ABB BALDOR RELIANCE

Customer information packet

IDDRPM323004R1

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

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11/17/2026 2:16:17 AM

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			

SERIAL		VOLTS	460	ENCLOSURE	DPFV	WYE CONN EQ CKT OHMS PER PHASE (AT BASE RATING, 25°C)			
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	WK² (Lb-Ft²)	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

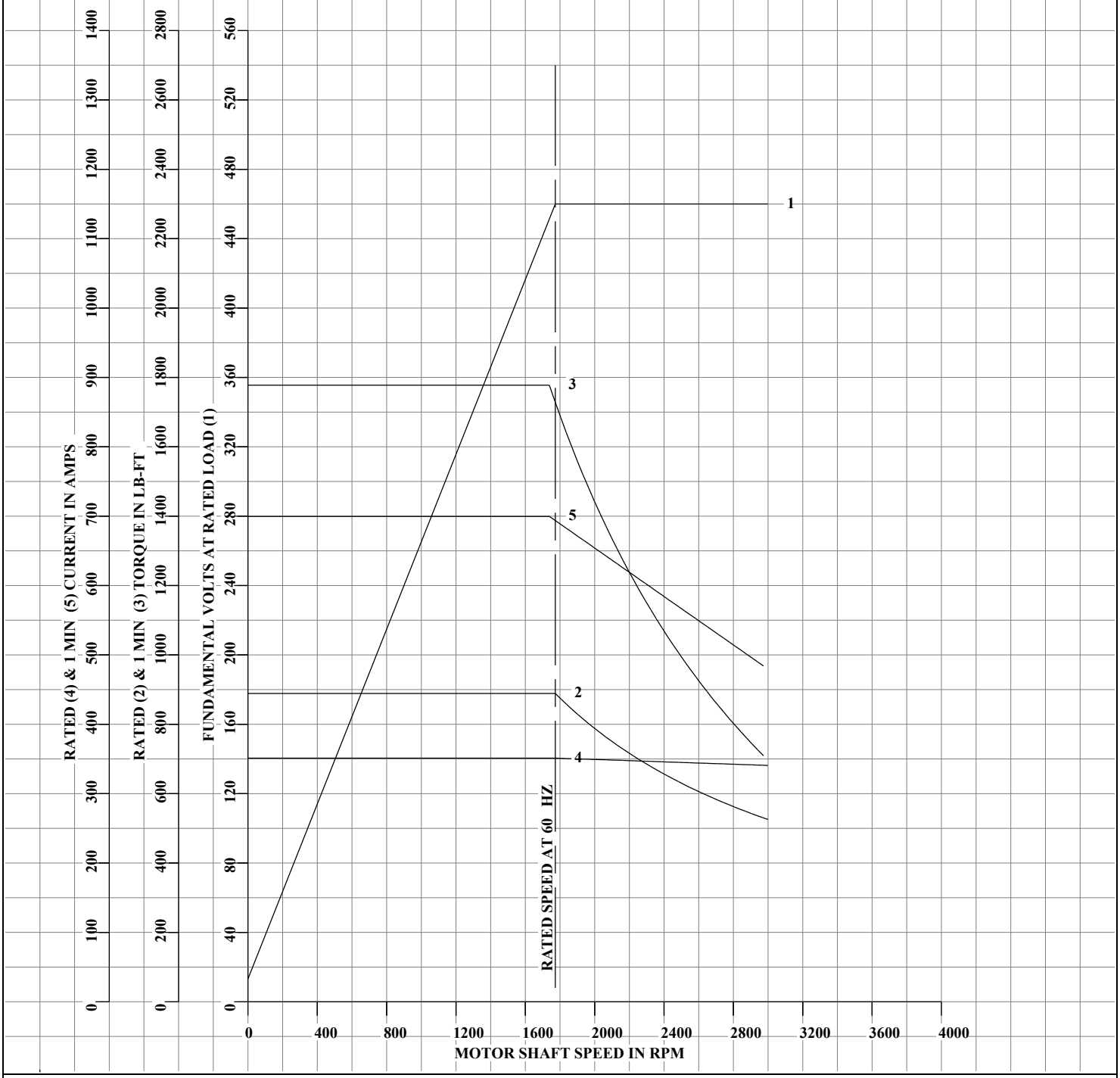
	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
NO LOAD	1800	0	0	460	60	127
1/4	1794	75.2	220	460	60	154
1/2	1787	150	441	460	60	207
3/4	1780	225	664	460	60	275
FULL LOAD	1773	300	889	460	60	351
0/L	1739	589	1778	460	60	700

REMARKS:
TYPICAL DATA
CORRELATED DATA

ABB	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 CONN EQ CKT OHMS PER PHASE (AT BASE RATING, 25°C)			
HP	300	AMPS	351	MAX SAFE SPEED	4000				
BASE SPEED	1770	DUTY	CONT	IM (AMPS)	120	R1	.0126	X1	.0749
PHASE/HZ	3/60	S.F.	1.0	P.F. @NL / FL	.039/.865	R2	.00856	X2	.0781
		AMB.°C / INSUL	40/H	WK² (Lb-Ft²)	24			XM	2.09

CORRELATED DATA
VARIABLE SPEED AC MOTOR CURVES



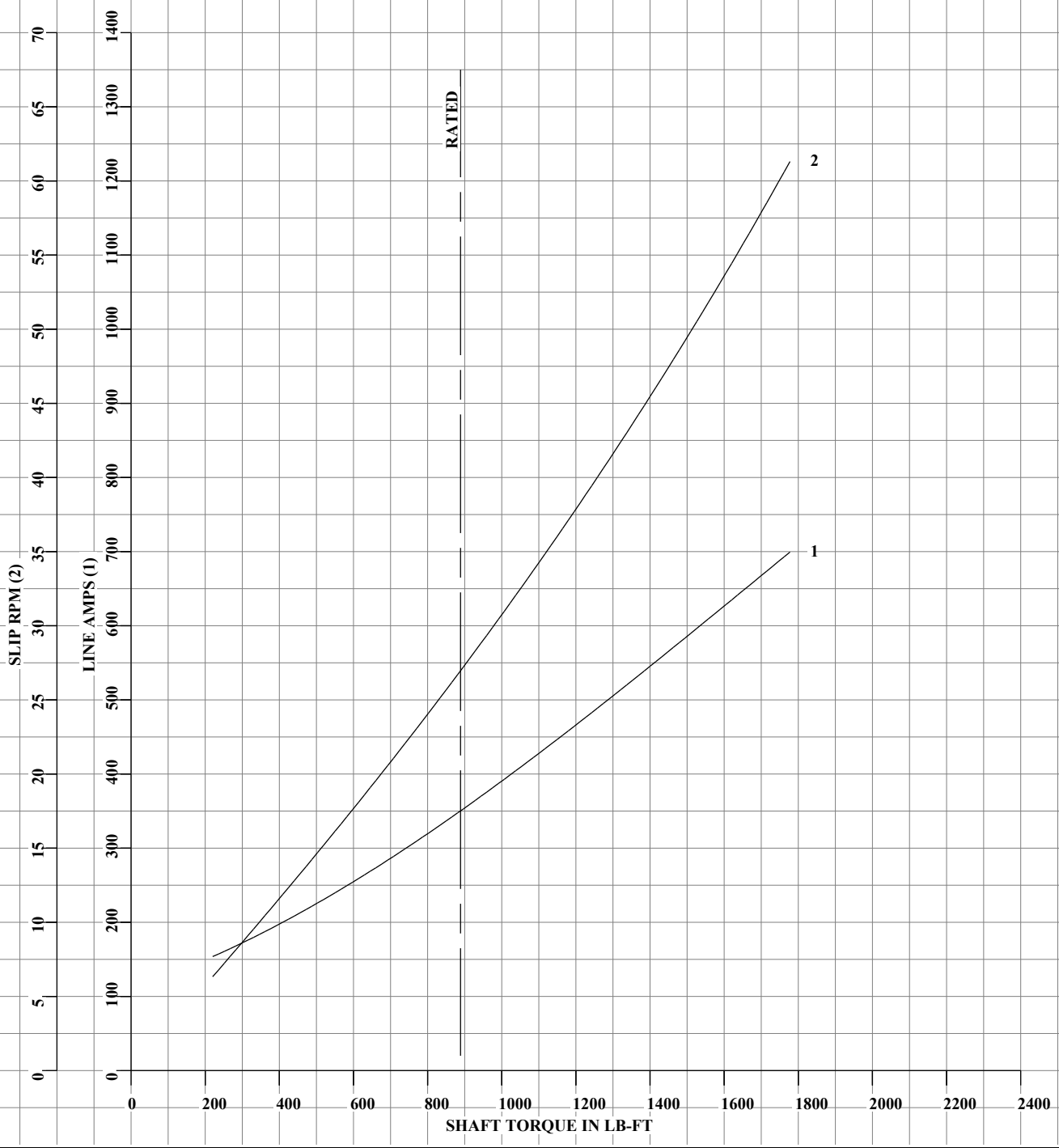
TYPICAL DATA, DATA VALID FOR NAMEPLATE SPEED RANGE ONLY

ABB	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 CONN EQ CKT OHMS PER PHASE (AT BASE RATING, 25°C)			
HP	300	AMPS	351	MAX SAFE SPEED	4000				
BASE SPEED	1770	DUTY	CONT	IM (AMPS)	120	R1	.0126	X1	.0749
PHASE/HZ	3/60	S.F.	1.0	P.F. @NL / FL	.039/.865	R2	.00856	X2	.0781
		AMB.°C / INSUL	40/H	WK² (Lb-Ft²)	24			XM	2.09

CORRELATED DATA

LOAD PERFORMANCE (CONSTANT V/HZ RANGE)



TYPICAL DATA, DATA VALID FOR NAMEPLATE SPEED RANGE ONLY

ABB	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

RPM-AC FINNED FRAME VARIABLE SPEED ALTERNATING CURRENT MOTOR
RL3213Z & URL3213Z

619695-001

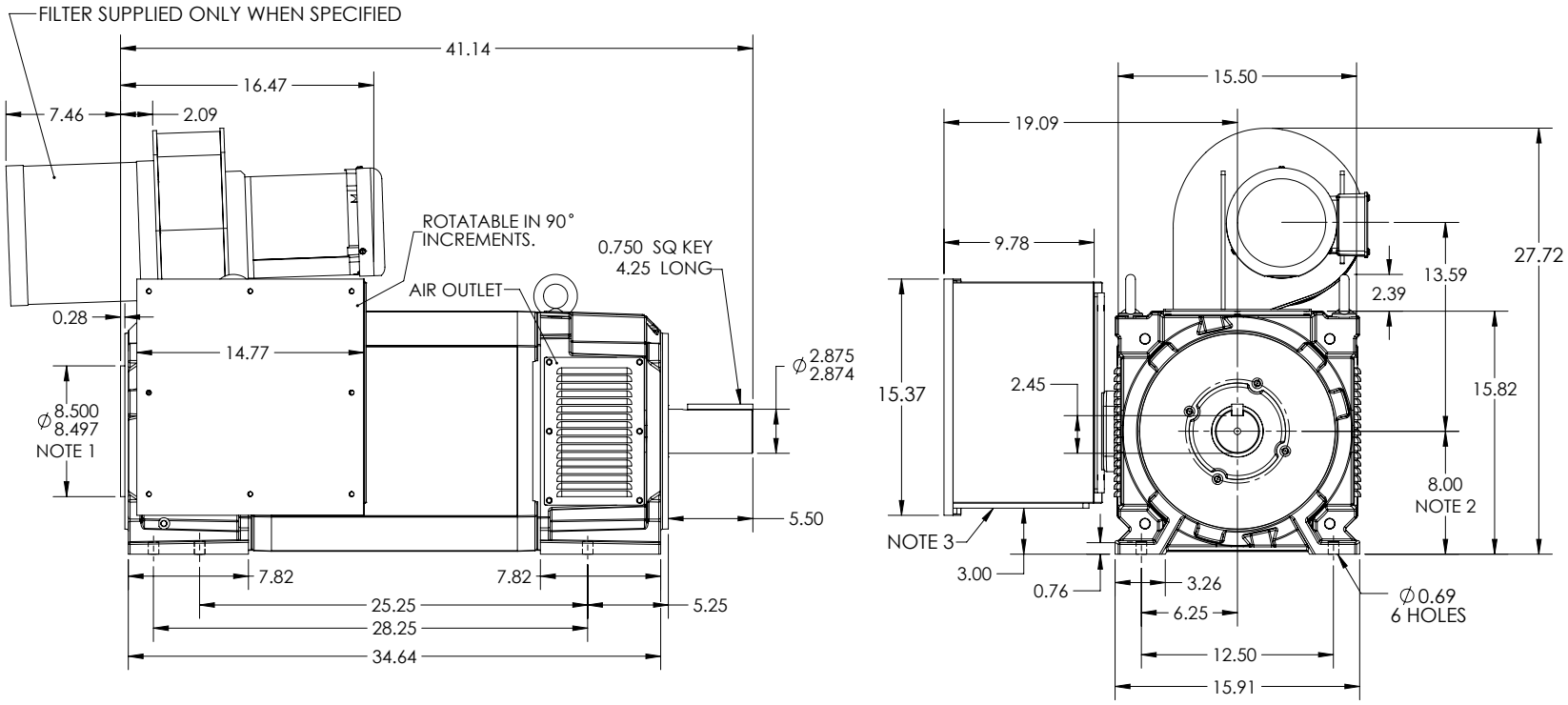
ENCLOSURE: DRIP PROOF

MOUNTING: FOOT

DRIVE METHOD: COUPLED OR BELTED

COOLING: FORCE VENTILATED

ACCESSORIES: PROVISIONS FOR TACHOMETER MOUNTING ONLY WHEN SPECIFIED



NOTES:

1. O.D.E. C-FACE & TACHOMETER MOUNTING. 1/2-13 TAP, 1.00 DEEP, ON A ∅7.25 B.C. FACE RUN OUT AND ECCENTRICITY 0.004 MAX. T.I.R.
2. SHAFT HEIGHT WILL NOT BE EXCEEDED. SHIMS UP TO 0.06 INCHES IN THICKNESS ARE USUALLY REQUIRED FOR COUPLED OR GEARED MACHINES.
3. REMOVABLE COVER PLATE FOR CUSTOMER DRILLING.

- TERMINAL BOX MAY BE LOCATED F1, F2 OR F3, IF SPECIFIED.
- REFER TO 616779-51 FOR SPECIFIED TACHOMETER DIMENSIONS.
- BLOWER ASSEMBLY CAN BE LOCATED F1, F2, OR F3, IF SPEC'D.
- BLOWER ASSEMBLY AND TERMINAL BOX CANNOT BE LOCATED AT THE SAME POSITION.

DIMENSIONS ARE IN INCHES

MOTOR WEIGHT: 1470 LBS. (MAY VARY 15% FOR NON-STANDARD RATINGS AND / OR ACCESSORIES.)

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION

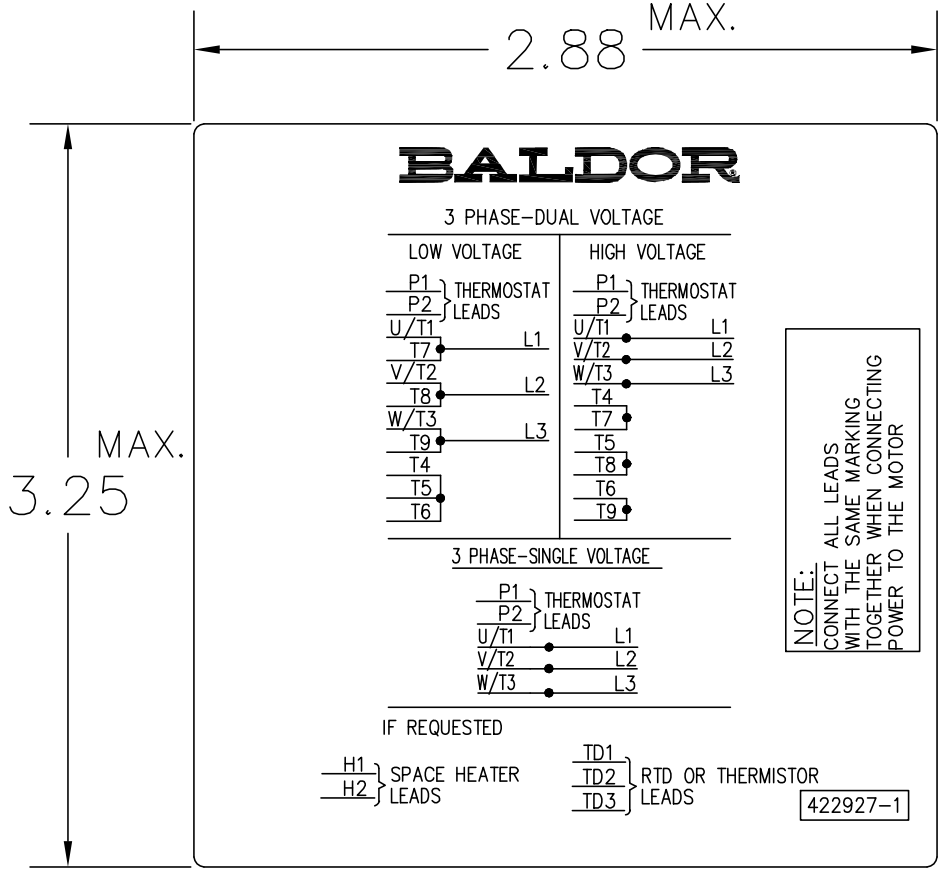
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REV: C	VERSION: 03	REVISED: 09:02:04 08/23/2017	TDR: 000001040410
MODEL NO. 619695-001			REF: -
BY: RGGWT			B

BALDOR

DIM SHT,RL/URL3213Z,FOOTED,RPM-AC,DP FV

619695-001

422927–001



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

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			BALDOR
REV. LTR: B	VERSION: 02	TDR: 000000788708	
FILE: \RGG\00000\203		REVISED: 08:09:29 03/04/2013	EXTERNAL CONNECTION LABEL
MTL: –		BY: RGGWT	SH 1 of 1