

ABB BALDOR RELIANCE III

Customer information packet

IDDRPM449004R1

900HP, 1750, 460V, RL4461, DPFV, F1

Specifications

Enclosure	DPFV
Frame	RL4461Z
Frame Material	Exposed Laminations
Frequency	90.00 Hz
Output @ Frequency	900.000 HP @ 90 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 90 HZ
Voltage @ Frequency	460.0 V @ 90 HZ
Agency Approvals	CCSA US
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	1077.000 A @ 460.0 V
Duty Rating	CONT
Feedback Device	ENCODER
Frame Prefix	RL
Heater Indicator	No Heater
High Voltage Full Load Amps	1077.0 a
Insulation Class	H
IP Rating	NONE
Motor Standards	NEMA
Mounting Arrangement	F1
Overall Length	64.64 IN
Product Family	General Industrial
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.00
Shaft Diameter	4.250 IN
Shaft Ground Indicator	Shaft Grounding
Shaft Rotation	Reversible
Speed	1785 rpm
Starting Method	Full Voltage

Part Detail

Revision	A
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	L9465A
Layout	617602-001
Eff. date	03-23-2023
CD Diagram	422927-001
Poles	06
Leads	
Proprietary	False
Created date	02-28-2023

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

Nameplate

000613006MY									
	DUTY	HP	RPM	AMPS	VOLTS	HZ			
	CONT	900	1785		1077	460	90		
	CONT	900	2625		1073	460	132.4		
CAT.NO.	IDDRPM449004R1		SPEC. NO.		R44-A000-0226				
SER.NO			FR	RL4461Z	INSUL	H			
PH.	3	MAX SAFE SPEED		2700	AMB.	40	MIN. AMB.	-25	
DESIGN NO.	L9465A	TYPE			ENCL.	DPG-FV			
S.F.	1.00	D.E. BRG.		110BC02J30X					
ENCL MOD			O.D.E. BRG.		6222/C3VL0241				
	IP23								

FRAME	RL4461	AMPS	1077	MAX SAFE SPEED	2700				
HP	900	DUTY	CONT	IM (AMPS)	385	R1	.00181	X1	.0288
BASE SPEED	1785	S.F.	1.0	P.F. @NL / FL	.028/.827	R2	.00145	X2	.0420
PHASE/HZ	3/90	AMB.°C / INSUL	40/H	WK ² (Lb-Ft ²)	207			XM	.684

RATED FULL LOAD DATA

	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
BASE SPEED	1785	900	2648	460	90	1077
MAX SPEED	2624	901	1802	460	132.4	1073
MIN SPEED	0	0	2648	5.78	.7362	1077

LOAD PERFORMANCE AT BASE SPEED

	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
NO LOAD	1800	0	0	460	90	385
1/4	1797	225	659	460	90	461
1/2	1793	450	1319	460	90	633
3/4	1789	675	1981	460	90	843
FULL LOAD	1785	900	2648	460	90	1077
0/L	1767	1693	5031	460	90	2073

REMARKS:

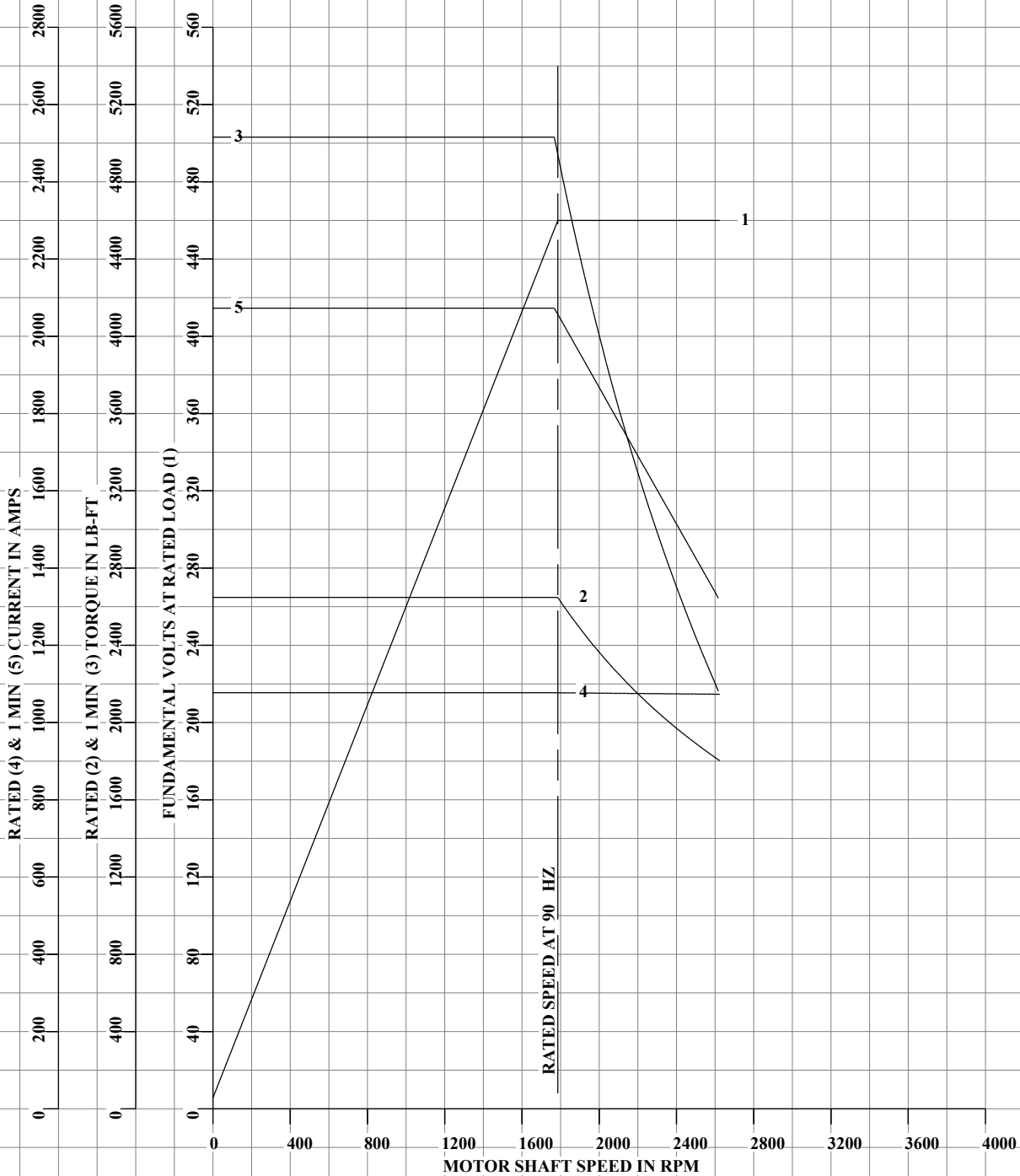

DRAWN BY: A. BROOKINS
CHECKED BY: R.GARCIA
APPROVED BY: J. MARTIN
DATE: 3-20-23

**AC MOTOR
PERFORMANCE
DATA**

L9465A
ISSUE DATE 3-20-23

FRAME	RL4461	VOLTS	460	ENCLOSURE	DPFV	WYE CONNEQ CKT OHMS PER PHASE (AT BASE RATING, 25°C)		
HP	900	AMPS	1077	MAX SAFE SPEED	2700	R1	.00181	X1 .0288
BASE SPEED	1785	DUTY	CONT	IM (AMPS)	385	R2	.00145	X2 .0420
PHASE/HZ	3/90	S.F.	1.0	P.F. @NL / FL	.028/.827			XM .684
		AMB.°C / INSUL	40/H	WK ² (Lb-Ft ²)	207			

VARIABLE SPEED AC MOTOR CURVES



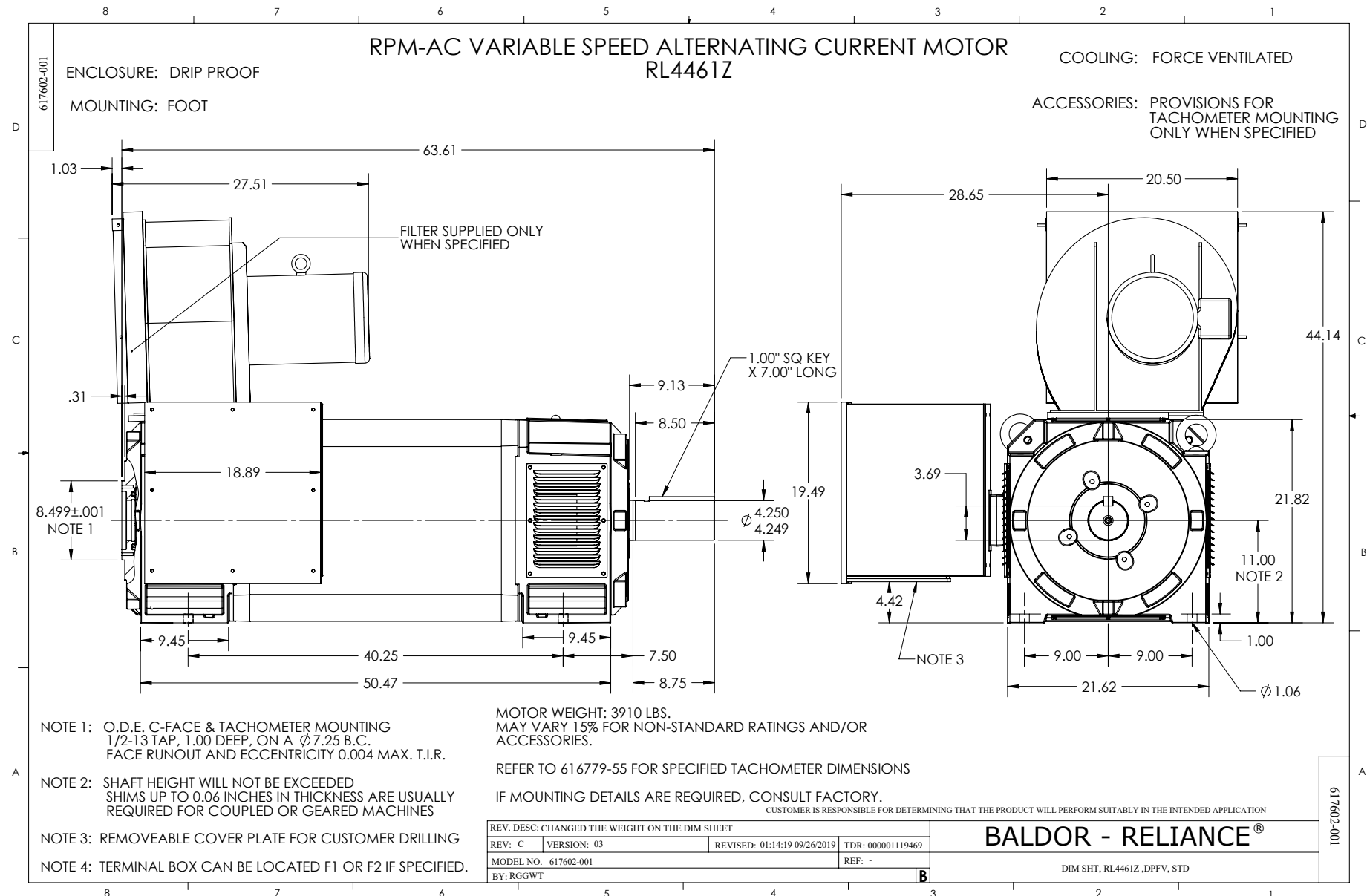
DATA VALID FOR NAMEPLATE SPEED RANGE ONLY



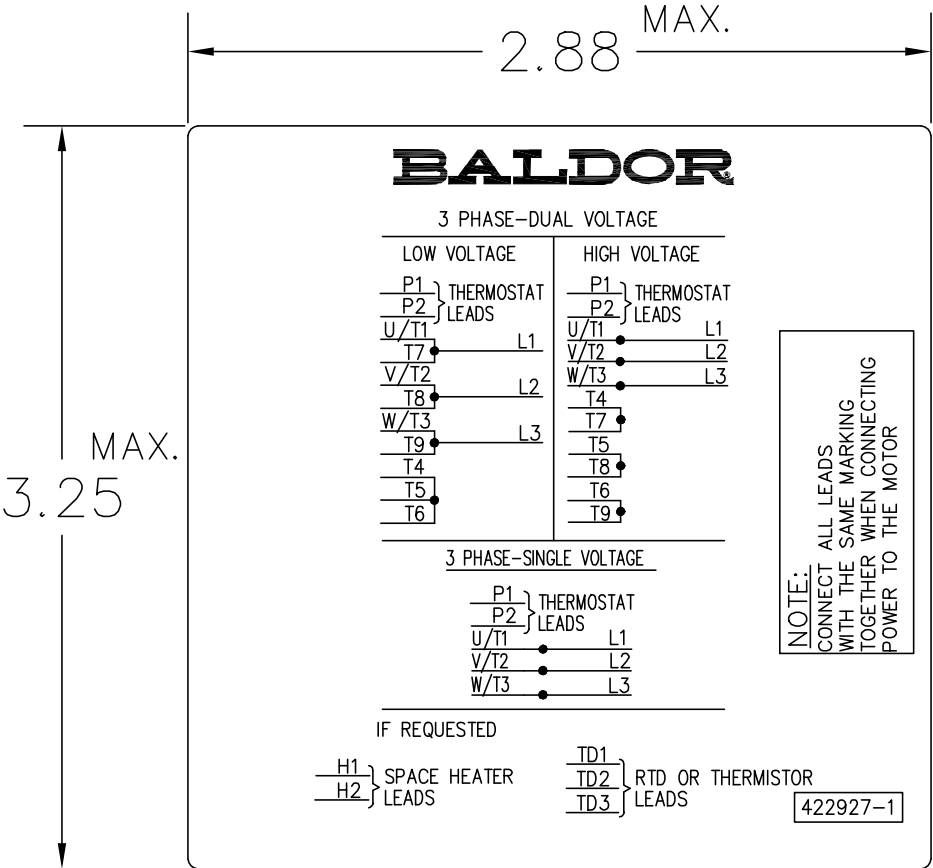
DRAWN BY: A. BROOKINS
 CHECKED BY: R.GARCIA
 APPROVED BY: J. MARTIN
 DATE: 3-20-23

**AC MOTOR
PERFORMANCE
DATA**

L9465A
 ISSUE DATE: 3-20-23



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