

ABB BALDOR RELIANCE III

Customer information packet

IDDRPM363504R2

350HP, 1750, 460V, RL3614, DPFV, F1

Specifications

Enclosure	DPFV
Frame	RL3614Z
Frame Material	Exposed Laminations
Frequency	60.00 Hz
Output @ Frequency	350.000 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	398.000 A @ 460.0 V
Duty Rating	CONT
Feedback Device	ENCODER
Frame Prefix	RL
Heater Indicator	No Heater
High Voltage Full Load Amps	398.0 a
Insulation Class	H
IP Rating	NONE
Motor Standards	NEMA
Mounting Arrangement	F1
Overall Length	52.70 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	1777 rpm
Starting Method	Full Voltage

Part Detail

Revision	C
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	L9457A
Layout	619684-001
Eff. date	12-16-2025
CD Diagram	422927-001
Poles	04
Leads	
Proprietary	False
Created date	02-22-2023

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

Nameplate

000613006MY									
	DUTY	HP	RPM	AMPS	VOLTS	HZ			
	CONT	350	1777		398	460		60	
	CONT	350	2221		391	460		75	
	CONT	350	2960		401	460		100	
CAT.NO.	IDDRPM363504R2			SPEC. NO.	R36-A000-0265				
SER.NO				FR	RL3614Z	INSUL	H		
PH.	3	MAX SAFE SPEED			3750	AMB.	40	MIN. AMB.	-25
DESIGN NO.	L9457A			TYPE		ENCL.	DPG-FV		
S.F.	1.00			D.E. BRG.	95BC02J30X				
ENCL MOD				O.D.E. BRG.	6316/C3VL0241				
	IP23								

FRAME	RL3614	AMPS	398	MAX SAFE SPEED	3750				
HP	350	DUTY	CONT	IM (AMPS)	120	R1	.00993	X1	.0734
BASE SPEED	1777	S.F.	1.0	P.F. @NL / FL	.039/.884	R2	.00590	X2	.0759
PHASE/HZ	3/60	AMB.°C / INSUL	40/H	WK ² (Lb-Ft ²)	44			XM	2.25

RATED FULL LOAD DATA

	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
BASE SPEED	1776	350	1034	460	60	401
MAX SPEED	2957	350	622	460	100	403
MIN SPEED	0	0	1034	12.6	.789	401

LOAD PERFORMANCE AT BASE SPEED

	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
NO LOAD	1800	0	0	460	60	117
1/4	1795	87.8	257	460	60	153
1/2	1789	175	514	460	60	223
3/4	1783	262	773	460	60	308
FULL LOAD	1776	350	1034	460	60	401
0/L	1744	687	2069	460	60	839

REMARKS:
TYPICAL DATA
CORRELATED DATA

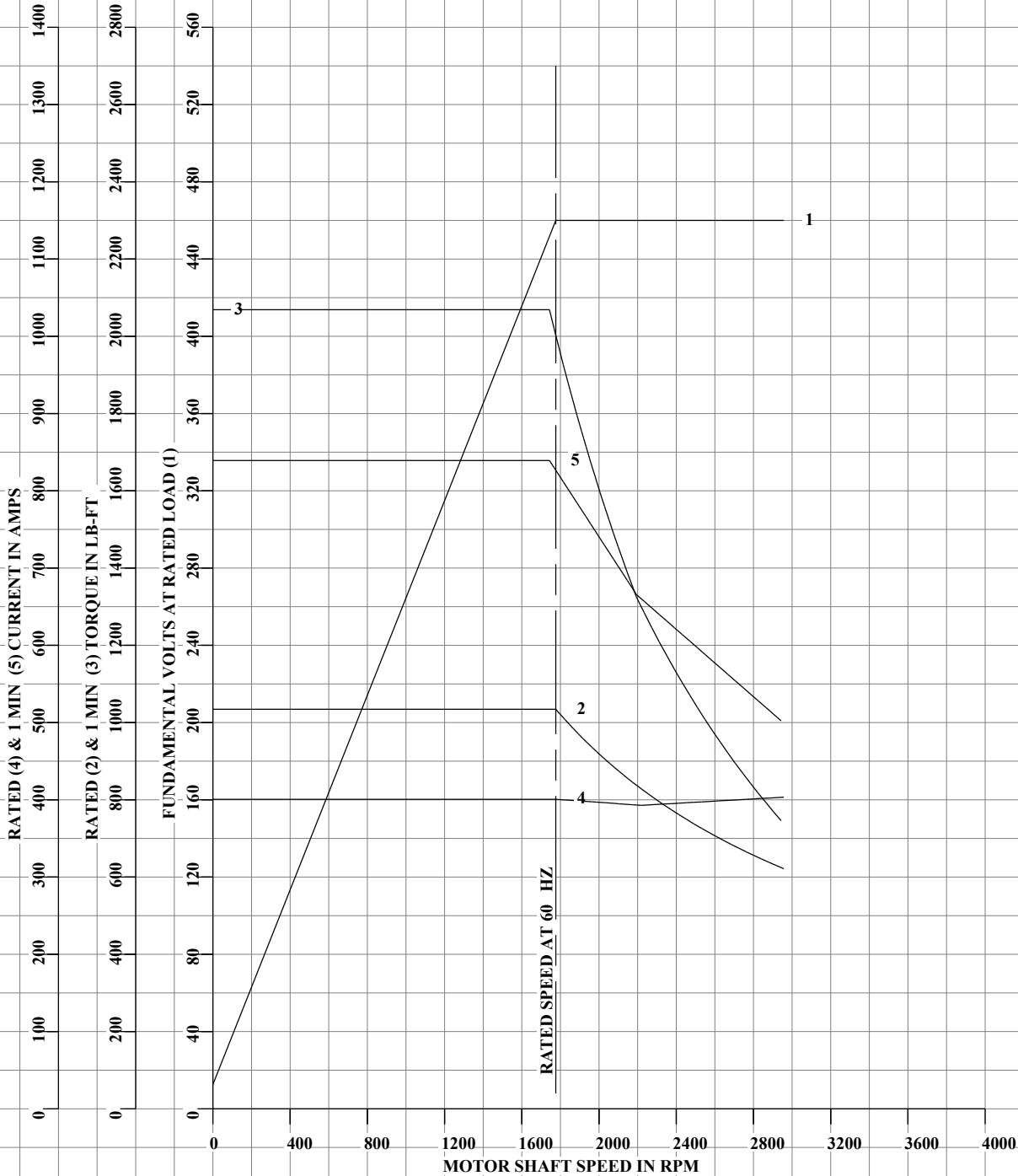

DRAWN BY: A. BROOKINS
CHECKED BY: B. GRANT
APPROVED BY: J. MARTIN
DATE: 3-14-23

**AC MOTOR
PERFORMANCE
DATA**

L9457A
ISSUE DATE 3-14-23

FRAME	RL3614	VOLTS	460	ENCLOSURE	DPFV	WYE CONN	EQ CKT OHMS PER PHASE
HP	350	AMPS	398	MAX SAFE SPEED	3750	(AT BASE RATING, 25°C)	
BASE SPEED	1777	DUTY	CONT	IM (AMPS)	120	R1	.00993 X1 .0734
PHASE/HZ	3/60	S.F.	1.0	P.F. @NL / FL	.039/.884	R2	.00590 X2 .0759
		AMB.°C / INSUL	40/H	WK ² (Lb-Ft ²)	44		XM 2.25

**CORRELATED DATA
VARIABLE SPEED AC MOTOR CURVES**



TYPICAL DATA, DATA VALID FOR NAMEPLATE SPEED RANGE ONLY



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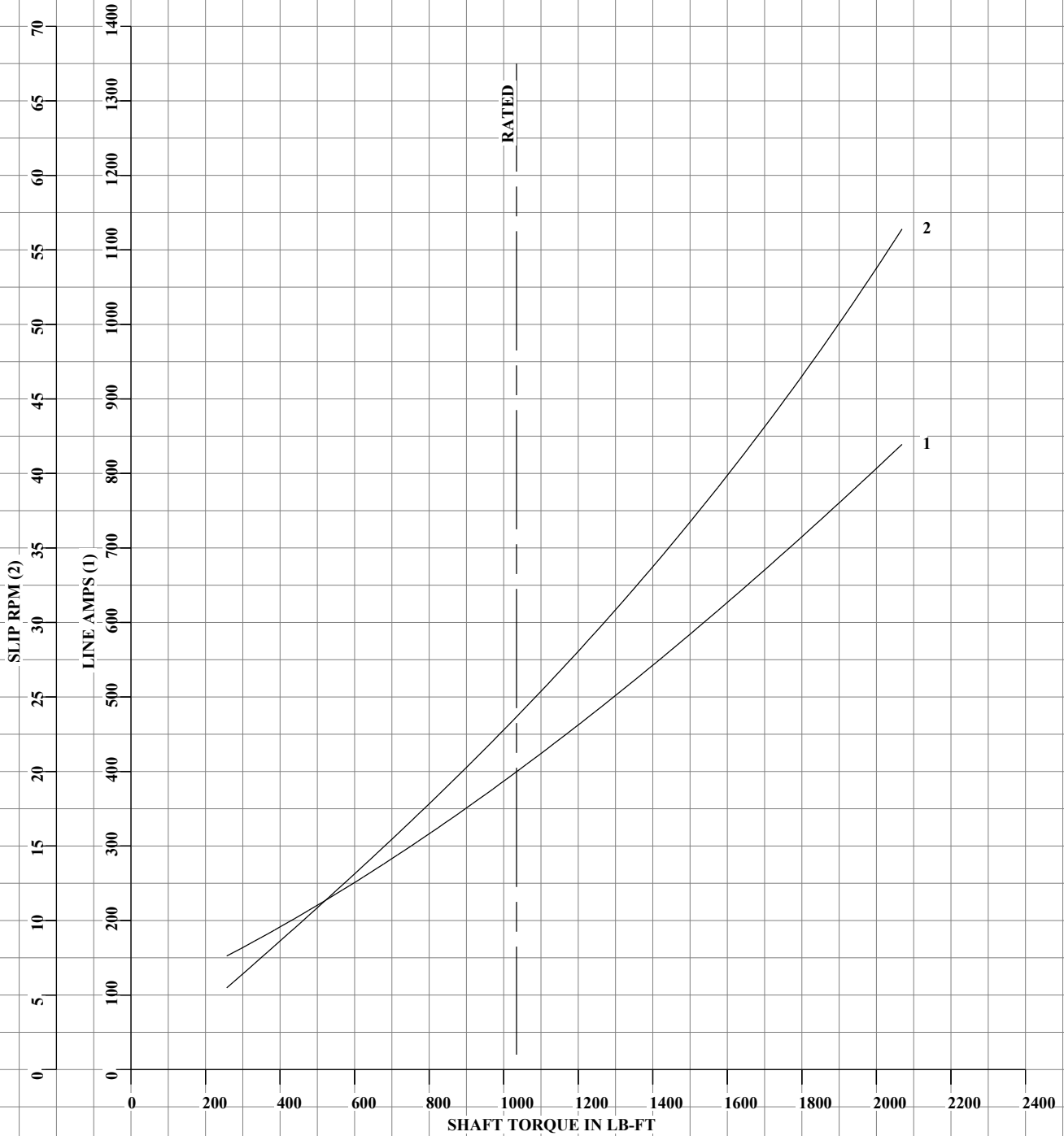
**AC MOTOR
PERFORMANCE
DATA**

L9457A

ISSUE DATE: 3-14-23

FRAME	RL3614	VOLTS	460	ENCLOSURE	DPFV	WYE CONN EQ CKT OHMS PER PHASE (AT BASE RATING, 25°C)		
HP	350	AMPS	398	MAX SAFE SPEED	3750	R1	.00993	X1 .0734
BASE SPEED	1777	DUTY	CONT	IM (AMPS)	120	R2	.00590	X2 .0759
PHASE/HZ	3/60	S.F.	1.0	P.F. @NL / FL	.039/.884			XM 2.25
		AMB.°C / INSUL	40/H	WK² (Lb-Ft²)	44			

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



TYPICAL DATA, DATA VALID FOR NAMEPLATE SPEED RANGE ONLY

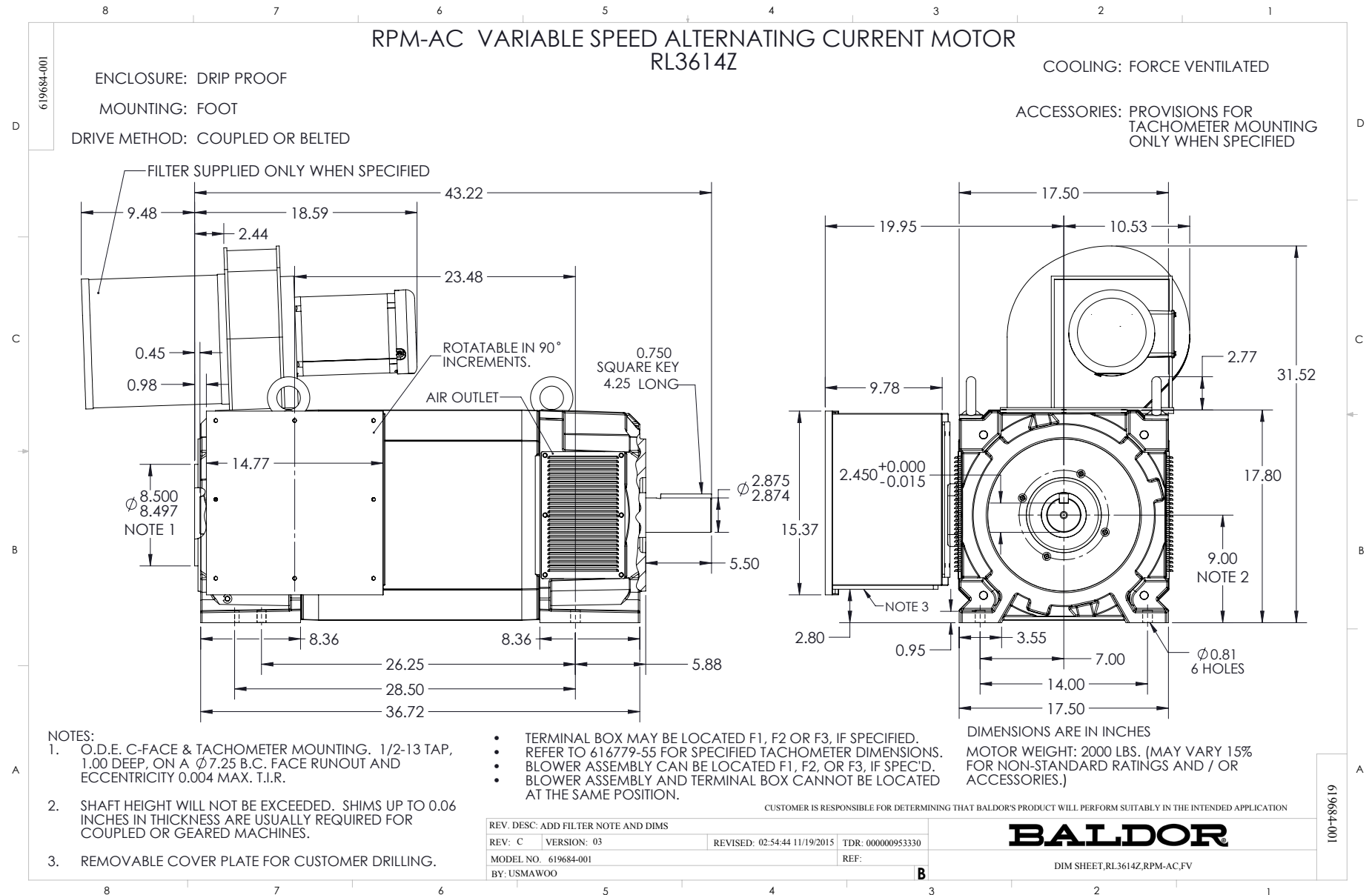


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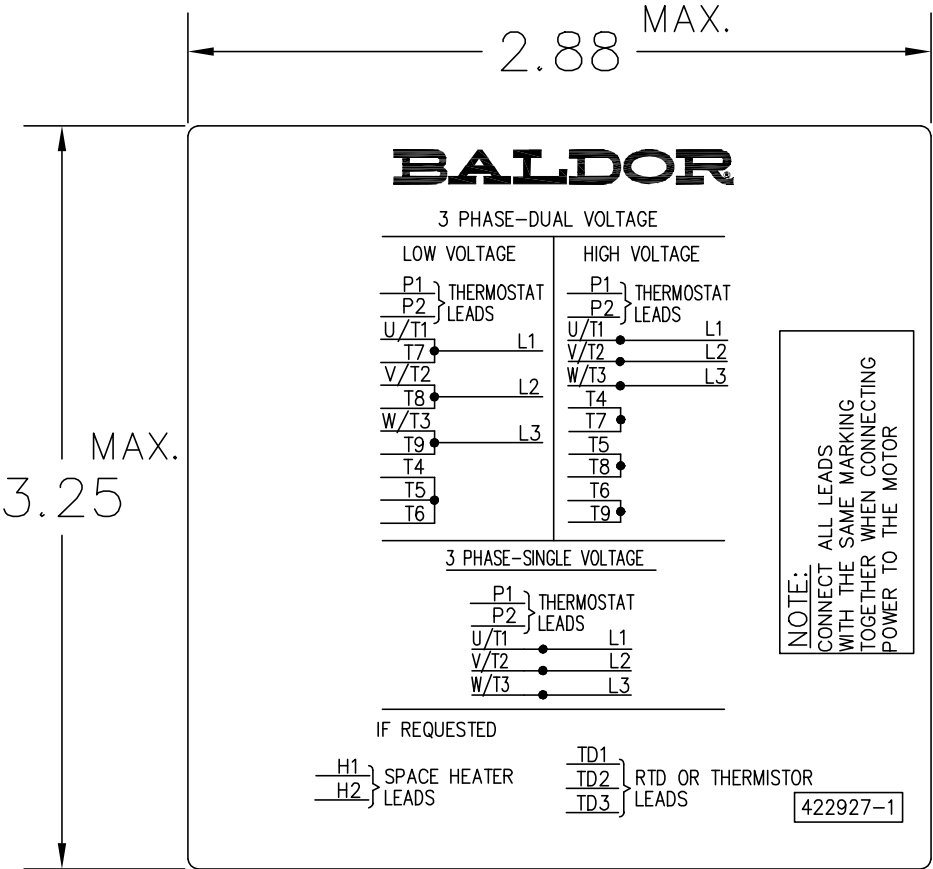
**AC MOTOR
PERFORMANCE
DATA**

L9457A

ISSUE DATE: 3-14-23



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