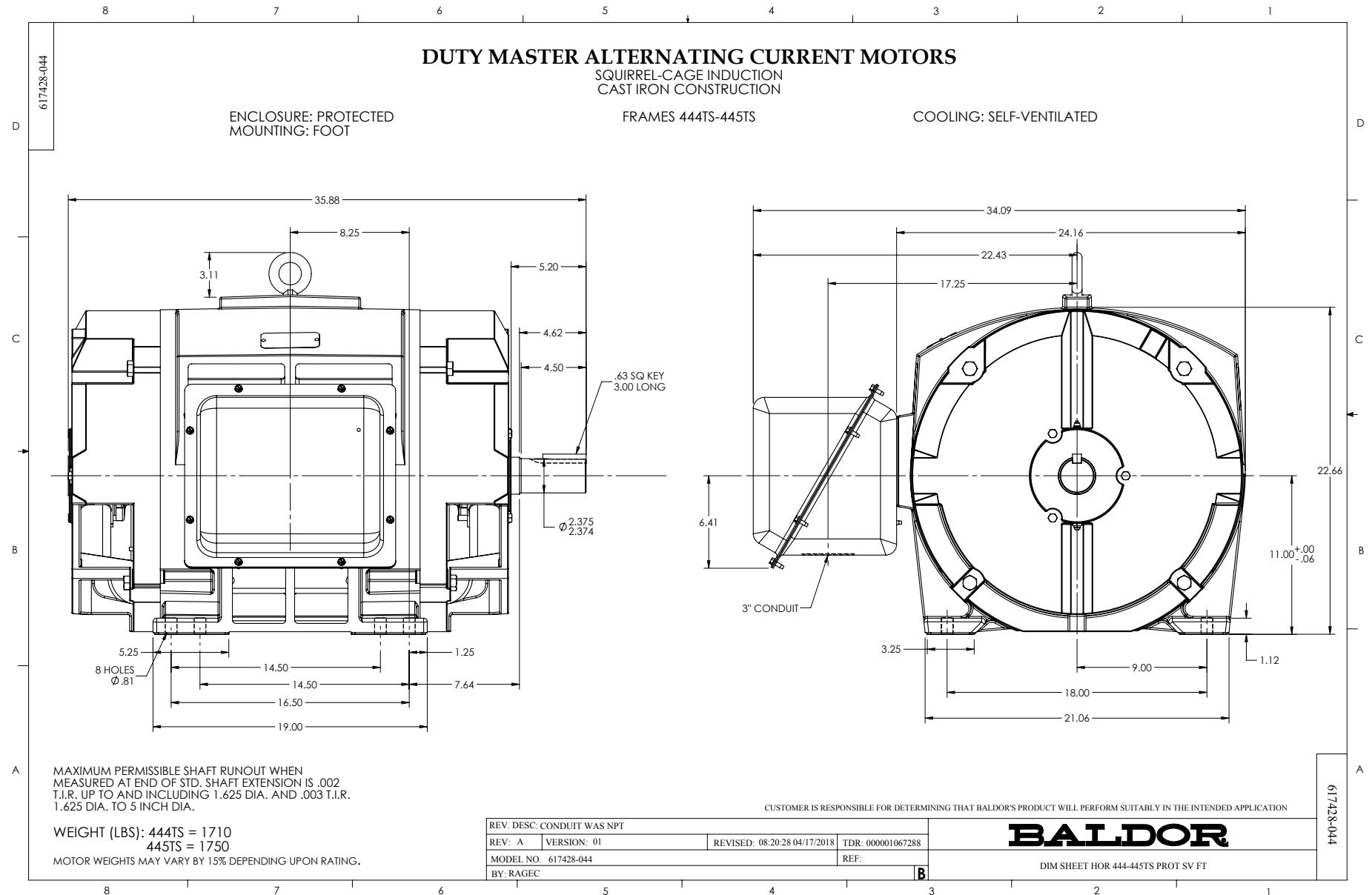
REMARKS:

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



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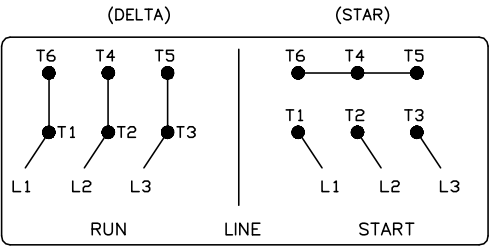
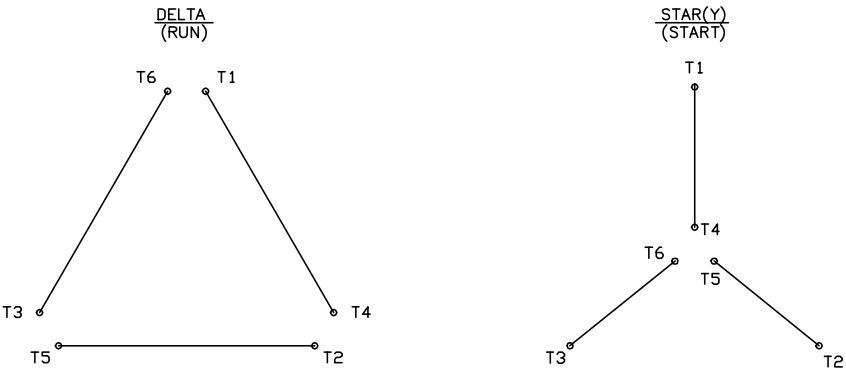
**A-C MOTOR
PERFORMANCE CURVES** A44WG1392-R001
ISSUE DATE 12/18/10



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