

ABB BALDOR RELIANCE III

Customer information packet

IDDRPM5820004

2000HP, 1750, 690V, RL5832, DPFV, F1

Specifications

Enclosure	DPFV
Frame	RL5832Z
Frame Material	Exposed Laminations
Frequency	60.00 Hz
Output @ Frequency	2000.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	690.0 V @ 60 HZ
Agency Approvals	CCSA US
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	1465.000 A @ 690.0 V
Duty Rating	CONT
Feedback Device	NO FEEDBACK
Frame Prefix	RL
Heater Indicator	No Heater
High Voltage Full Load Amps	1465.0 a
Insulation Class	H
IP Rating	NONE
Motor Standards	NEMA
Mounting Arrangement	F1
Overall Length	83.54 IN
Product Family	General Industrial
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.00
Shaft Diameter	4.875 IN
Shaft Ground Indicator	Shaft Grounding
Shaft Rotation	Reversible
Speed	1782 rpm
Starting Method	Full Voltage

Part Detail

Revision	-
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	L9911A
Layout	627006-001
Eff. date	08-15-2025
CD Diagram	422927-001
Poles	04
Leads	
Proprietary	False
Created date	07-17-2025

Thermal Device - Bearing	None
Thermal Device - Winding	Normally Closed Thermostat

Nameplate

000613006MY									
	DUTY	HP	RPM	AMPS	VOLTS	HZ			
	CONT	2000	1782		1465	690	60		
CAT.NO.	IDDRPM5820004			SPEC. NO.	R58-A000-0003				
SER.NO				FR	RL5832Z	INSUL	H		
PH.	3	MAX SAFE SPEED			2100	AMB.	40	MIN. AMB.	-25
DESIGN NO.	L9911A	TYPE				ENCL.	DPG-FV		
S.F.	1.00	D.E. BRG.			130BC02J30X				
ENCL MOD				O.D.E. BRG.	6224/C3J20AA				
	IP23								

FRAME	RL5832	AMPS	1465	MAX SAFE SPEED	2100				
HP	2000	DUTY	CONT	IM (AMPS)	327	R1	.00231	X1	.0360
BASE SPEED	1782	S.F.	1.0	P.F. @NL / FL	.021/.901	R2	.00187	X2	.0324
PHASE/HZ	3/60	AMB.°C / INSUL	40/H	WK² (Lb-Ft²)	388			XM	1.22

RATED FULL LOAD DATA

	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
BASE SPEED	1782	2000	5894	690	60	1466
MAX SPEED	1782	2000	5894	690	60	1466
MIN SPEED	0	0	5894	10.2	.607	1466

LOAD PERFORMANCE AT BASE SPEED

	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
NO LOAD	1800	0	0	690	60	327
1/4	1796	501	1464	690	60	478
1/2	1791	1001	2934	690	60	768
3/4	1787	1499	4406	690	60	1102
FULL LOAD	1782	2000	5894	690	60	1466
0/L	1770	2980	8840	690	60	2277

**REMARKS:
TYPICAL DATA**

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**DRAWN BY: R.GARCIA
CHECKED BY: R.GARCIA
APPROVED BY: B.SPIRES
DATE: 07-07-25**

**AC MOTOR
PERFORMANCE
DATA**

L9911A

ISSUE DATE 07-07-25

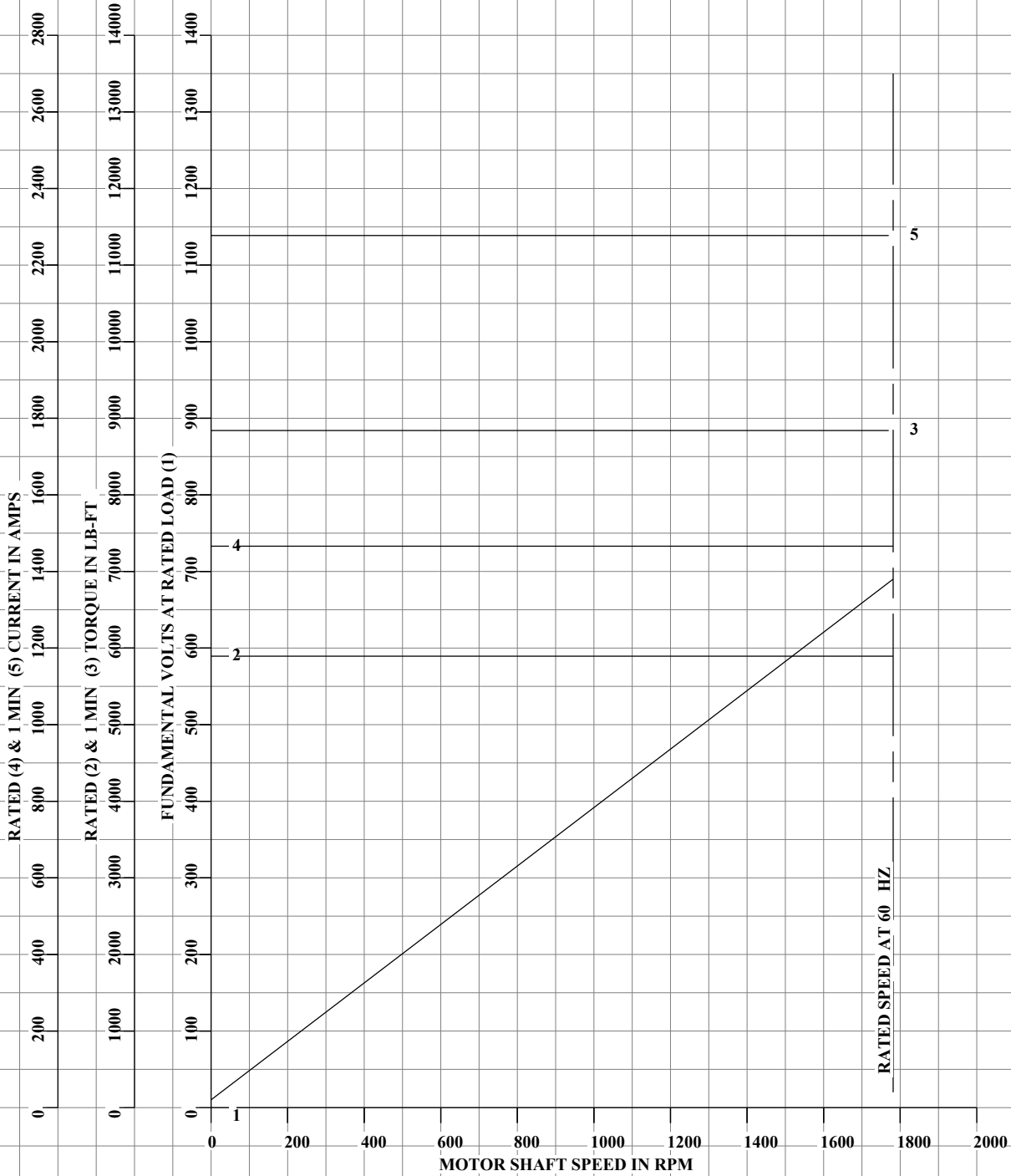
FRAME RL5832
HP 2000
BASE SPEED 1782
PHASE/HZ 3/60

VOLTS 690
AMPS 1465
DUTY CONT
S.F. 1.0
AMB.°C / INSUL 40/H

MAX SAFE SPEED 2100
IM (AMPS) 327
P.F. @NL / FL .021/.901
WK² (Lb-Ft²) 388

(AT BASE RATING, 25°C)
R1 .00231 X1 .0360
R2 .00187 X2 .0324
XM 1.22

VARIABLE SPEED AC MOTOR CURVES



TYPICAL DATA, DATA VALID FOR NAMEPLATE SPEED RANGE ONLY



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**AC MOTOR
PERFORMANCE
DATA**

L9911A

ISSUE DATE: 07-07-25

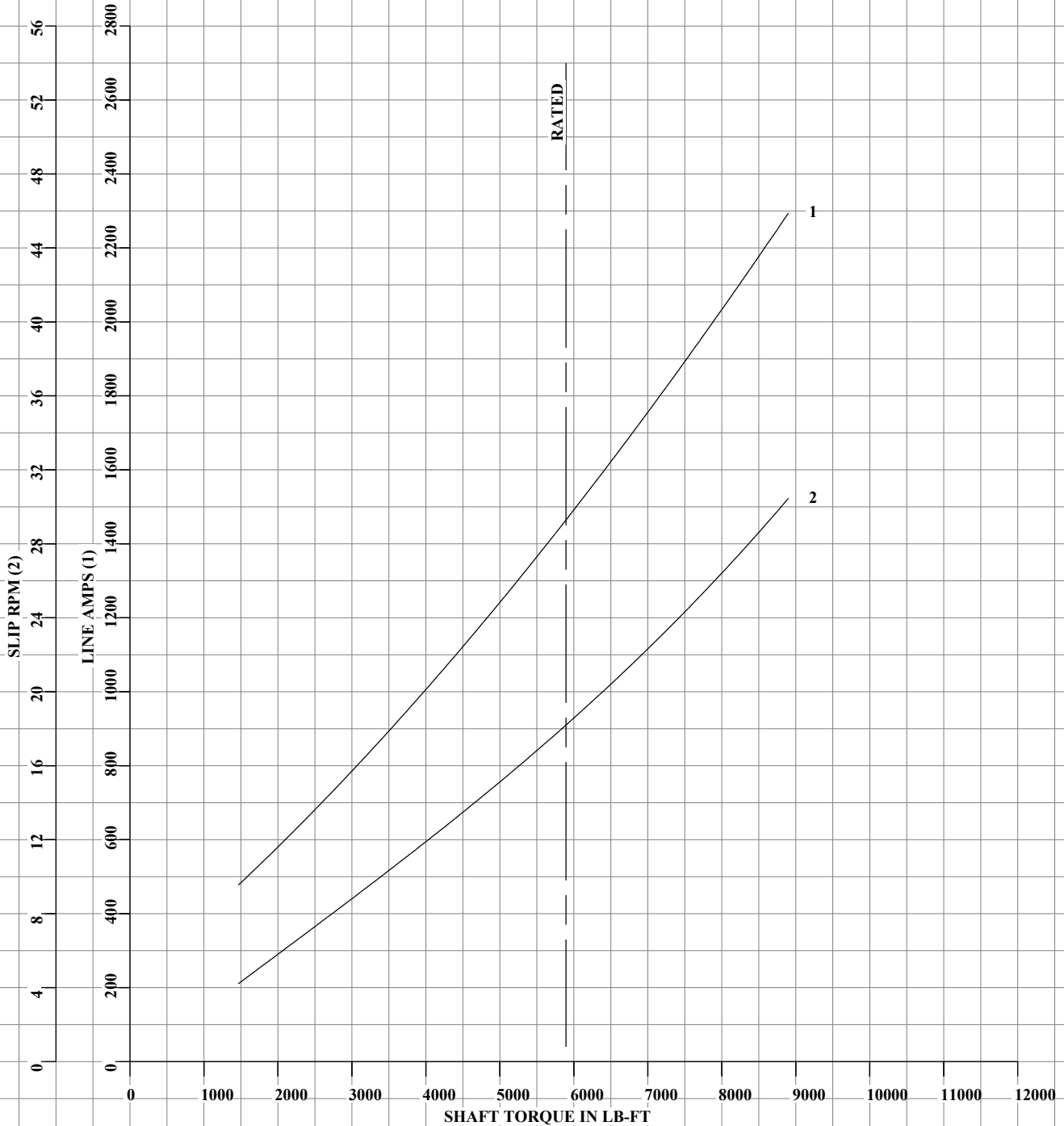
FRAME RL5832
HP 2000
BASE SPEED 1782
PHASE/HZ 3/60

VOLTS 690
AMPS 1465
DUTY CONT
S.F. 1.0
AMB.°C / INSUL 40/H

MAX SAFE SPEED 2100
IM (AMPS) 327
P.F. @NL / FL .021/.901
WK² (Lb-Ft²) 388

(AT BASE RATING, 25°C)
R1 .00231 X1 .0360
R2 .00187 X2 .0324
XM 1.22

LOAD PERFORMANCE (CONSTANT V/HZ RANGE)



TYPICAL DATA, DATA VALID FOR NAMEPLATE SPEED RANGE ONLY

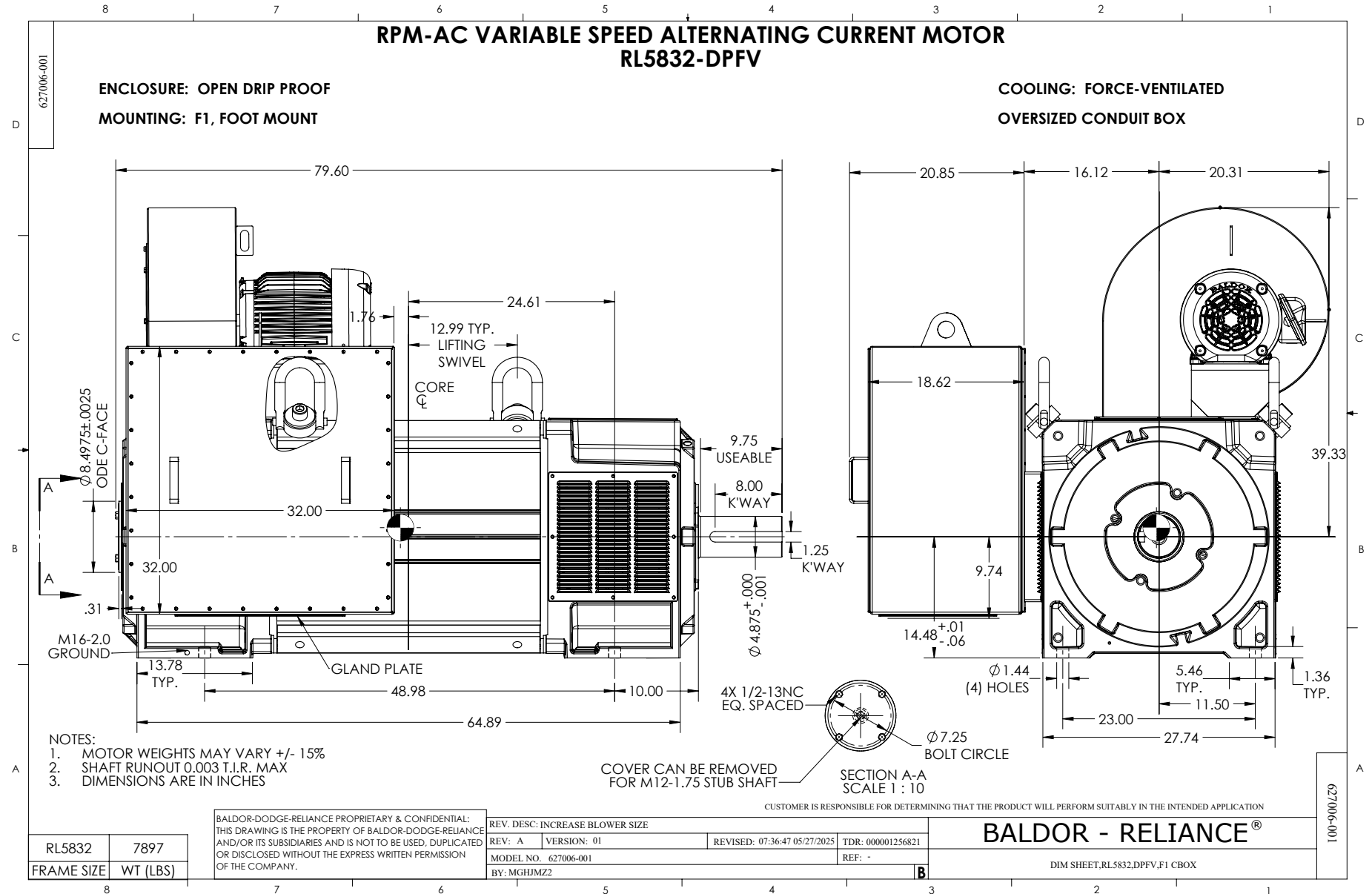


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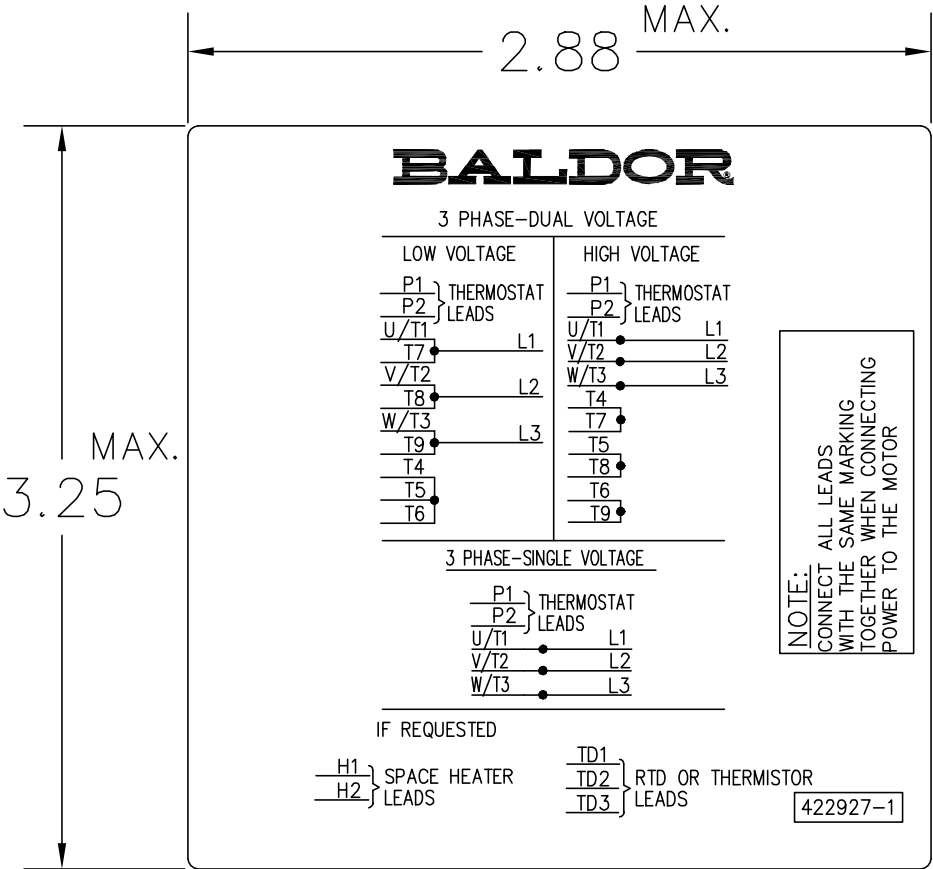
AC MOTOR
PERFORMANCE
DATA

L9911A

ISSUE DATE: 07-07-25



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