

ABB BALDOR RELIANCE III

Customer information packet

IDDRPM404006R1

400HP, 1175/2000RPM, 460V, 3PH, DPGFV, RL4034

Specifications

Enclosure	DPFV
Frame	RL4034
Frame Material	Exposed Laminations
Frequency	40.00 Hz
Output @ Frequency	400.000 @ 40 HZ 400.000 HP @ 40 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 40 HZ
Voltage @ Frequency	460.0 V @ 40 HZ 460 V @ 40 HZ
Agency Approvals	CCSA US
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	460.000 A @ 460.0 V
Duty Rating	CONT
Enclosure Modification	FORCE VENT
Feedback Device	NO FEEDBACK
Frame Prefix	RL
Heater Indicator	No Heater
High Voltage Full Load Amps	460.0 a
Insulation Class	H
Motor Standards	NEMA
Mounting Arrangement	F1
Overall Length	48.62 IN
Product Family	General Industrial
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.00
Shaft Diameter	3.624 IN
Shaft Ground Indicator	Shaft Grounding
Shaft Rotation	Reversible

Part Detail

Revision	H
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	L6220A
Layout	619654-001
Eff. date	05-03-2022
CD Diagram	422927-001
Poles	04
Leads	
Proprietary	False
Created date	04-09-2015

Speed	1175 rpm
Thermal Device - Bearing	None
Thermal Device - Winding	Normally Closed Thermostat

Nameplate

000613006MY									
	DUTY	HP	RPM	AMPS	VOLTS	HZ			
	CONT	400	1175		460	460	40		
	CONT	400	2000		464	460	68.2		
CAT.NO.	IDDRPM404006R1		SPEC. NO.		P40R1330				
SER.NO			FR	RL 4034	INSUL	H			
PH.	3	MAX SAFE SPEED		3750	AMB.	40	MIN. AMB.	-25	
DESIGN NO.	L6220A		TYPE		ENCL.		DP		
S.F.	1.00		D.E. BRG.		95BC02J30X				
ENCL MOD	FORCE VENT		O.D.E. BRG.		6316/C3VL0241				

REL S.O.	-	VOLTS	460	ENCLOSURE	DPFV	WYE CONN EQ CKT OHMS PER PHASE		
FRAME	L4034	AMPS	460	MAX SAFE RPM	3750	(AT BASE RATING, 25 °C)		
HP	400	DUTY	CONT	IM (AMPS)	130	R1	.0107	X1 .0686
BASE SPEED	1175	S.F.	1.0	P.F.@NL/FL	.043/.891	R2	.00767	X2 .0660
PHASE/HERTZ	3/40	AMB °C/INSUL	40/H	WK ² (Lb-Ft ²)	73			XM 2.10

RATED FULL LOAD DATA

	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
BASE SPEED	1177	400	1785	460	40	457
MAX SPEED	2002	400	1049	460	68.2	464
MIN SPEED	0	0	1785	14.8	.770	457

LOAD PERFORMANCE AT BASE SPEED

	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
NO LOAD	1200	0	0	460	40	127
1/4	1195	100	440	460	40	168
1/2	1189	200	883	460	40	250
3/4	1183	300	1331	460	40	348
FULL LOAD	1177	400	1785	460	40	457
O/L	1162	593	2678	460	40	693

REMARKS :



DR. BY	K. GREEN
CK. BY	B. GRANT
APP. BY	J. MARTIN
DATE	7-03-14

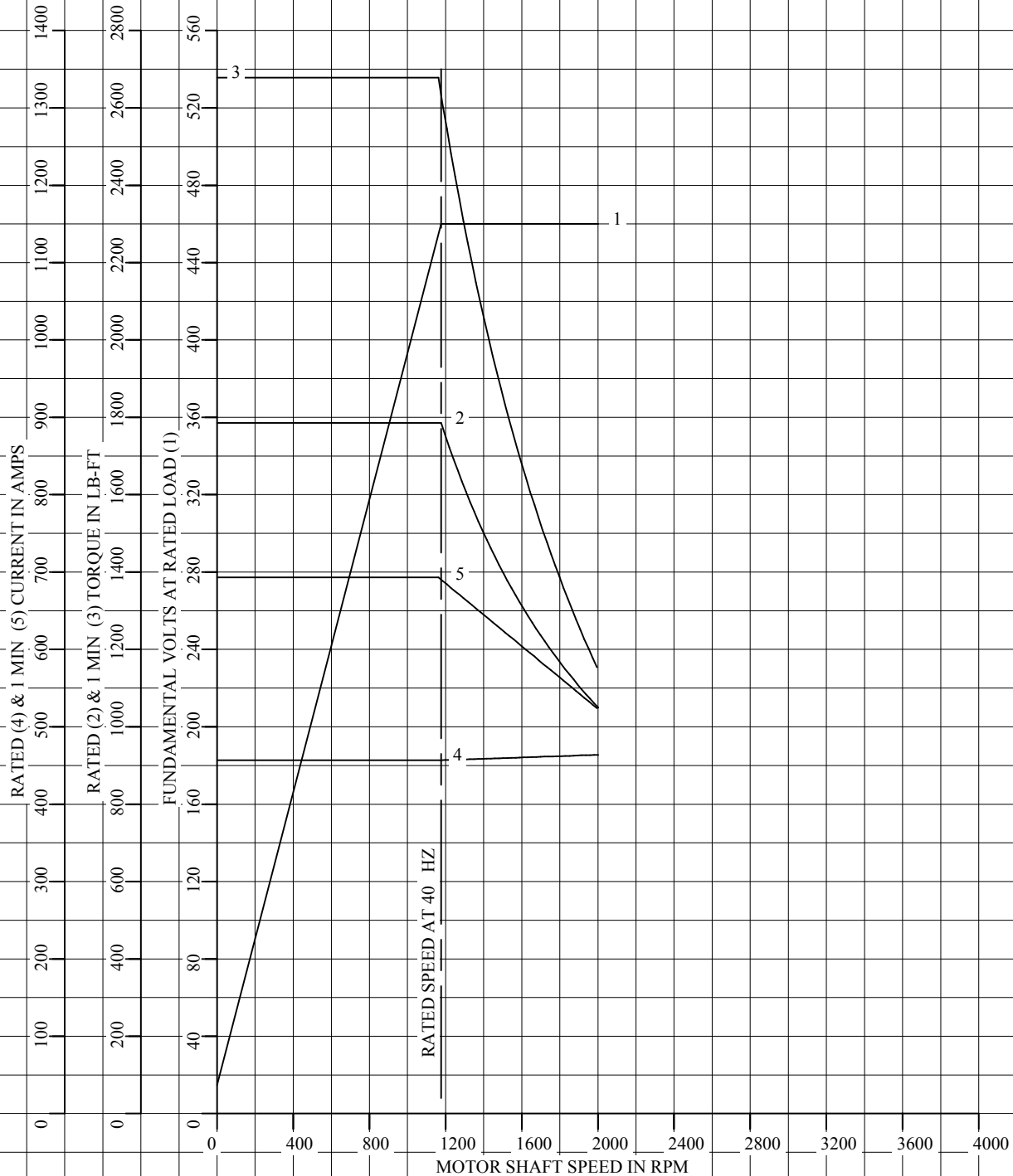
**A-C MOTOR
PERFORMANCE DATA** L6220A

ISSUE DATE 7-03-14

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PHASE/HERTZ	3/40	AMB °C/INSUL	40/H	WK ² (Lb-Ft ²)	73	XM 2.10	

VARIABLE SPEED AC MOTOR CURVES



REMARKS:

DATA VALID FOR NAMEPLATE SPEED RANGE ONLY



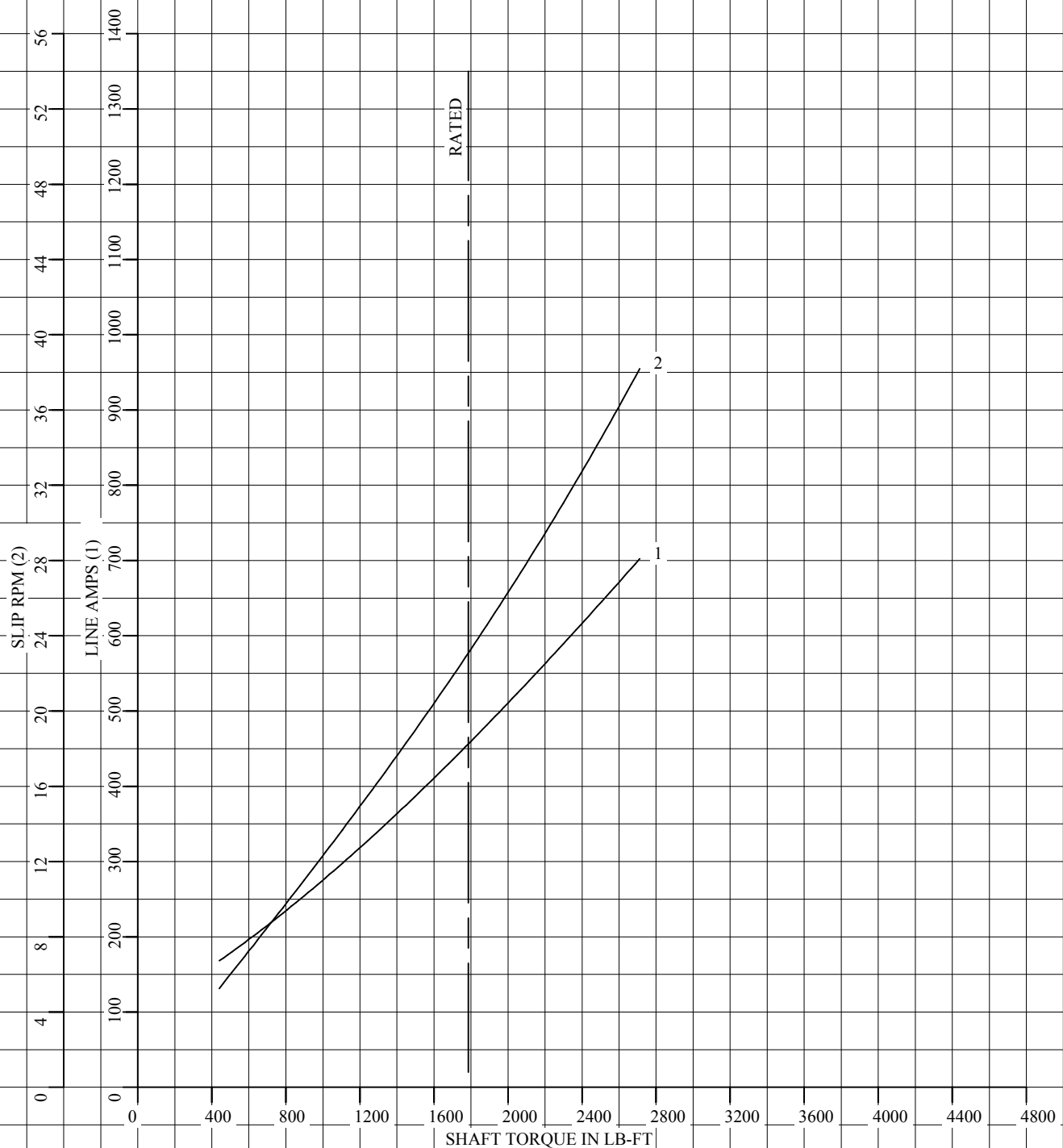
DR. BY K. GREEN
CK. BY B. GRANT
APP. BY J. MARTIN
DATE 7-03-14

**A-C MOTOR
PERFORMANCE
CURVES**

L6220A
SH 1 OF 2
ISSUE DATE 7-03-14

REL S.O.	-	VOLTS	460	ENCLOSURE	DPFV	WYE CONN EQ CKT OHMS PER PHASE	
FRAME	L4034	AMPS	460	MAX SAFE RPM	3750	(AT BASE RATING, 25 °C)	
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LOAD PERFORMANCE (CONSTANT V/Hz RANGE)



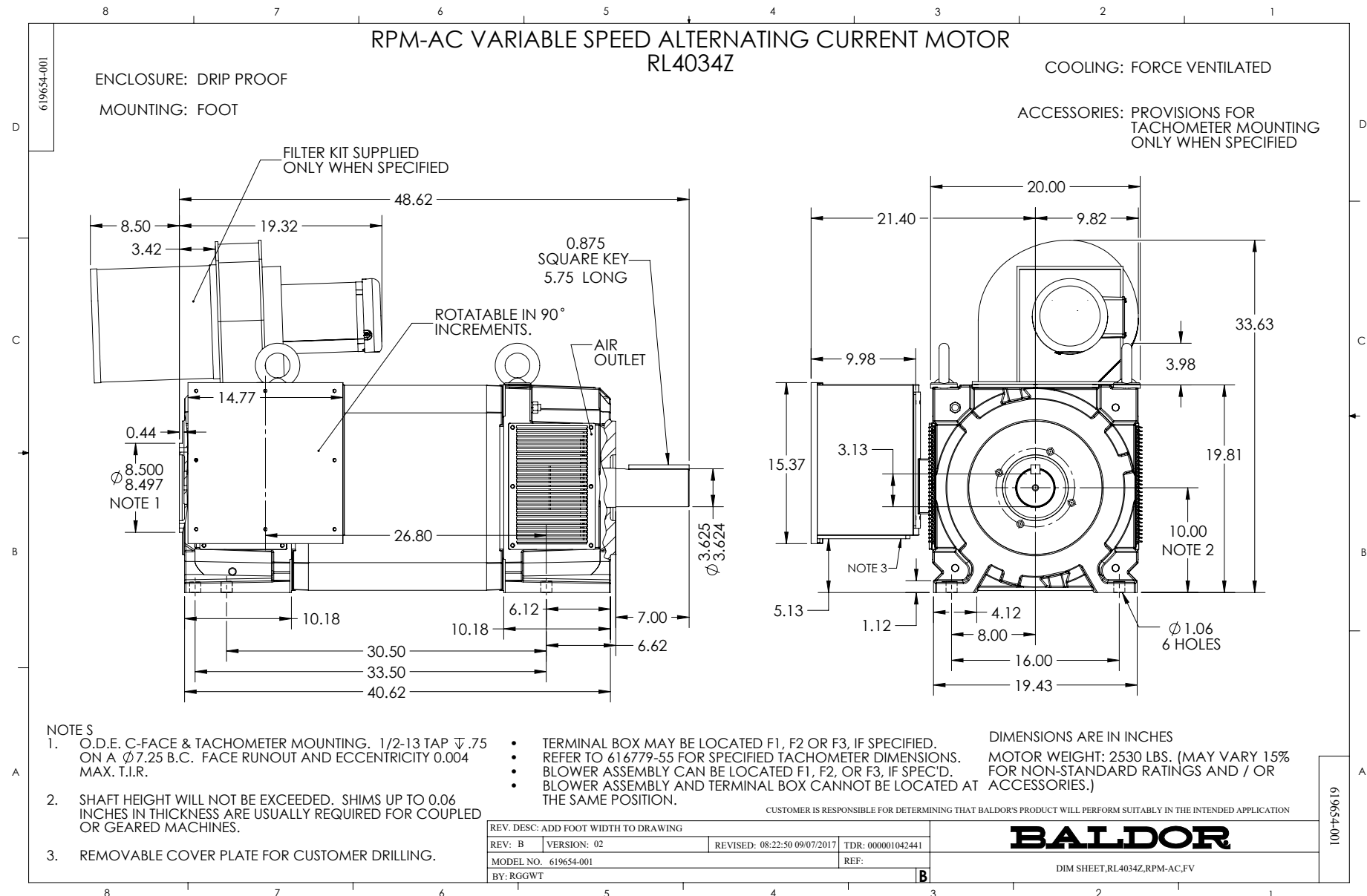
REMARKS:

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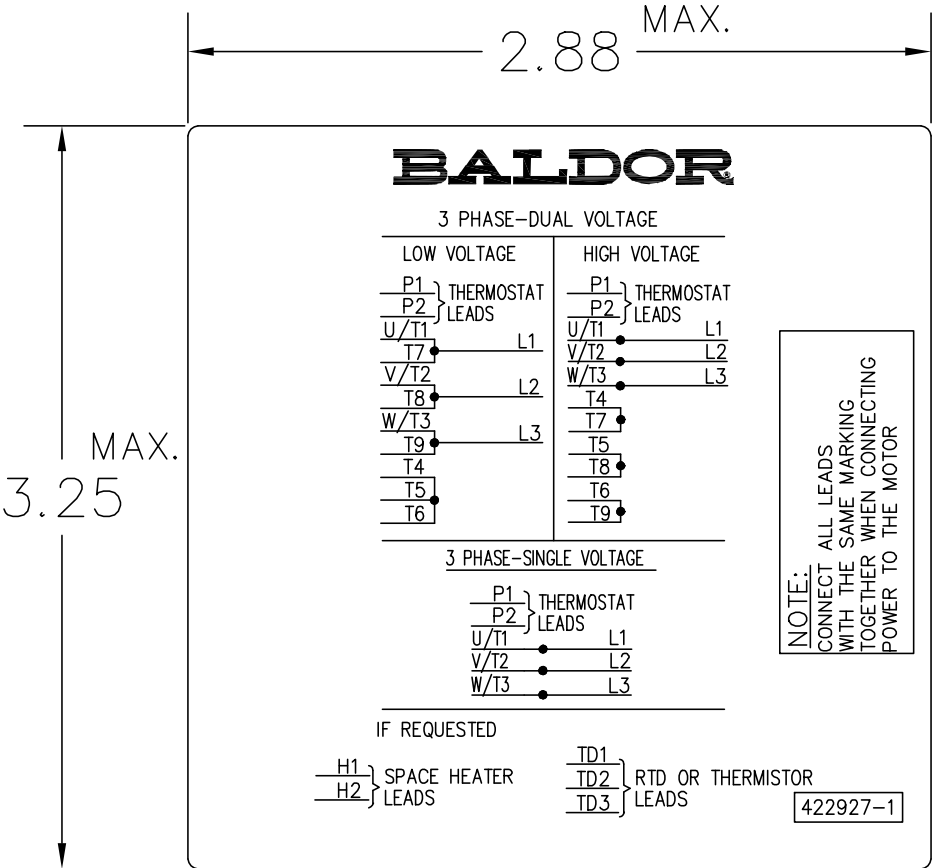
BALDOR
A MEMBER OF THE ABB GROUP

DR. BY K. GREEN
CK. BY B. GRANT
APP. BY J. MARTIN
DATE 7-03-14

**A-C MOTOR
PERFORMANCE
CURVES**
L6220A
SH 2 OF 2
ISSUE DATE 7-03-14



422927-001



NOTE:
DATA TO BE SIZED
SO THAT IT FITS INTO
MATERIAL DECAL
DIMENSIONS. MAKE
LETTERS & NUMBERS
AS LARGE AS POSSIBLE.

MATERIAL: CERAMATIC DGF-P4
PERMA GRIP ADHESIVE

ALL LETTERS, NUMBERS
AND LINES TO BE BLACK
ON WHITE BACKGROUND.

422927-001

REV. DESC: CHANGE BACKGROUND COLOR FROM GOLD TO WHITE		
REV. LTR: B	VERSION: 02	TDR: 000000788708
FILE: \RGG\00000\203	REVISED: 08:09:29 03/04/2013	
MTL: -	BY: RGGWT	

BALDOR
EXTERNAL CONNECTION LABEL
SH 1 of 1