

ABB BALDOR RELIANCE III

Customer information packet

IDDRPM5815006

1500HP, 1150, 690V, RL5835, DPFV, F1

Specifications

Enclosure	DPFV
Frame	RL5835Z
Frame Material	Exposed Laminations
Frequency	40.00 Hz
Output @ Frequency	1500.000 HP @ 40 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 40 HZ
Voltage @ Frequency	690.0 V @ 40 HZ
Agency Approvals	CCSA US
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	1155.000 A @ 690.0 V
Duty Rating	CONT
Feedback Device	NO FEEDBACK
Frame Prefix	RL
Heater Indicator	No Heater
High Voltage Full Load Amps	1155.0 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	1187 rpm
Starting Method	Full Voltage

Part Detail

Revision	-
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	L9912A
Layout	627004-001
Eff. date	08-15-2025
CD Diagram	422927-001
Poles	04
Leads	
Proprietary	False
Created date	07-18-2025

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

Nameplate

000613006MY									
	DUTY	HP	RPM	AMPS	VOLTS	HZ			
	CONT	1500	1187		1155	690	40		
CAT.NO.	IDDRPM5815006		SPEC. NO.		R58-A000-0004				
SER.NO			FR	RL5835Z	INSUL	H			
PH.	3	MAX SAFE SPEED		2100	AMB.	40	MIN. AMB.		-25
DESIGN NO.	L9912A	TYPE			ENCL.	DPG-FV			
S.F.	1.00	D.E. BRG.		130BC02J30X					
ENCL MOD			O.D.E. BRG.		6224/C3J20AA				
	IP23								

FRAME	RL5835	AMPS	1155	MAX SAFE SPEED	2100				
HP	1500	DUTY	CONT	IM (AMPS)	434	R1	.00322	X1	.0341
BASE SPEED	1187	S.F.	1.0	P.F. @NL / FL	.020/.861	R2	.00267	X2	.0326
PHASE/HZ	3/40	AMB.°C / INSUL	40/H	WK ² (Lb-Ft ²)	388			XM	.930

RATED FULL LOAD DATA

	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
BASE SPEED	1187	1500	6633	690	40	1155
MAX SPEED	1187	1500	6633	690	40	1155
MIN SPEED	0	0	6633	10.8	.428	1155

LOAD PERFORMANCE AT BASE SPEED

	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
NO LOAD	1200	0	0	690	40	434
1/4	1197	375	1646	690	40	510
1/2	1194	749	3296	690	40	683
3/4	1191	1124	4957	690	40	905
FULL LOAD	1187	1499	6633	690	40	1155
0/L	1171	2959	13265	690	40	2361

REMARKS:
TYPICAL DATA

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

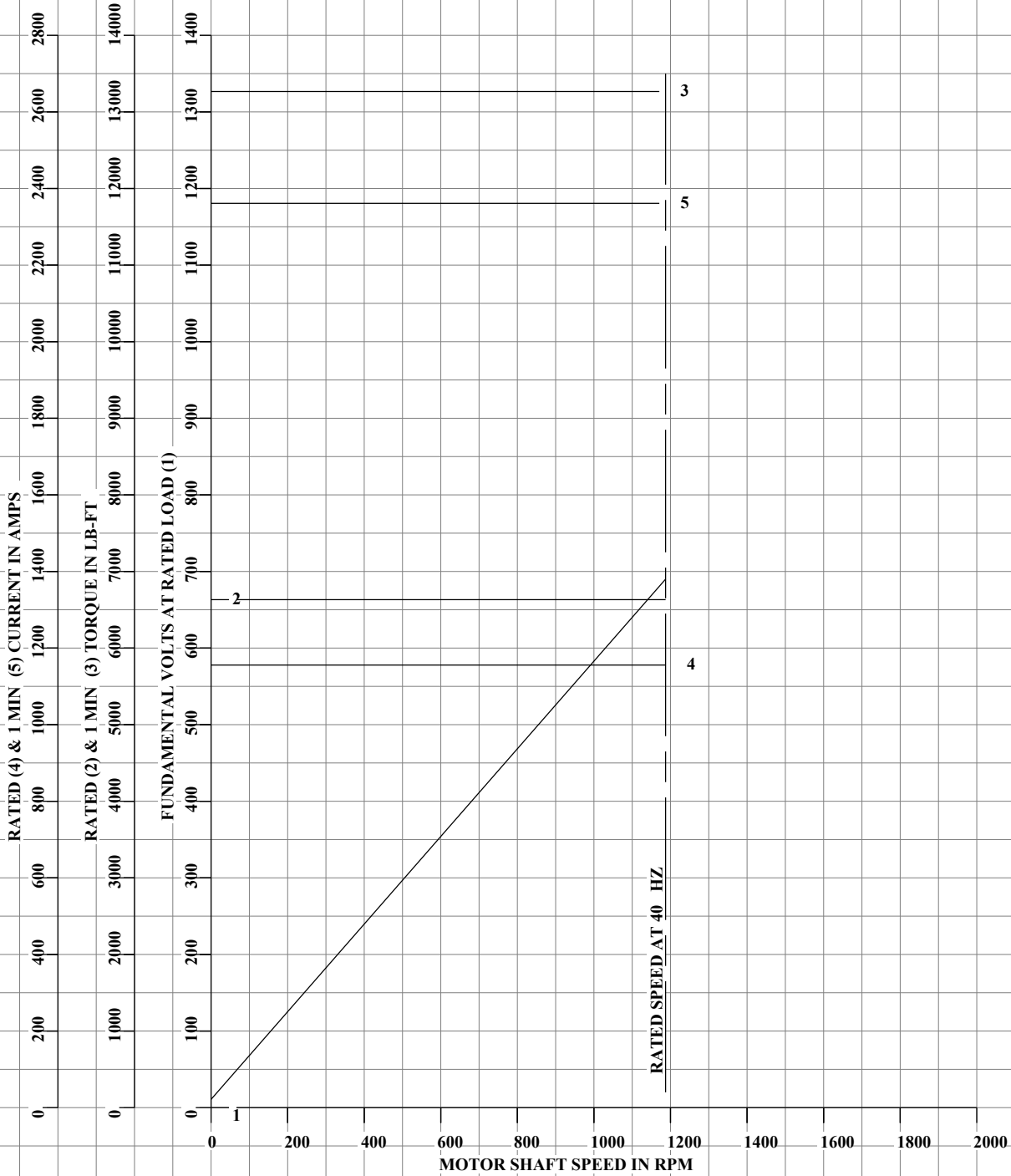
AC MOTOR
PERFORMANCE
DATA

L9912A

ISSUE DATE 07-07-25

FRAME	RL5835	VOLTS	690	ENCLOSURE	DPFV	WYE CONNEQ CKT OHMS PER PHASE (AT BASE RATING, 25°C)		
HP	1500	AMPS	1155	MAX SAFE SPEED	2100	R1	.00322	X1 .0341
BASE SPEED	1187	DUTY	CONT	IM (AMPS)	434	R2	.00267	X2 .0326
PHASE/HZ	3/40	S.F.	1.0	P.F. @NL / FL	.020/.861			XM .930
		AMB.°C / INSUL	40/H	WK ² (Lb-Ft ²)	388			

VARIABLE SPEED AC MOTOR CURVES



TYPICAL DATA, DATA VALID FOR NAMEPLATE SPEED RANGE ONLY



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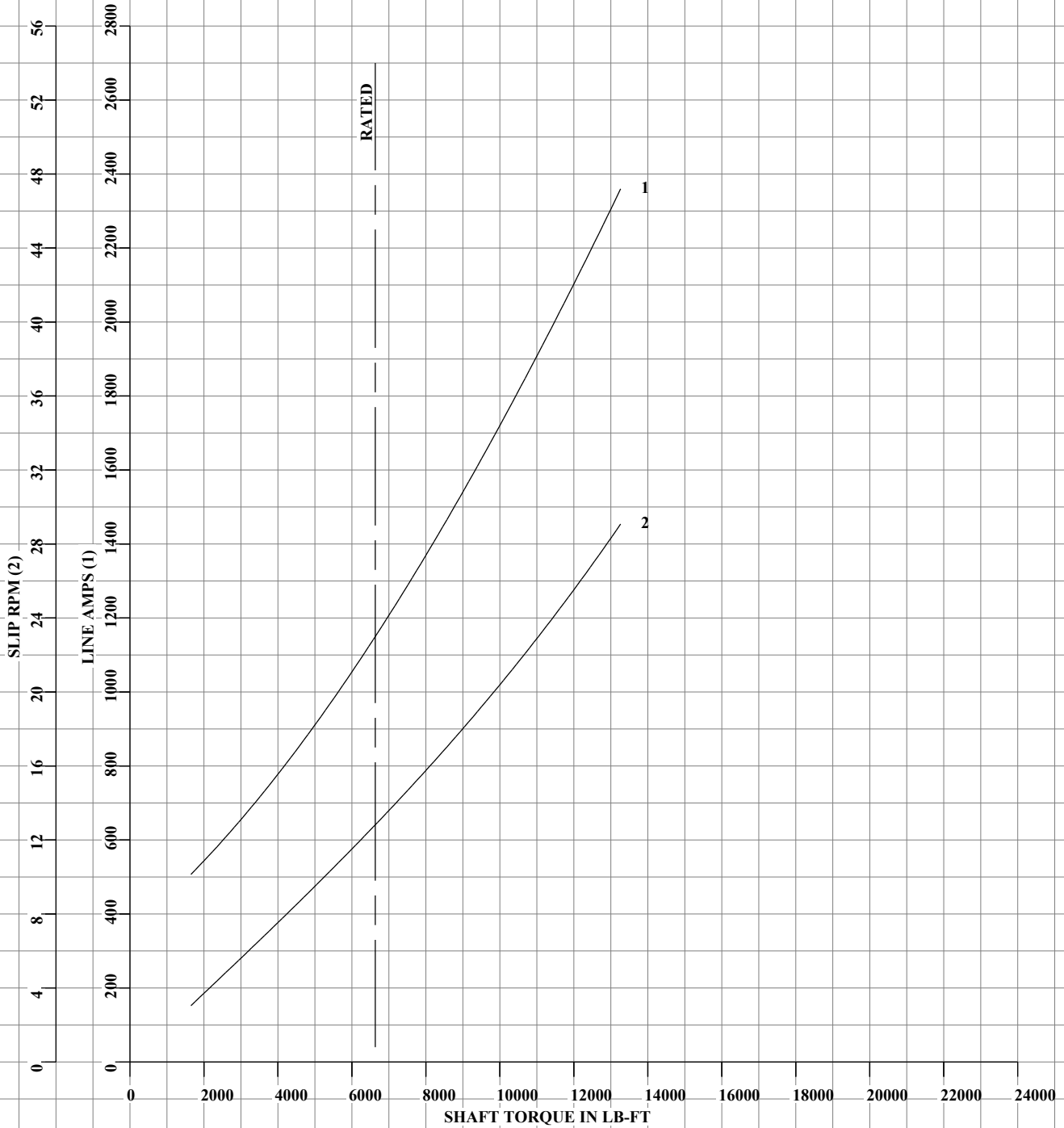
**AC MOTOR
PERFORMANCE
DATA**

L9912A

ISSUE DATE: 07-07-25

FRAME	RL5835	VOLTS	690	ENCLOSURE	DPFV	WYE CONNEQ CKT OHMS PER PHASE (AT BASE RATING, 25°C)		
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BASE SPEED	1187	DUTY	CONT	IM (AMPS)	434	R2	.00267	X2 .0326
PHASE/HZ	3/40	S.F.	1.0	P.F. @NL / FL	.020/.861			XM .930
		AMB.°C / INSUL	40/H	WK ² (Lb-Ft ²)	388			

LOAD PERFORMANCE (CONSTANT V/HZ RANGE)



TYPICAL DATA, DATA VALID FOR NAMEPLATE SPEED RANGE ONLY

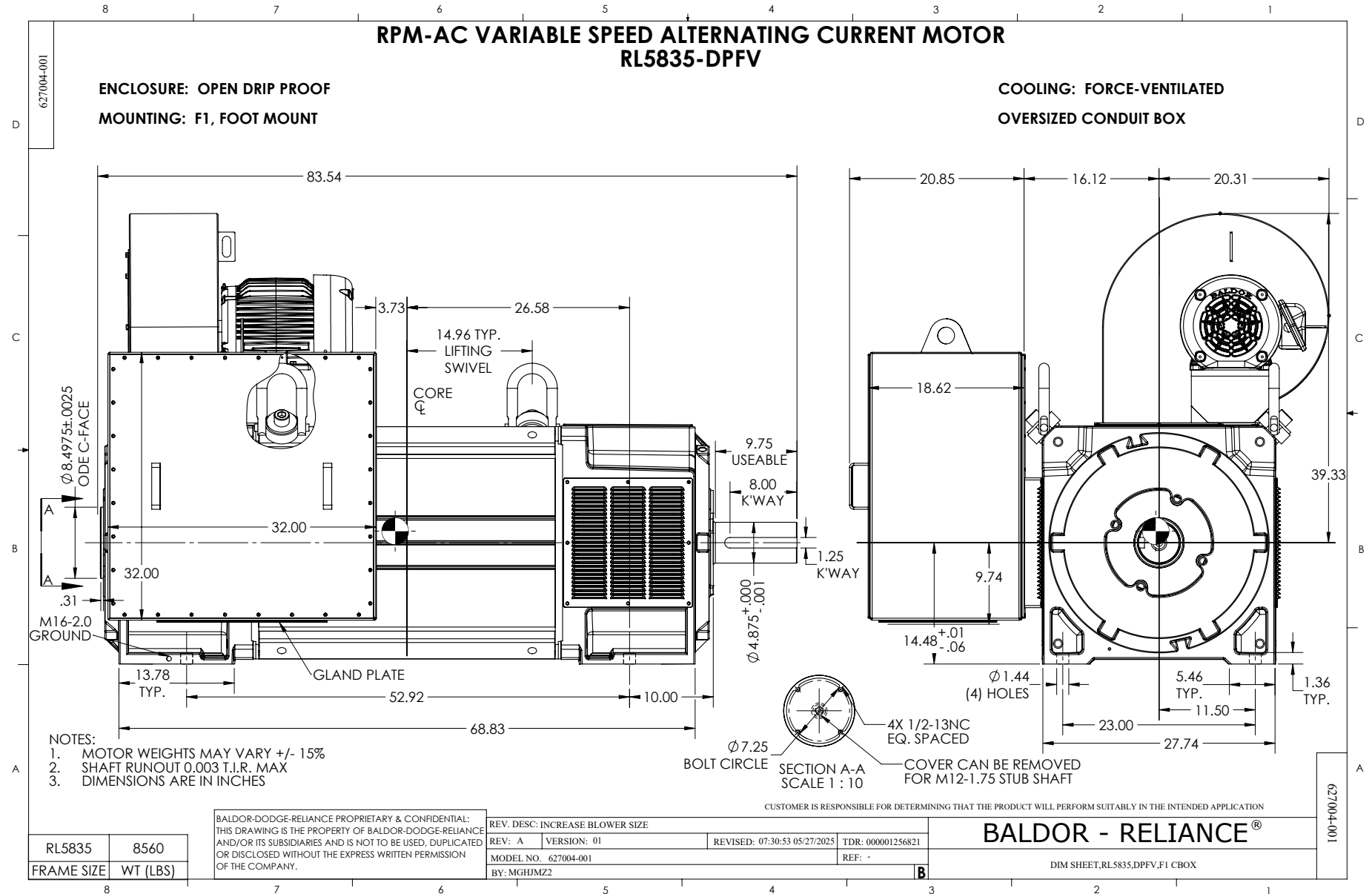


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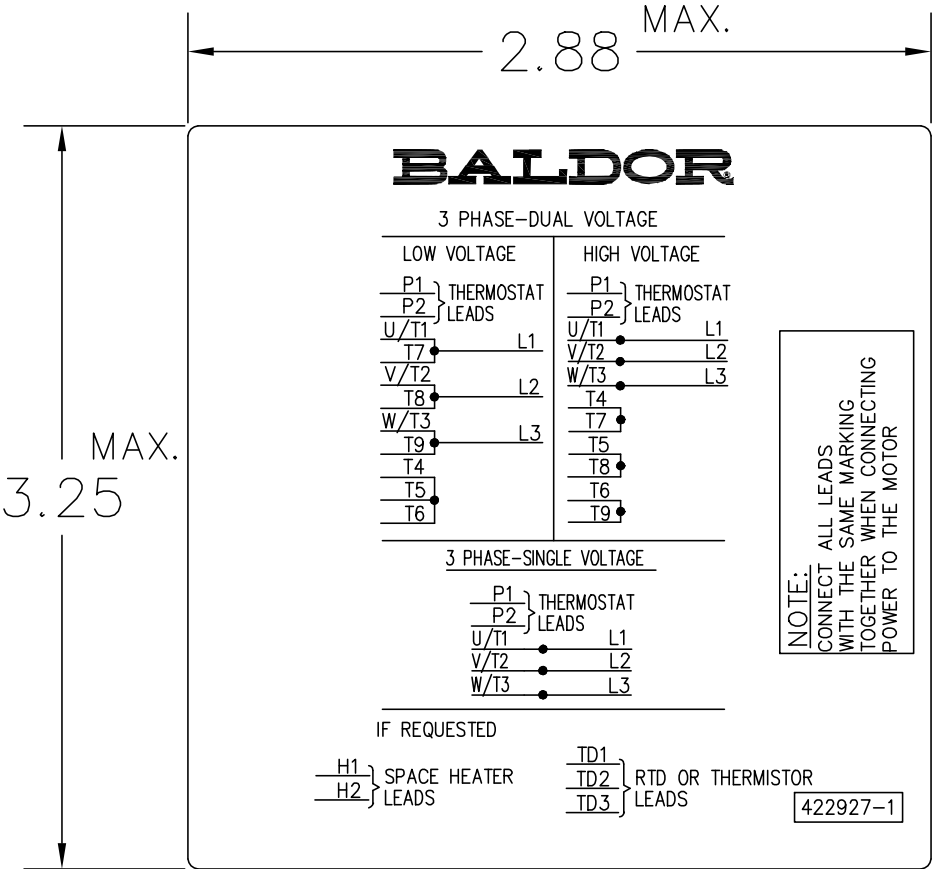
AC MOTOR
 PERFORMANCE
 DATA

L9912A

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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