



Customer information packet

EM2548T-4CI

60HP, 1185RPM, 3PH, 60HZ, 404T, M400MAG, OPEN,

Class - None

Division - Not Applicable

Specifications

Enclosure	DP
Frame	404T
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	60.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	CCSA US CCSAUSEEV CSA EEV
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	70.400 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.0 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	70.4 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	G
Lifting Lugs	No Lifting Lugs
Motor Lead Quantity/Wire Size	6 @ 6 AWG
Motor Standards	NEMA

Part detail

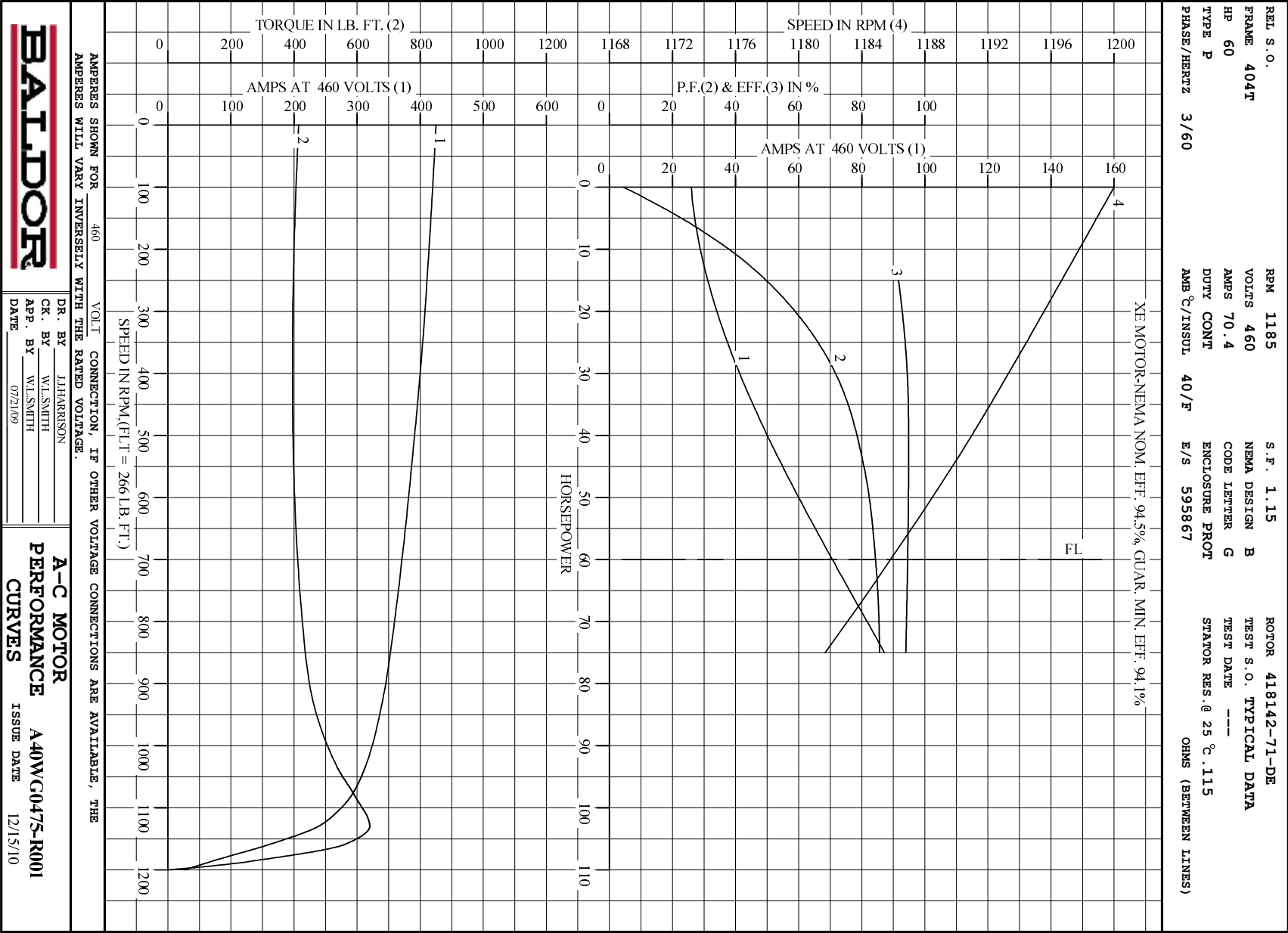
Revision	M
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A40WG0475
Layout	617428-118
Eff. date	04-05-2024
CD Diagram	416820-008
Poles	06
Leads	6#6
Proprietary	False
Created date	10-19-2010

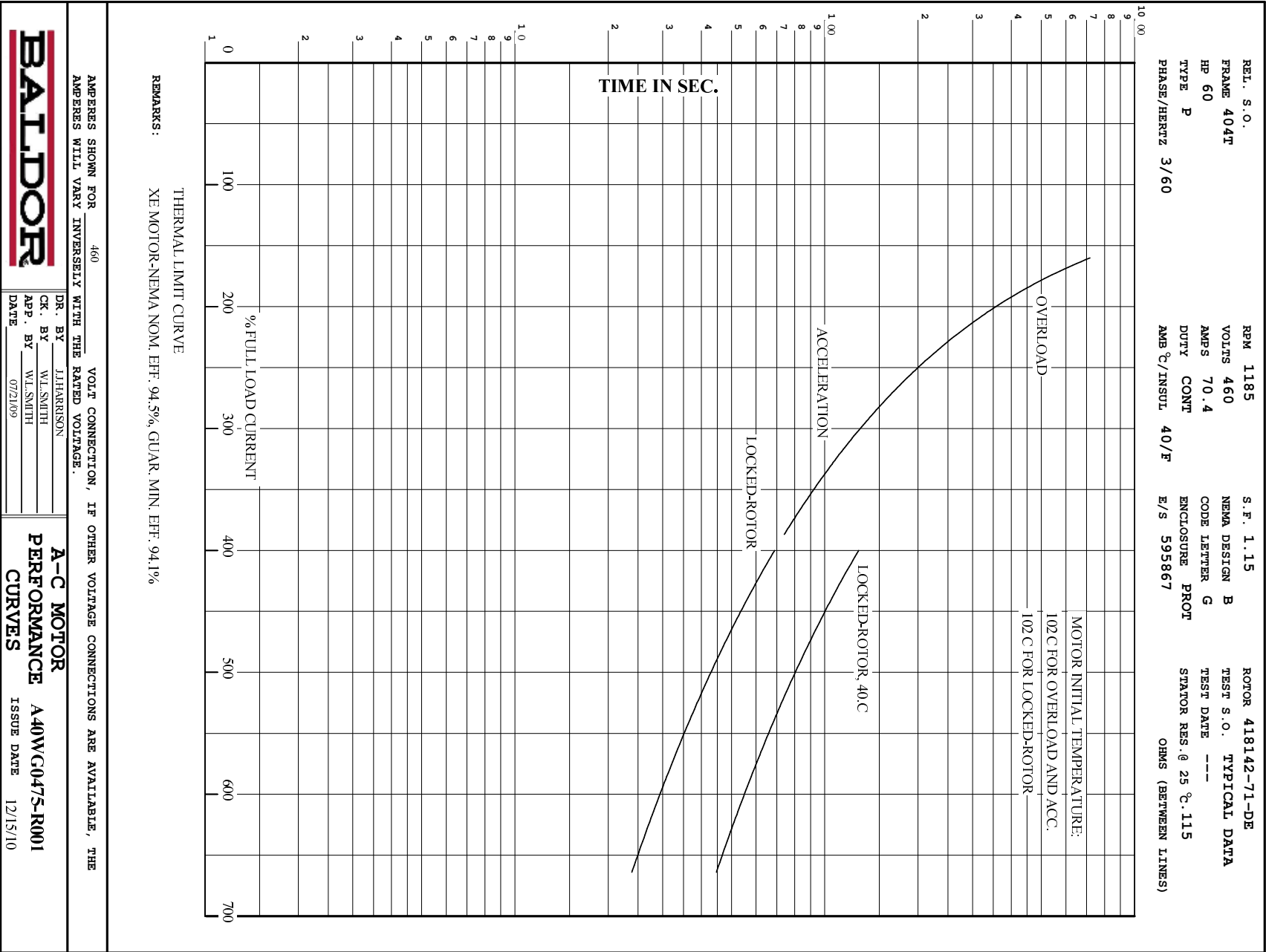
Motor Type	A40052M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	33.95 IN
Power Factor	84
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Service Factor	1.15
Shaft Diameter	2.875 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1185 rpm
Speed Code	Single Speed
Starting Method	Wye Start - Delta Run
Thermal Device - Bearing	None
Thermal Device - Winding	None

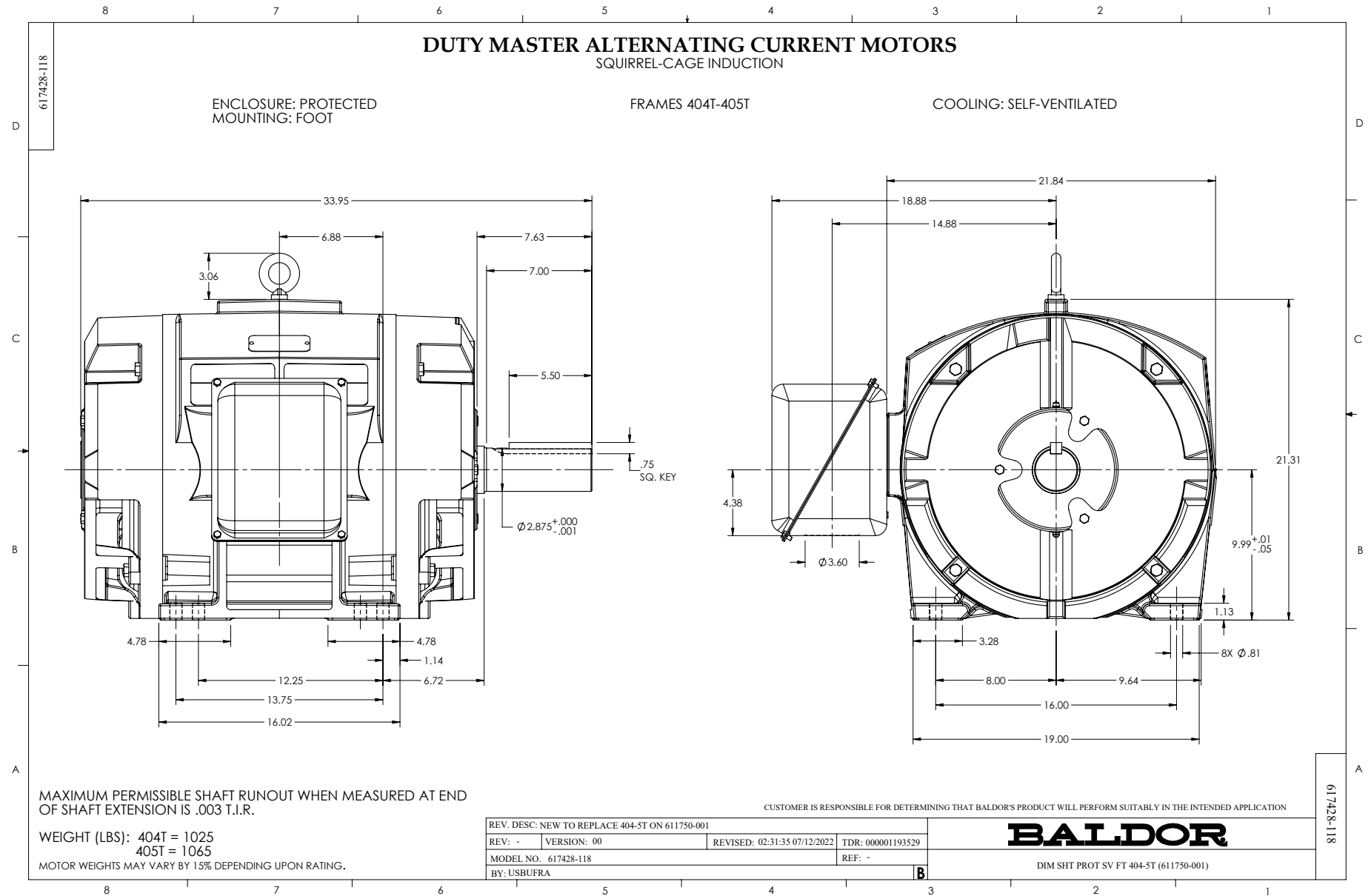
Nameplate

NP2381L											
SPEC NO.	P40G4411			CAT.NO.	EM2548T-4CI				FRAME	404T	
HP	60	PHASE	3	DESIGN	B	TYPE	P				
RPM	1185	HZ	60	AMB		40	SF	1.15			
VOLTS	460			DUTY	CONT		INSUL.CLASS		F		
AMPS	70.4				ENCL	DP	CODE	G			
DRIVE END BEARING	80BC03J30X		NEMA-NOM-EFFICIENCY				95				
OPP D.E. BEARING	80BC03J30X										
SER.NO.											
									MOTOR WEIGHT		

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	404T	60	P	3/60	1185	460
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
70.4	CONT	40/F	1.15	B	G	PROT
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
595867	418142-71-DE	---	---	.115		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY	
NO LOAD	0	26.0	1200	4.46	0	
1/4	15.0	30.9	1197	49.7	91.6	
2/4	30.0	41.5	1193	71.7	94.4	
3/4	45.0	55.0	1190	80.7	94.8	
4/4	60.0	70.4	1186	84.4	94.6	
5/4	75.0	87.3	1182	85.6	94.0	
SPEED TORQUE						
	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES		
LOCKED ROTOR	0	156	415	425		
PULL UP	400	149	395	400		
BREAKDOWN	1130	241	640	239		
FULL LOAD	1186	100	266	70.4		
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-NEMA NOM. EFF. 94.5%, GUAR. MIN. EFF. 94.1%						
			DR. BY J.J. HARRISON CK. BY W.L. SMITH APP. BY W.L. SMITH DATE 07/21/09		A-C MOTOR PERFORMANCE DATA A40WG0475-R001 ISSUE DATE 12/15/10	



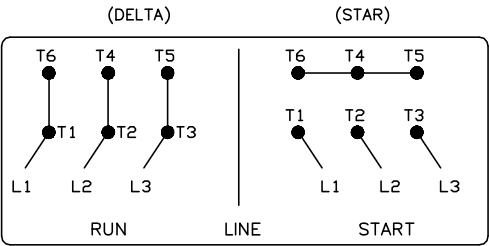
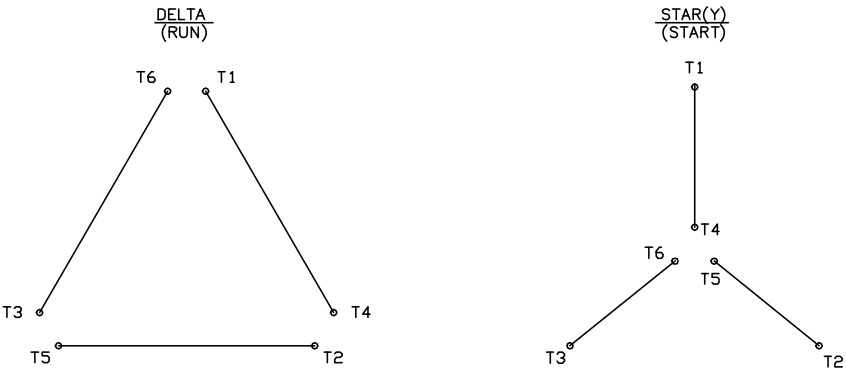




416820-008

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

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