



Customer information packet

EM2554T-4CI

125HP, 3565RPM, 3PH, 60HZ, 404TS, ODP, FOOT,
Class - None
Division - Not Applicable

Specifications

Enclosure	DP
Frame	404TS
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	125.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 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	143.000 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	143.0 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	F
Lifting Lugs	No Lifting Lugs
Motor Lead Quantity/Wire Size	3 @ 2 AWG
Motor Standards	NEMA

Part detail

Revision	K
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A40WG0224
Layout	617428-120
Eff. date	09-04-2024
CD Diagram	416820-036
Poles	02
Leads	3#2
Proprietary	False
Created date	10-19-2010

Motor Type	A40048M
Mounting Arrangement	F1
Number of Poles	2
Power Factor	86
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Service Factor	1.15
Shaft Diameter	2.125 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3565 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

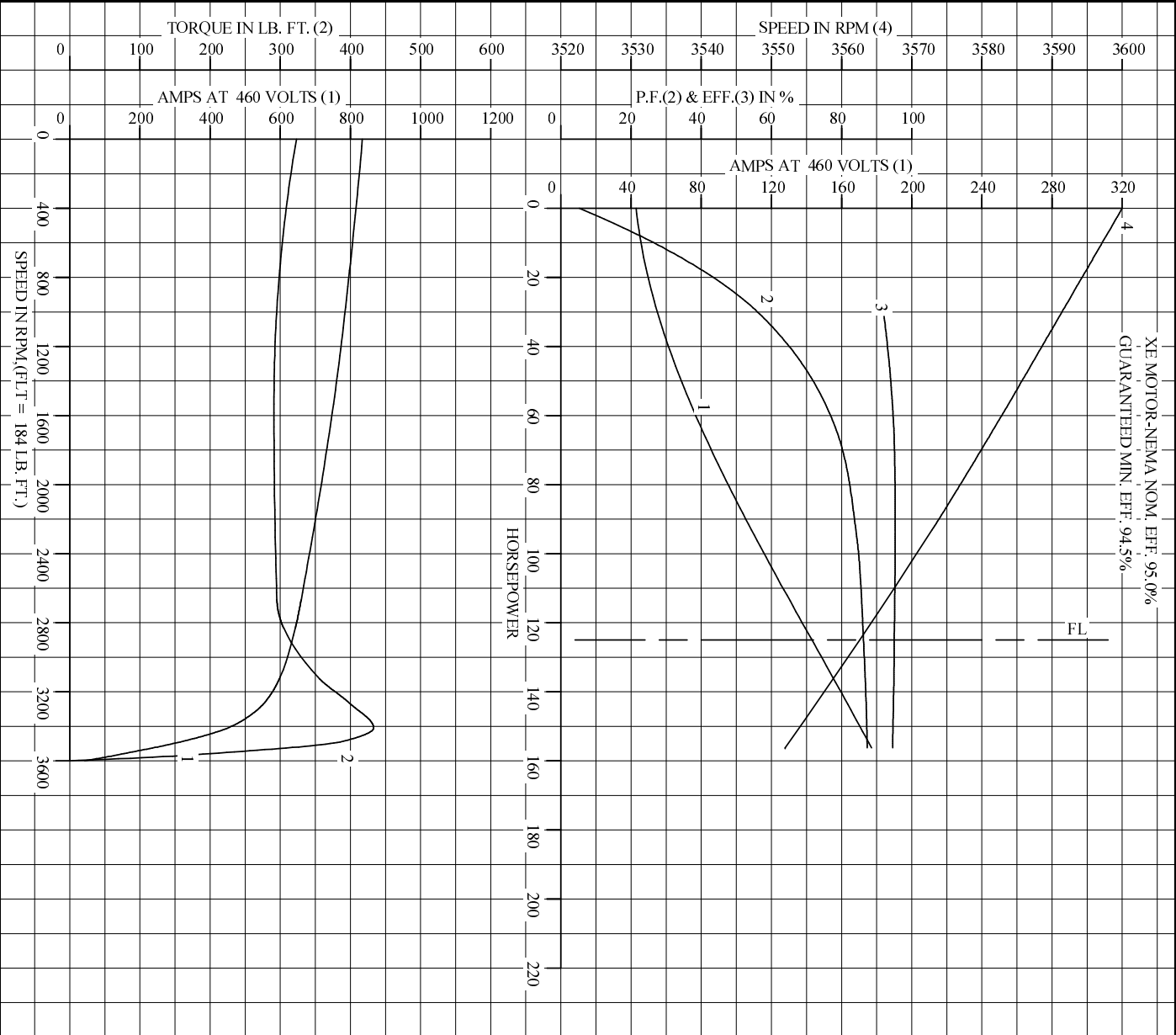
Nameplate

NP2349L

SPEC NO.	P40G295		CAT.NO.		EM2554T-4CI				FRAME		404TS	
HP	125	VOLTS	460		PHASE	3	DESIGN	B	TYPE	P		
RPM	3565	AMPS	143		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		86	NEMA-NOM-EFFICIENCY				95		
						MAX CORR KVAR		25.0	GUARANTEED EFFICIENCY		94.5	
						NEMA NOM/CSA QUOTED EFF						
						MOTOR WEIGHT						

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	404TS	125	P	3/60	3565	460
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
143	CONT	40/B	1.15	B	F	PROT
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
595946	418142005RE	---	---	.0477		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY	
NO LOAD	0	43.0	3600	5.28	0	
1/4	31.3	55.4	3591	57.4	92.1	
2/4	62.5	79.2	3582	77.9	94.8	
3/4	93.7	109	3573	84.2	95.2	
4/4	125	143	3563	86.2	95.0	
5/4	156	177	3552	87.3	94.5	
SPEED TORQUE						
	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES		
LOCKED ROTOR	0	175	323	834		
PULL UP	1545	158	291	751		
BREAKDOWN	3409	235	433	451		
FULL LOAD	3563	100	184	143		
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. 95.0% GUARANTEED MIN. EFF. 94.5%						
			DR. BY W. L. SMITH CK. BY G. R. WEBB APP. BY D. M. BYRD DATE 03/05/02		A-C MOTOR PERFORMANCE DATA A40WG0224-R002 ISSUE DATE 12/15/10	

REL S.O.		RPM 3565	S.F. 1.15	ROTOR 418142005RE
FRAME 404TS		VOLTS 460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
HP 125		AMPS 143	CODE LETTER F	TEST DATE ---
TYPE P		DUTY CONT	ENCLOSURE PROT	STATOR RES. @ 25 °C .0477
PHASE/HERTZ 3/60		AMB °C/INSUL 40/B	E/S 595946	OHMS (BETWEEN LINES)

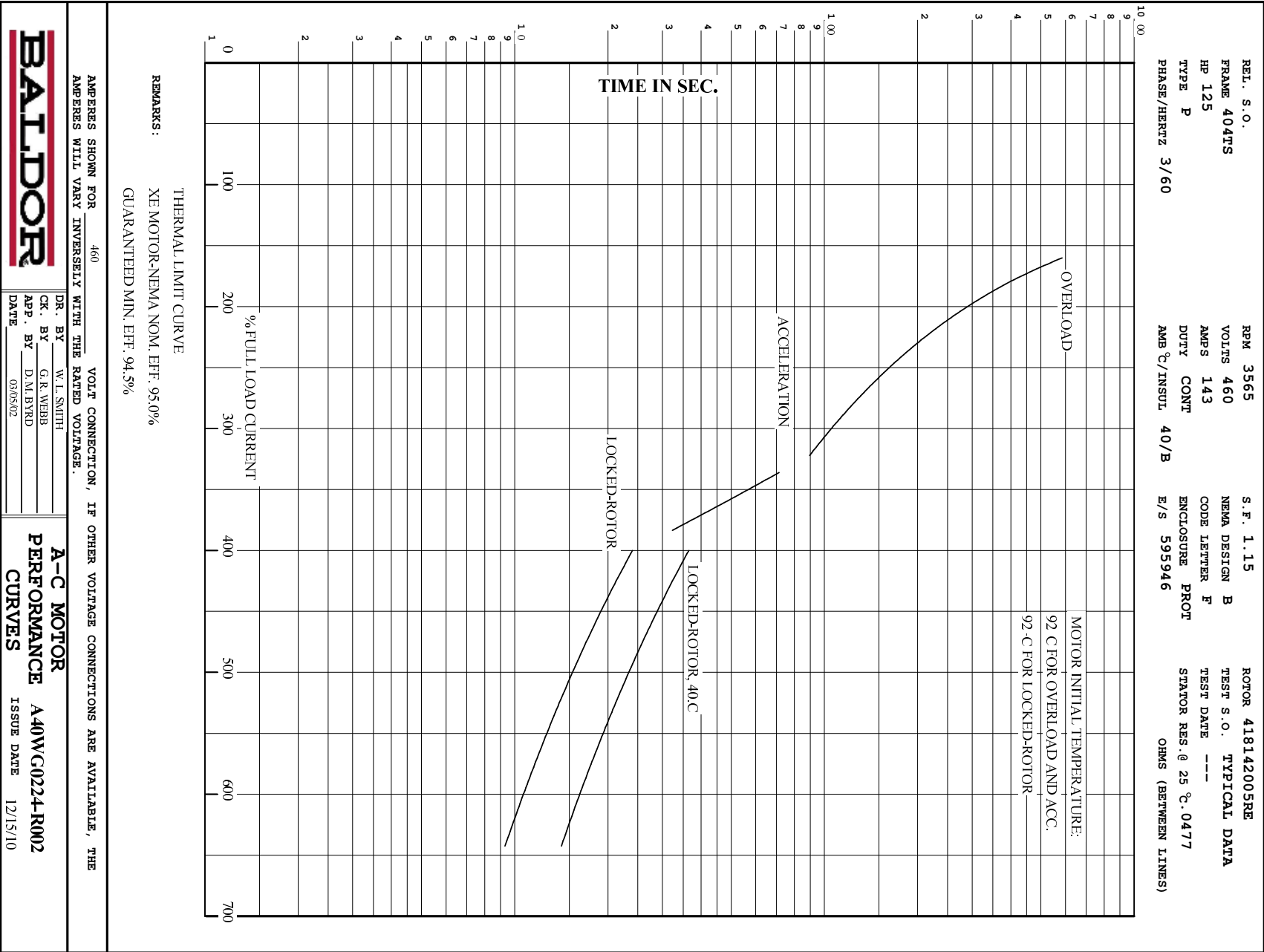


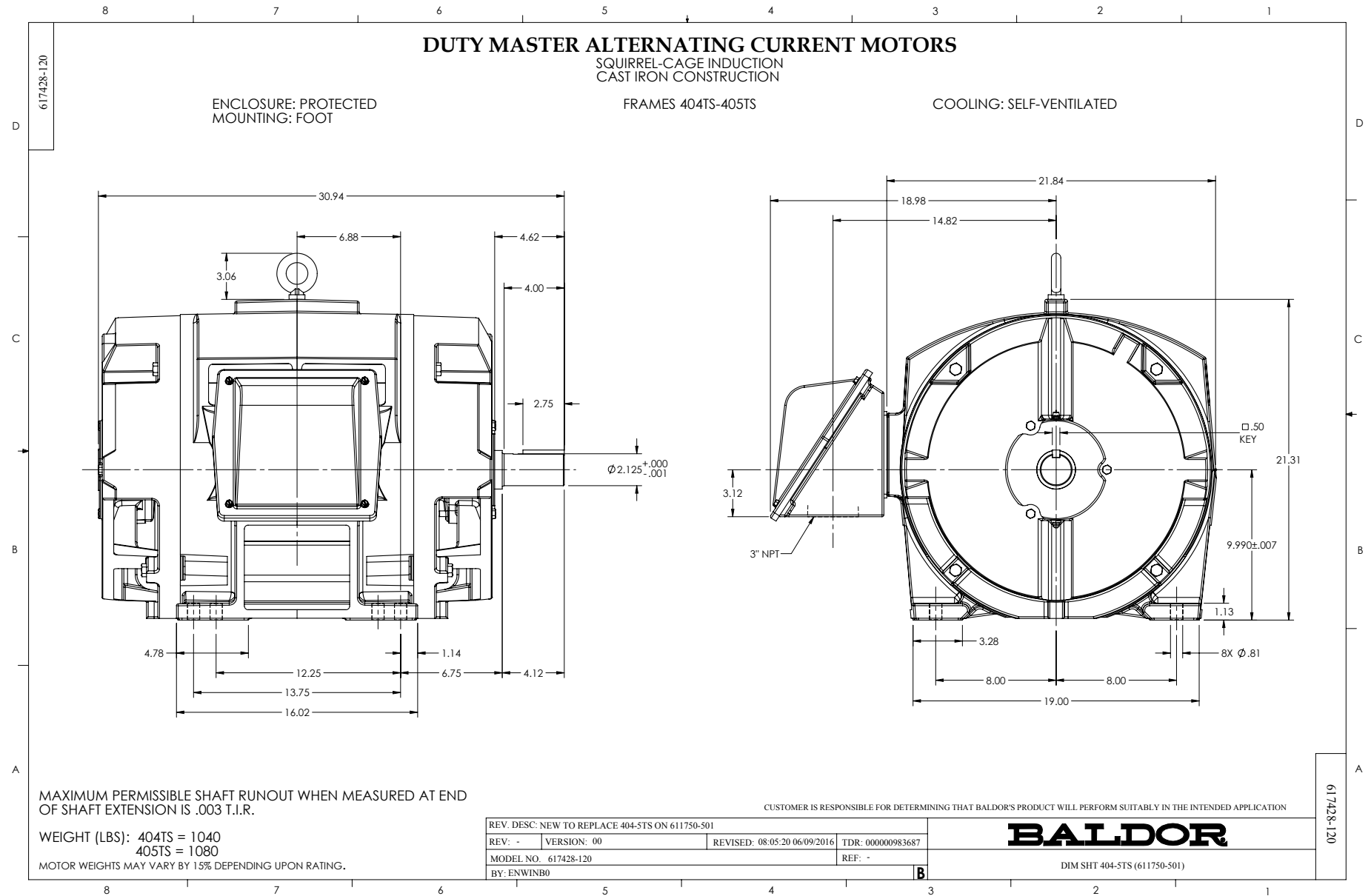
AMPERES SHOWN FOR 460 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

BALDOR

DR. BY W.L. SMITH
CK. BY G.R. WEBB
APP. BY D.M. BYRD
DATE 03/05/02

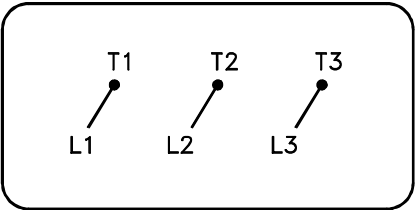
A-C MOTOR
PERFORMANCE A40W G0224-R002
CURVES ISSUE DATE 12/15/10





416820-036

A-C MOTOR
CONNECTION DIAGRAM
STANDARD 3 LEAD CONNECTED



(N.P. 1575-BA)

416820-036

REV. DESC: LOADED TO BUS, C/R 335225		
REV. LTR: -	VERSION: 00	TDR: 000000538207
FILE: \MGA\00000\682	REVISED: 11: 54: 06 04/30/2010	
MTL: -	BY: RAGRA	

BALDOR

CONN DIAG - STANDARD 3 LEAD
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