

ABB BALDOR RELIANCE III

Customer information packet

IDDRPM322004ED

200HP, 1750, 460V, RL3203, DPFV, F1

Specifications

Enclosure	DPFV
Frame	RL3203Z
Frame Material	Exposed Laminations
Frequency	60.00 Hz
Output @ Frequency	200.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	CCSA US
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	244.000 A @ 460.0 V
Duty Rating	CONT
Feedback Device	NO FEEDBACK
Frame Prefix	RL
Heater Indicator	No Heater
High Voltage Full Load Amps	244.0 a
Insulation Class	H
IP Rating	NONE
Motor Standards	NEMA
Mounting Arrangement	F1
Overall Length	46.10 IN
Product Family	Extruder
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.00
Shaft Diameter	2.874 IN
Shaft Ground Indicator	Shaft Grounding
Shaft Rotation	Reversible
Speed	1777 rpm
Starting Method	Full Voltage

Part Detail

Revision	B
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	L9491A
Layout	619691-001
Eff. date	06-30-2023
CD Diagram	422927-001
Poles	04
Leads	
Proprietary	False
Created date	03-06-2023

Thermal Device - Bearing	None
Thermal Device - Winding	Thermostat And RTD

Nameplate

000613006ABS									
	DUTY	HP	RPM	AMPS	VOLTS	HZ			
	CONT	200	1777		245	460	60		
	CONT	200	2300		227	460	77.7		
CAT.NO.	IDDRPM322004ED			SPEC. NO.	R32-A000-0414				
SER.NO				FR	RL3203Z	INSUL	H		
PH.	3	MAX SAFE SPEED			4000	AMB.	40	MIN. AMB.	-25
DESIGN NO.	L9491A			TYPE		ENCL.	DPG-FV		
S.F.	1.00			D.E. BRG.	85BC02J30X				
ENCL MOD				O.D.E. BRG.	6313/C3VL0241				
	IP23								

FRAME	RL3203	AMPS	245	MAX SAFE SPEED	4000				
HP	200	DUTY	CONT	IM (AMPS)	113	R1	.0169	X1	.0922
BASE SPEED	1777	S.F.	1.0	P.F. @NL / FL	.041/.831	R2	.0102	X2	.101
PHASE/HZ	3/60	AMB.°C / INSUL	40/H	WK ² (Lb-Ft ²)	21			XM	2.39

RATED FULL LOAD DATA

	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
BASE SPEED	1777	200	591	460	60	245
MAX SPEED	2301	200	457	460	77.7	227
MIN SPEED	0	0	591	12.3	.773	245

LOAD PERFORMANCE AT BASE SPEED

	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
NO LOAD	1800	0	0	460	60	111
1/4	1794	50.1	147	460	60	126
1/2	1789	100	294	460	60	157
3/4	1783	150	442	460	60	197
FULL LOAD	1777	200	591	460	60	245
0/L	1749	394	1182	460	60	462

REMARKS:

TYPICAL DATA

CORRELATED DATA



DRAWN BY: A. BROOKINS
CHECKED BY: B. GRANT
APPROVED BY: J. MARTIN
DATE: 3-13-23

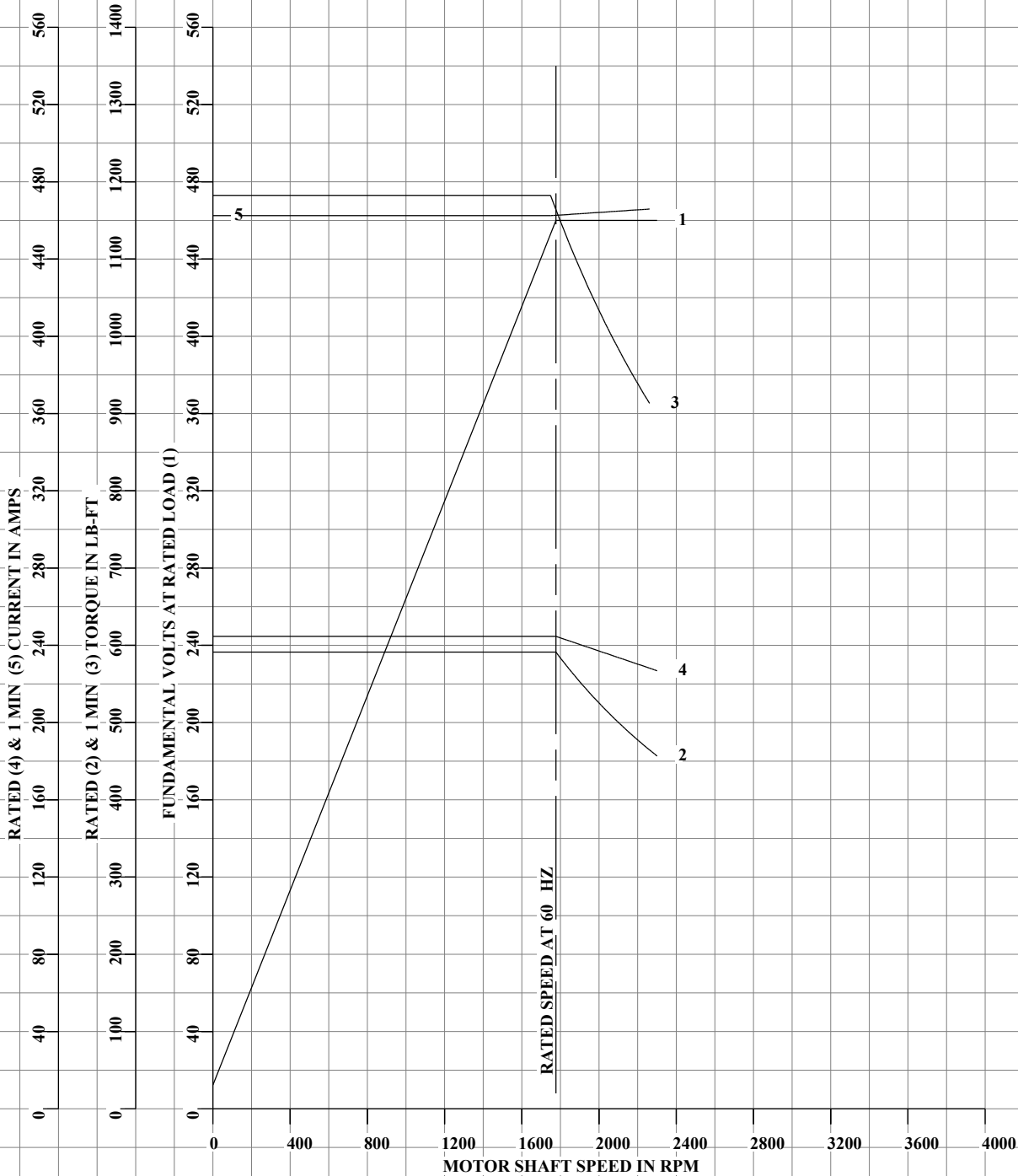
**AC MOTOR
PERFORMANCE
DATA**

L9491A

ISSUE DATE 3-13-23

FRAME	RL3203	VOLTS	460	ENCLOSURE	DPFV	WYE CONN	EQ CKT	OHMS PER PHASE
HP	200	AMPS	245	MAX SAFE SPEED	4000	(AT BASE RATING, 25°C)		
BASE SPEED	1777	DUTY	CONT	IM (AMPS)	113	R1	.0169	X1 .0922
PHASE/HZ	3/60	S.F.	1.0	P.F. @NL / FL	.041/.831	R2	.0102	X2 .101
		AMB.°C / INSUL	40/H	WK ² (Lb-Ft ²)	21			XM 2.39

**CORRELATED DATA
VARIABLE SPEED AC MOTOR CURVES**



TYPICAL DATA, DATA VALID FOR NAMEPLATE SPEED RANGE ONLY



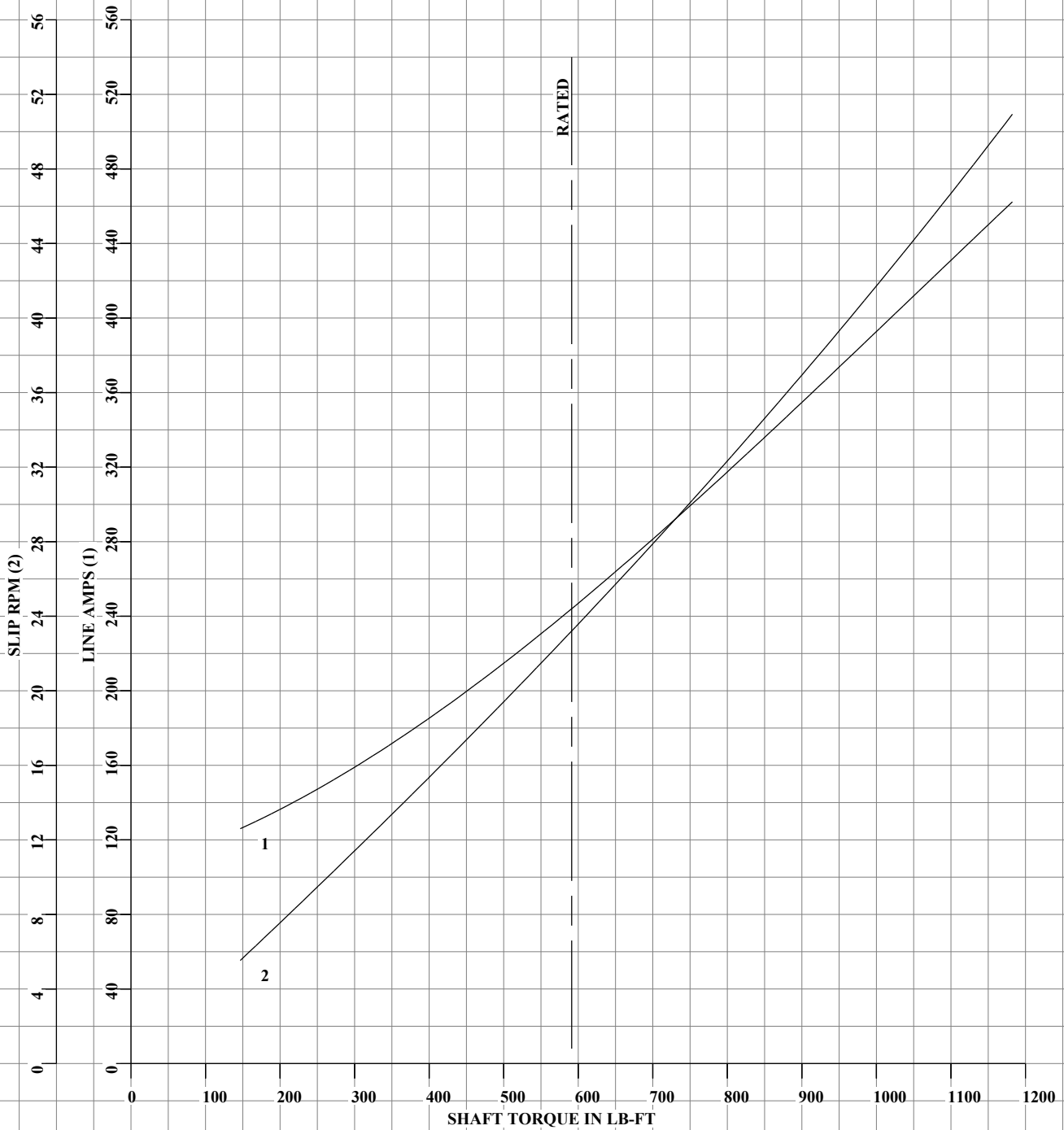
DRAWN BY: A. BROOKINS
 CHECKED BY: B. GRANT
 APPROVED BY: J. MARTIN
 DATE: 3-13-23

**AC MOTOR
PERFORMANCE
DATA**

L9491A
 ISSUE DATE: 3-13-23

FRAME	RL3203	VOLTS	460	ENCLOSURE	DPFV	WYE CONNEQ CKT OHMS PER PHASE (AT BASE RATING, 25°C)		
HP	200	AMPS	245	MAX SAFE SPEED	4000	R1	.0169	X1 .0922
BASE SPEED	1777	DUTY	CONT	IM (AMPS)	113	R2	.0102	X2 .101
PHASE/HZ	3/60	S.F.	1.0	P.F. @NL / FL	.041/.831			XM 2.39
		AMB.°C / INSUL	40/H	WK ² (Lb-Ft ²)	21			

**CORRELATED DATA
LOAD PERFORMANCE (CONSTANT V/HZ RANGE)**



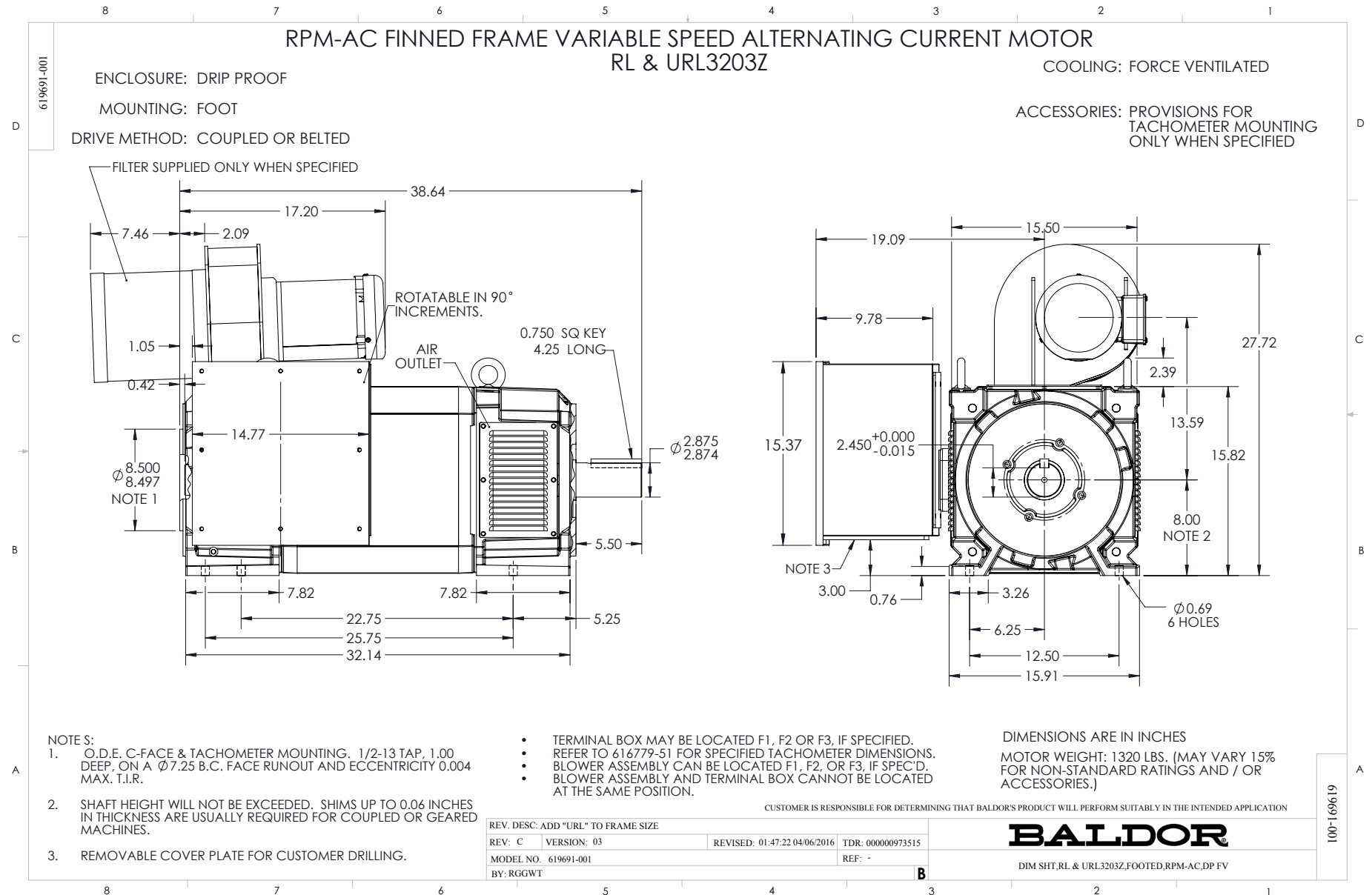
TYPICAL DATA, DATA VALID FOR NAMEPLATE SPEED RANGE ONLY



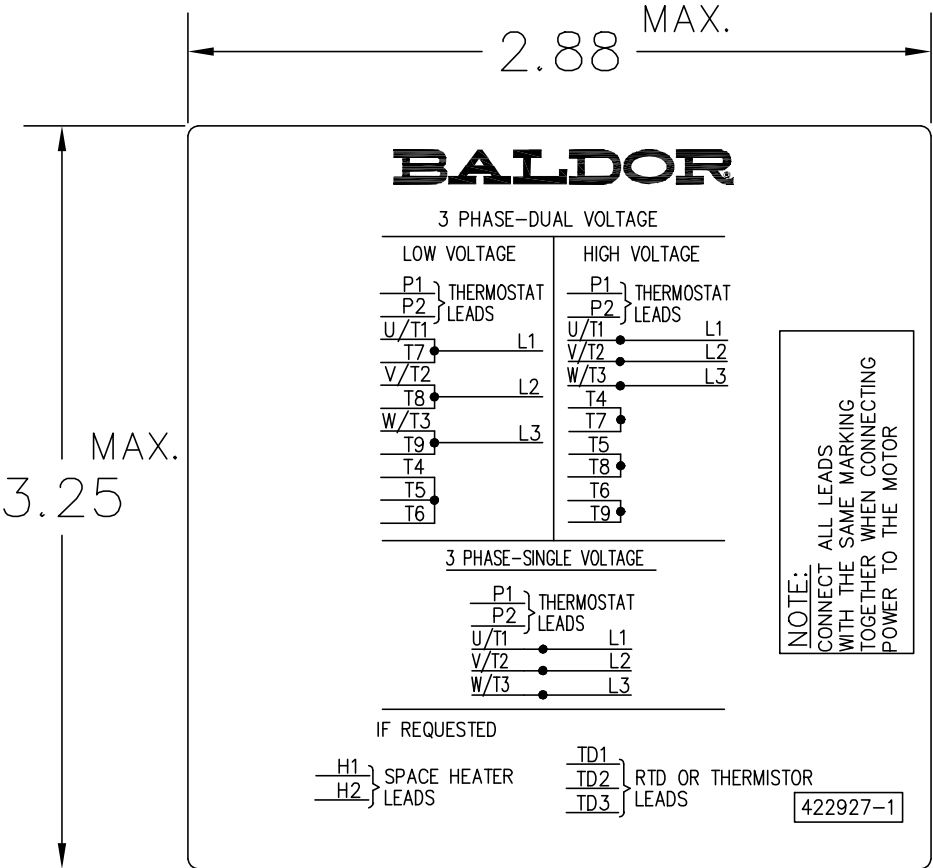
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**AC MOTOR
PERFORMANCE
DATA**

L9491A
 ISSUE DATE: 3-13-23



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