

ABB BALDOR RELIANCE III

Customer information packet

IDDRPM323004R1

300HP, 1750, 460V, RL3213, DPFV, F1

Specifications

Enclosure	DPFV
Frame	RL3213Z
Frame Material	Exposed Laminations
Frequency	60.00 Hz
Output @ Frequency	300.000 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	351.000 A @ 460.0 V
Duty Rating	CONT
Feedback Device	NO FEEDBACK
Frame Prefix	RL
Heater Indicator	No Heater
High Voltage Full Load Amps	351.0 a
Insulation Class	H
Motor Standards	NEMA
Mounting Arrangement	F1
Overall Length	41.14 IN
Product Family	General Industrial
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	1770 rpm
Starting Method	Full Voltage
Thermal Device - Bearing	None

Part Detail

Revision	B
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	L9456A
Layout	619695-001
Eff. date	12-18-2025
CD Diagram	422927-001
Poles	04
Leads	
Proprietary	False
Created date	02-02-2023

Thermal Device - Winding

Normally Closed Thermostat

Nameplate

000613006MY									
	DUTY	HP	RPM	AMPS	VOLTS	HZ			
	CONT	300	1770		351	460		60	
	CONT	300	3000		340	460		101.6	
CAT.NO.	IDDRPM323004R1		SPEC. NO.		R32-A000-0406				
SER.NO			FR	RL3213Z	INSUL	H			
PH.	3	MAX SAFE SPEED		4000	AMB.	40	MIN. AMB.	-25	
DESIGN NO.	L9456A		TYPE		ENCL.		DPG-FV		
S.F.	1.00		D.E. BRG.		85BC02J30X				
ENCL MOD			O.D.E. BRG.		6313/C3VL0241				

FRAME	RL3213	AMPS	351	MAX SAFE SPEED	4000				
HP	300	DUTY	CONT	IM (AMPS)	120	R1	.0126	X1	.0749
BASE SPEED	1770	S.F.	1.0	P.F. @NL / FL	.039/.865	R2	.00856	X2	.0781
PHASE/HZ	3/60	AMB.°C / INSUL	40/H	WK ² (Lb-Ft ²)	24			XM	2.09

RATED FULL LOAD DATA

	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
BASE SPEED	1773	300	889	460	60	351
MAX SPEED	2999	300	525	460	101.6	341
MIN SPEED	0	0	889	13.2	.8986	351

LOAD PERFORMANCE AT BASE SPEED

	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
NO LOAD	1800	0	0	460	60	127
1/4	1794	75.2	220	460	60	154
1/2	1787	150	441	460	60	207
3/4	1780	225	664	460	60	275
FULL LOAD	1773	300	889	460	60	351
0/L	1739	589	1778	460	60	700

REMARKS:
TYPICAL DATA
CORRELATED DATA



DRAWN BY: A. BROOKINS
CHECKED BY: B. GRANT
APPROVED BY: J. MARTIN
DATE: 1-24-23

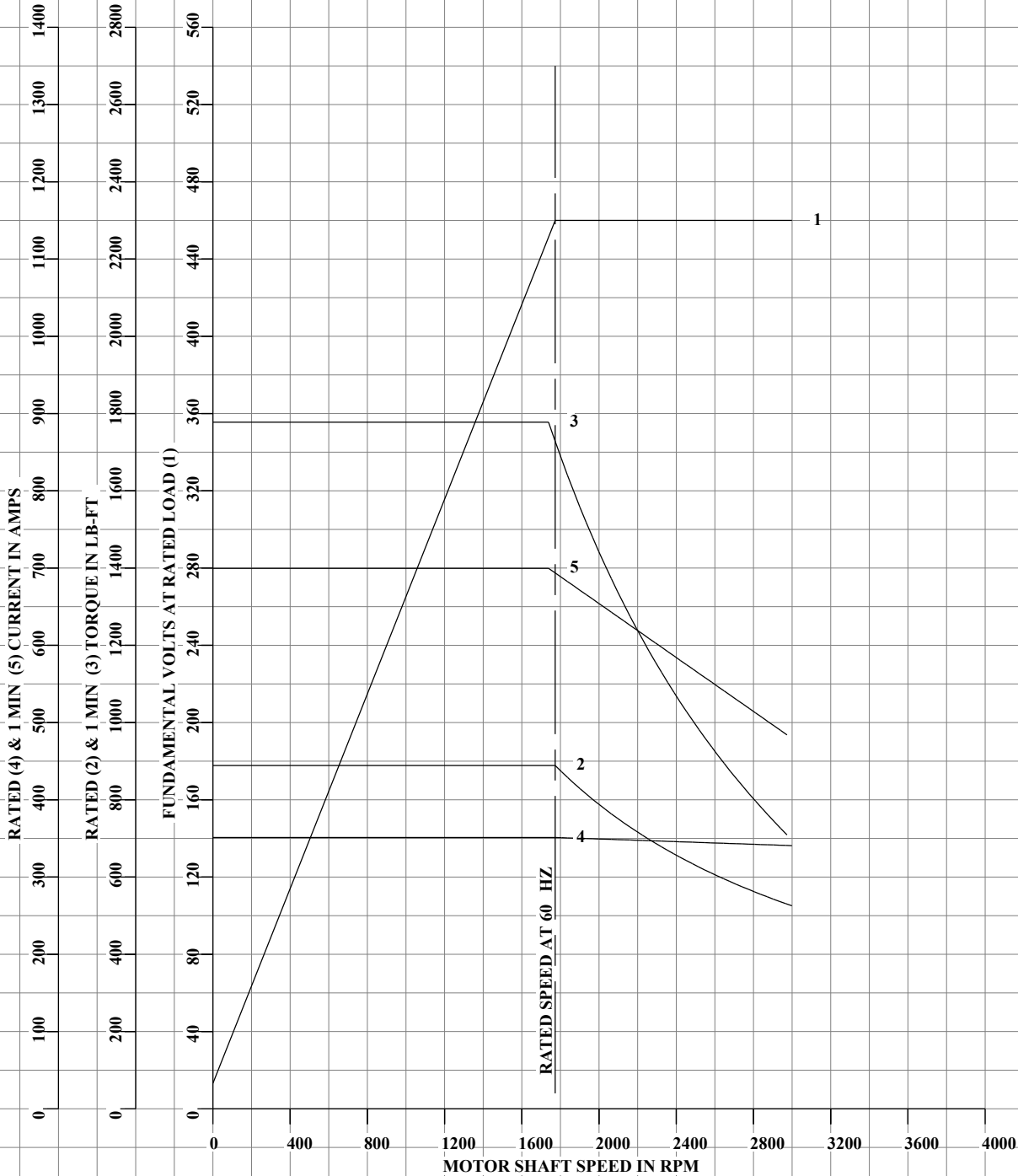
**AC MOTOR
PERFORMANCE
DATA**

L9456A

ISSUE DATE 1-24-23

FRAME	RL3213	VOLTS	460	ENCLOSURE	DPFV	WYE CONNEQ CKT OHMS PER PHASE (AT BASE RATING, 25°C)			
HP	300	AMPS	351	MAX SAFE SPEED	4000	R1	.0126	X1	.0749
BASE SPEED	1770	DUTY	CONT	IM (AMPS)	120	R2	.00856	X2	.0781
PHASE/HZ	3/60	S.F.	1.0	P.F. @NL / FL	.039/.865			XM	2.09
		AMB.°C / INSUL	40/H	WK ² (Lb-Ft ²)	24				

**CORRELATED DATA
VARIABLE SPEED AC MOTOR CURVES**



TYPICAL DATA, DATA VALID FOR NAMEPLATE SPEED RANGE ONLY



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 APPROVED BY: J. MARTIN
 DATE: 1-24-23

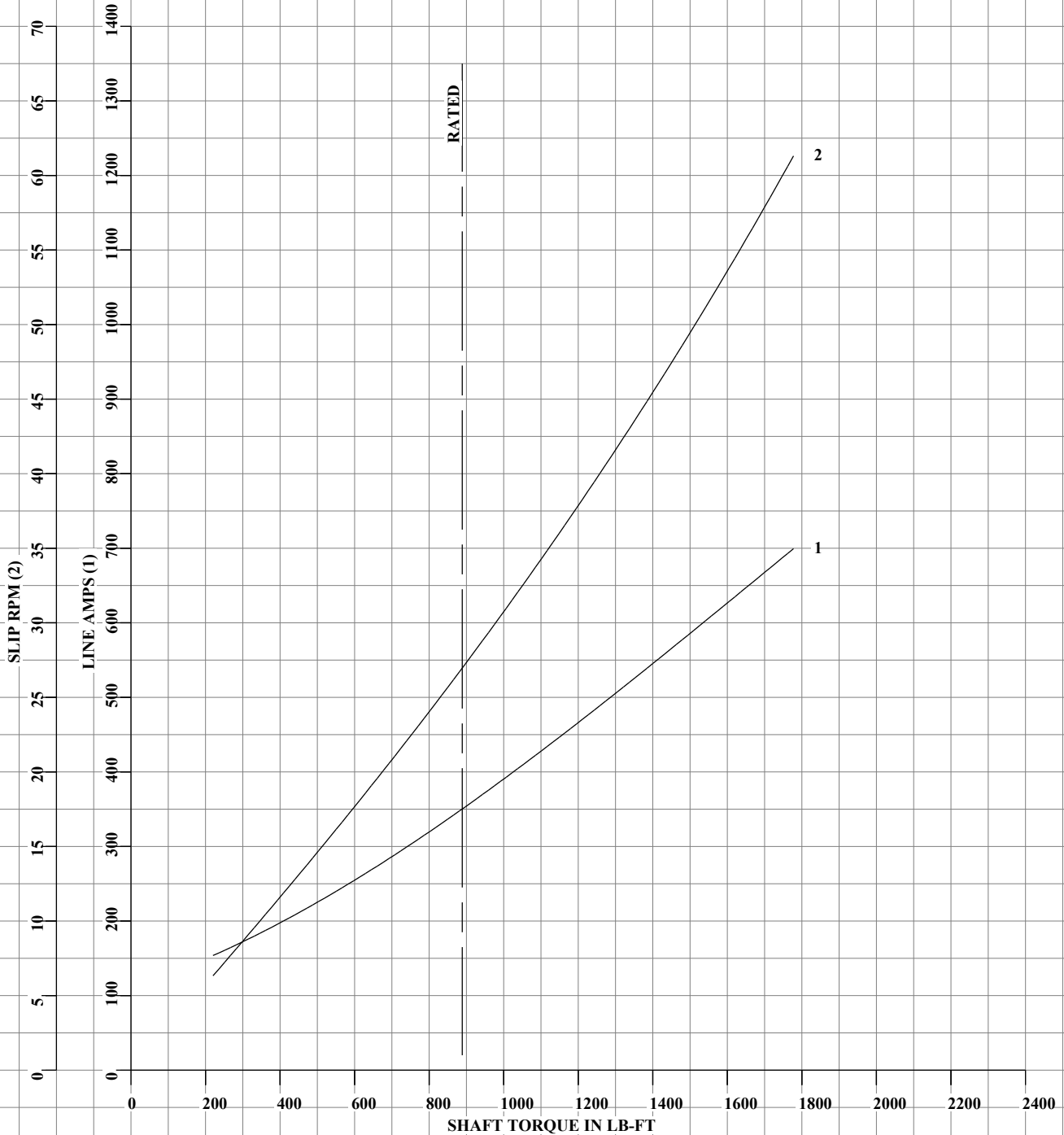
**AC MOTOR
PERFORMANCE
DATA**

L9456A

ISSUE DATE: 1-24-23

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HP	300	AMPS	351	MAX SAFE SPEED	4000	R1	.0126	X1	.0749
BASE SPEED	1770	DUTY	CONT	IM (AMPS)	120	R2	.00856	X2	.0781
PHASE/HZ	3/60	S.F.	1.0	P.F. @NL / FL	.039/.865			XM	2.09
		AMB.°C / INSUL	40/H	WK ² (Lb-Ft ²)	24				

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



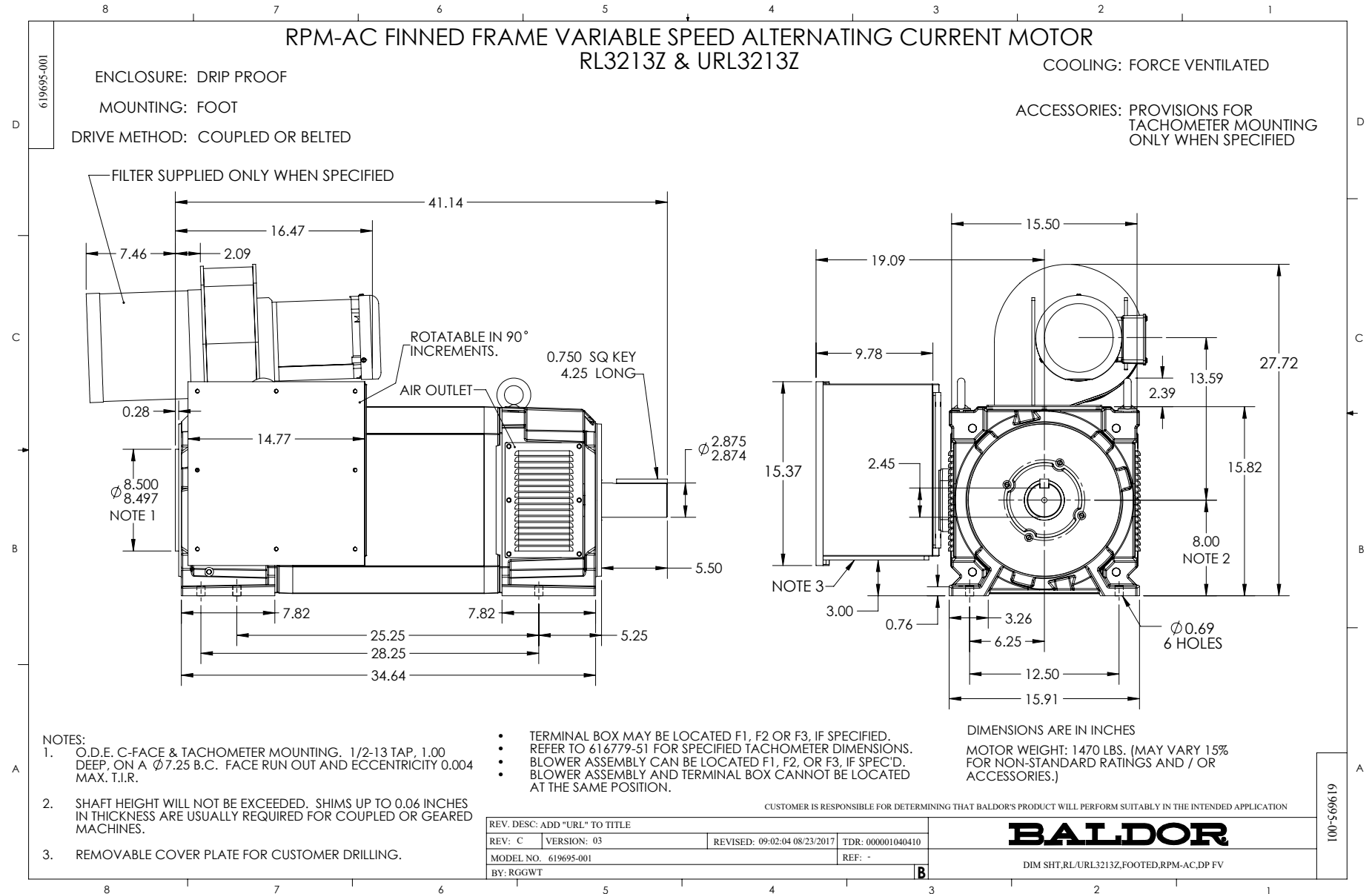
TYPICAL DATA, DATA VALID FOR NAMEPLATE SPEED RANGE ONLY



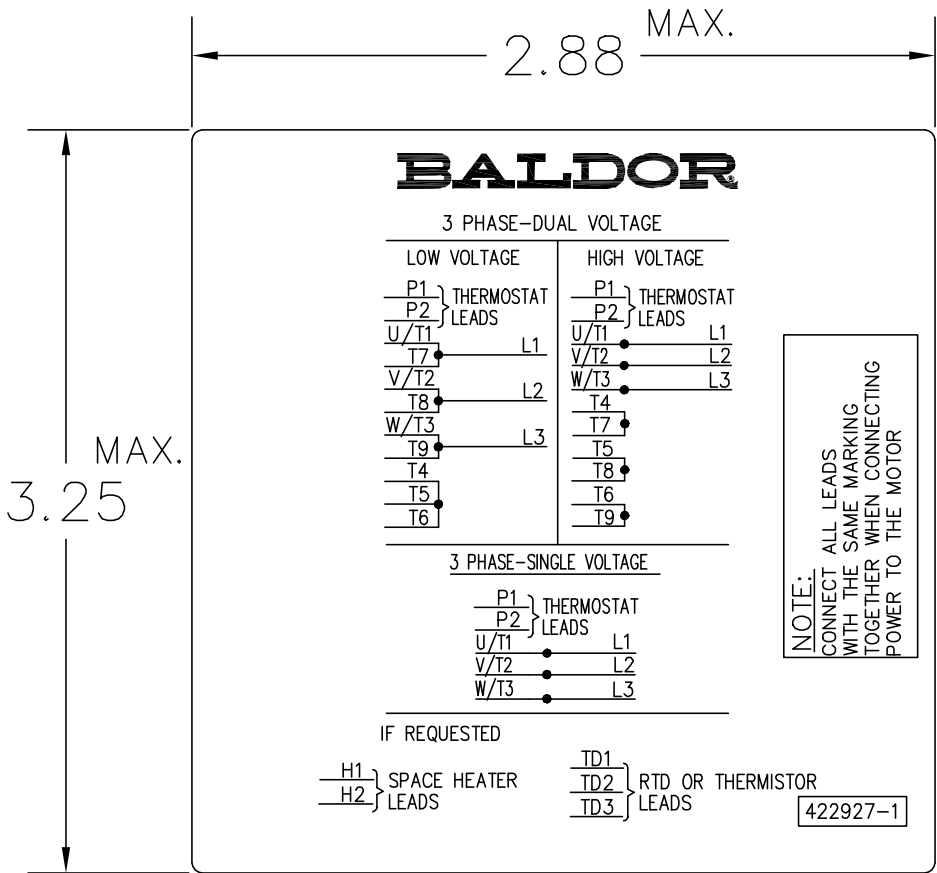
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**AC MOTOR
PERFORMANCE
DATA**

L9456A
 ISSUE DATE: 1-24-23



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