

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				

Parts List

Part number	Description	Quantity
WS406122	WS R32-A000-0406	1.000 ea
RA402635	RA R32-A000-0406	1.000 ea
033775004EA	DRSCR #6-1/4 304 S.S.	4.000 ea
000613006MY	NP-RPMAC INVERTER DUTY	1.000 ea
LB1613	LABEL, QR CODE, ADHESIVE LABEL	1.000 ea
000692000XM	LABEL QR CODE	1.000 ea
422927001	C/D LABEL	1.000 ea
004824007AB	PAINT,XT	0.100 ea
807530028AA	BRKT, ODE RL320 **UNFINISH** DO NOT SELL	1.000 ea
807530003AA	BRKT, DE RL320	1.000 ea
BP5068BJ01	BRUSH, .187 X .187 X 1.00	2.000 ea
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 ea
004824015A	GREASE POLYREX EM	0.950 lb
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 ea
400638001AD	WAVEN - 400 (Customer number 43699)	1.000 ea
036000016DB	HHCS	4.000 ea
418150003A	GREASE FITTING CAP	2.000 ea
035000001A	ALFTG 1/8" 1610-BL	1.000 ea
035000001A	ALFTG 1/8" 1610-BL	1.000 ea
036100090KA	HSHCS BRACKET LE	4.000 ea
036100090KA	HSHCS BRACKET LE	4.000 ea
036140001E	EYEBOLT	2.000 ea
034690002AL	1/4 SQ.HD.PIPE PLUG	1.000 ea
034690002AL	1/4 SQ.HD.PIPE PLUG	1.000 ea
036500013AB	M16 X 2.0 HX NUT,ODE BRKT 304589	4.000 ea
036500013AB	M16 X 2.0 HX NUT,ODE BRKT 304589	4.000 ea
BP5248	BP5248	2.000 ea
708532004A	L320 AIR BAFFLE	1.000 ea
609830005AT	TBOLT METRIC AC 360	2.000 ea
609830005ACF	TBOLT L3213	2.000 ea
610490001AF	24M 2P TEFC VER 56C SUPER E	1.000 ea

415000003E	T/LUG #4AWG-1/0AWG W/HOLE FOR .375 BOLT	2.000 ea
036000012JB	M8-1.25 X 12MM HXHDC	3.000 ea
418057256D	GROUND SCREW	1.000 ea
611965001A	WHEEL, BLOWER	1.000 ea
417733004J	GASKT	2.000 ea
611917002H	GASKT	1.000 ea
036000020JB	HHCS M8-1.25X20L PLTD-250	6.000 ea
032018006CK	HHCS 3/8-16X3/4L PLATED 411409	4.000 ea
000613006NT	NAME PLATE IEC	1.000 ea
417733036C	GASKT,C/BOX BACKPLATE,REF 706310063B	1.000 ea
418057256C	HHCS M10 25MM 440 IEC	2.000 ea
036600009AB	METRIC FLWASH M8 PLATED	3.000 ea
032018004DK	HHCS,DRIP COVER	4.000 ea
706310389B	ENTRY PLATE 706310389AB	1.000 ea
417733014C	GASKT (REK P/N 187215)	1.000 ea
036000020JD	HHCS M8X20MM LONG 304S.S	5.000 ea
418018074A	GROUND LABEL G100 METRIC 160 D.C.	2.000 ea
708528004F	HOUSING, BLOWER	1.000 ea
410978010E	INLET FLGE	1.000 ea
410978019A	SCREEN, INLET FLANGE	1.000 ea
036000045JB	M8-1.25 X 45MM HXHCS	4.000 ea
036620010AB	M10 EXT. TOOTH LK WASHER	2.000 ea
036620009AB	M8 EXTERNAL LK WASHER	1.000 ea
034017014AB	LCKW 3/8 STD. PLATED	4.000 ea
418014004A	609185004cDPT/BOX	1.000 ea
613439051A	ADAPT,CBOX,RL320	1.000 ea
417077-59	FILTER KIT	1.000 ea
422919085	HHCVK KIT,C320,DE,SOLID, XT	1.000 ea
422919088	HHCVK KIT,C320,DE,LOUVERED,S/P, XT	1.000 ea
422919088	HHCVK KIT,C320,DE,LOUVERED,S/P, XT	1.000 ea
422919370	HHCVK KIT,L320,DE,X/T,C/BOX MTG	1.000 ea
422919085	HHCVK KIT,C320,DE,SOLID, XT	1.000 ea
036600008AD	FLTWSHR,T BLK SPT	8.000 ea
706310063B	CBOX (REK)	1.000 ea

706310058B	CBCVR(REK P/N 187296)	1.000 ea
417733013B	GASKT (REK P/N 189486)	1.000 ea
036000020HD	HHCS M6X20MM LONG 304S.S	8.000 ea
036000012KB	M10 1.50 X 12MM HXHDCS	4.000 ea
417744401H	GROUND WIRE	1.000 ea
706305301A	GUARD, SHAFT	1.000 ea
034180034JA	KEY 3/4X3/4X4-1/4 L	1.000 ea
000640000P	TAG WINDING THERMOST	1.000 ea
004824007CQR	C2 PAINT SYSTEM MEDIUM GRAY CHARCOAL MET	0.300 ea
418018116	WARNING PLATE	1.000 ea
LB1549	LABEL, BLANK 1.375 X 2.250 IMPRINTABLE	1.000 ea

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

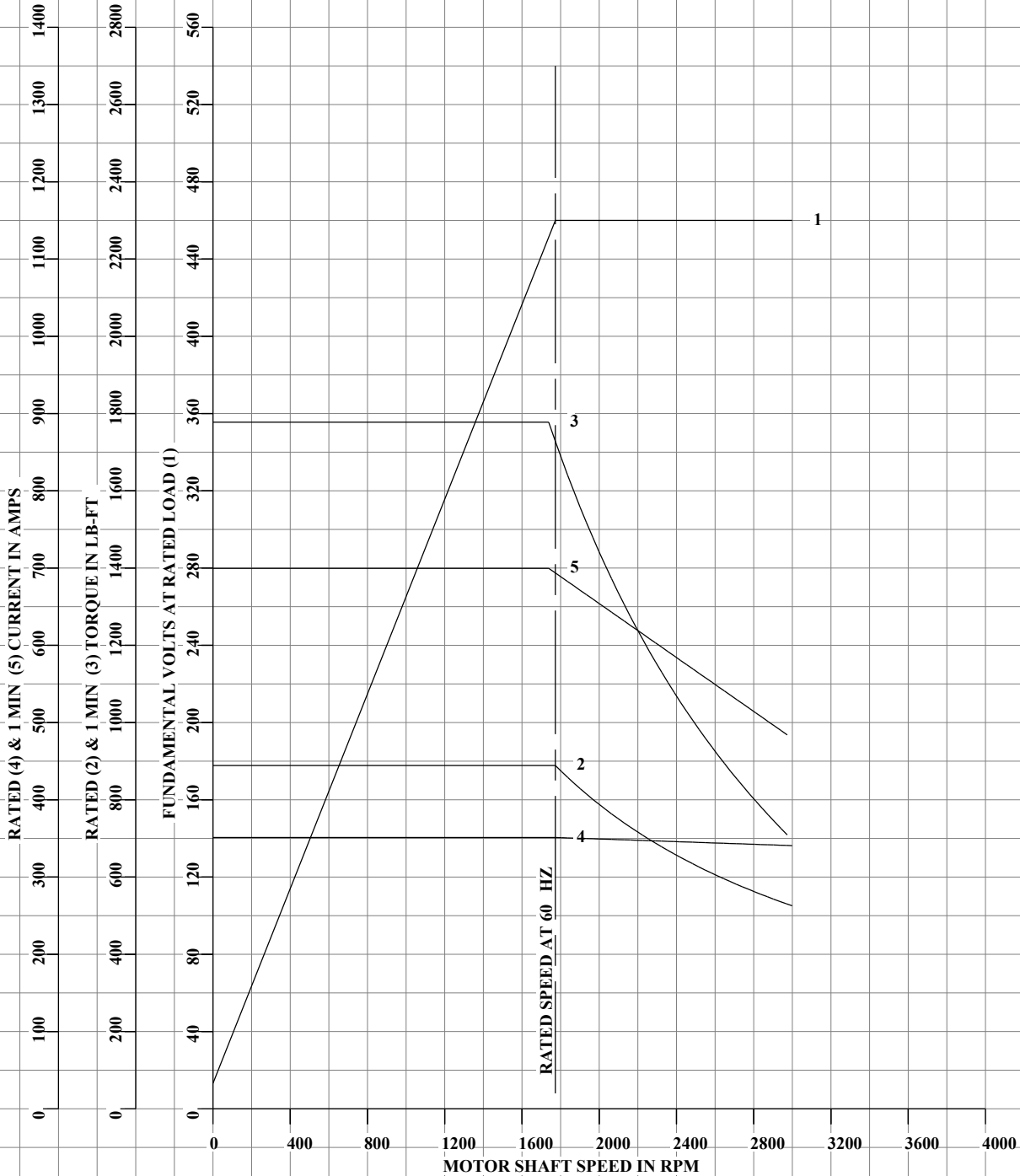

DRAWN BY: A. BROOKINS
CHECKED BY: B. GRANT
APPROVED BY: J. MARTIN
DATE: 1-24-23

**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



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

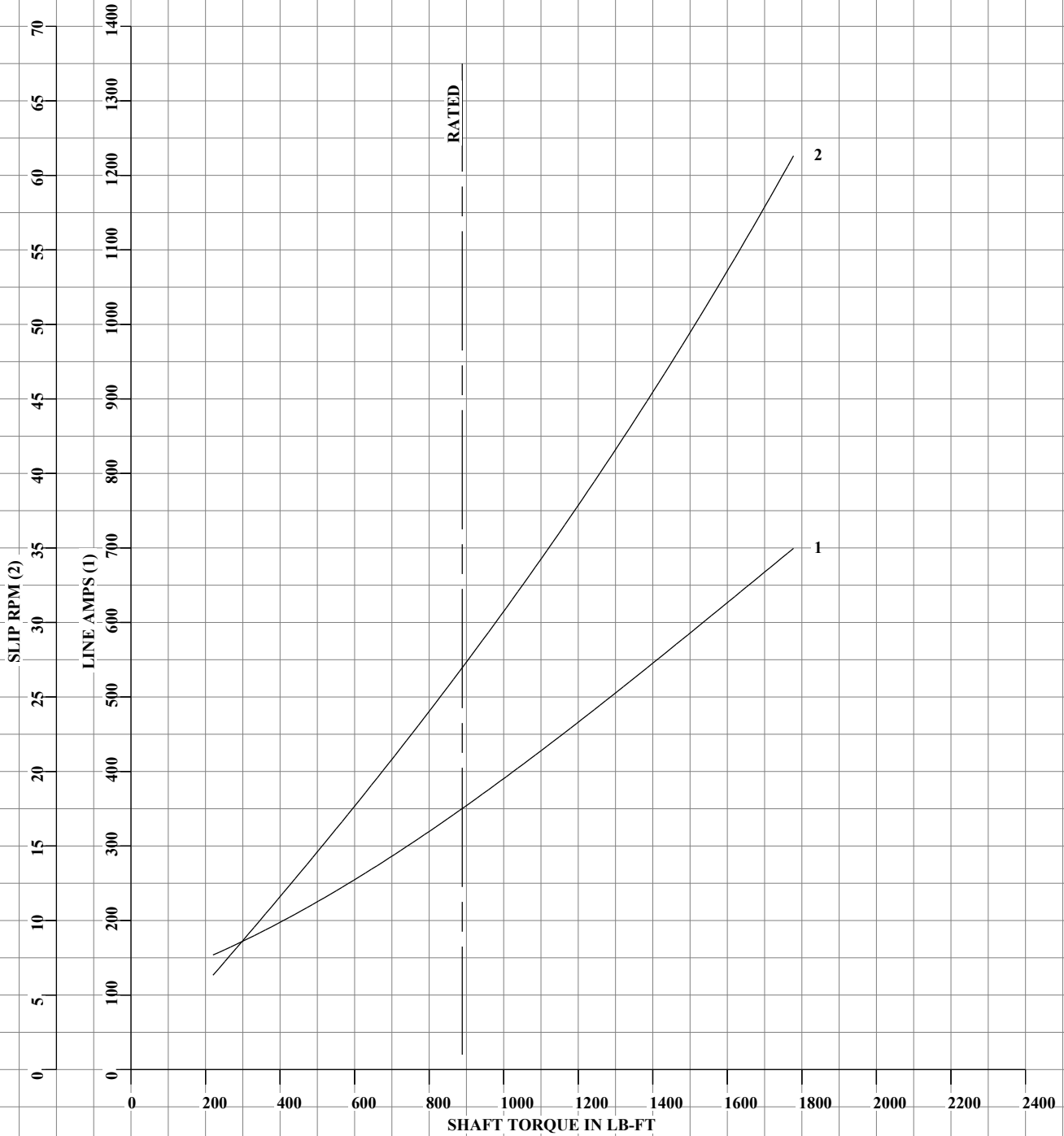
**AC MOTOR
PERFORMANCE
DATA**

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
LOAD PERFORMANCE (CONSTANT V/HZ RANGE)**



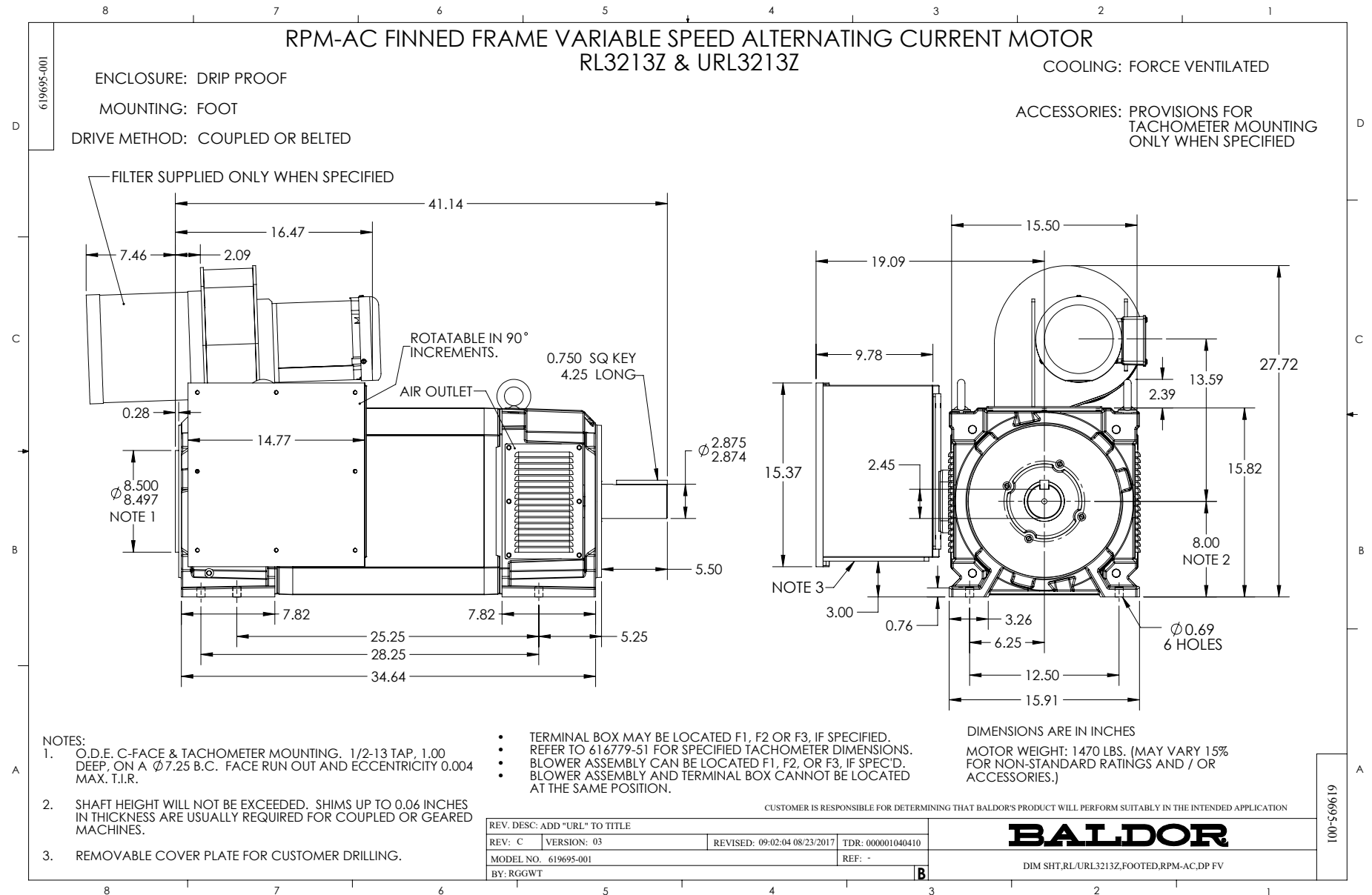
TYPICAL DATA, DATA VALID FOR NAMEPLATE SPEED RANGE ONLY



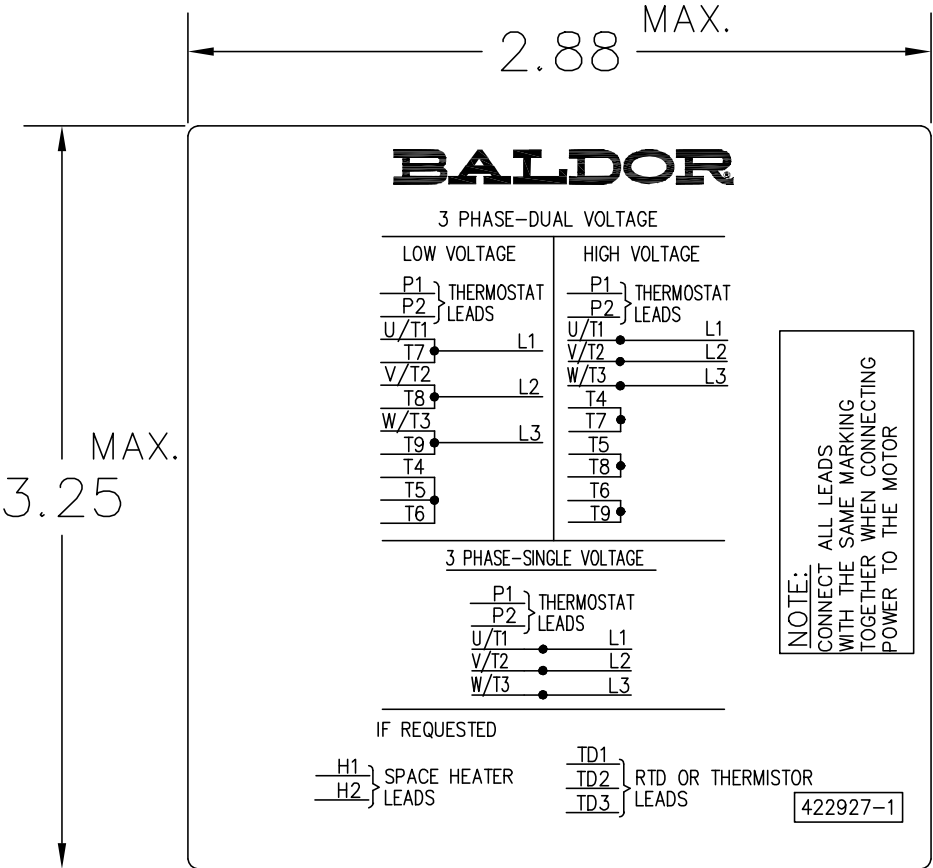
DRAWN BY: A. BROOKINS
 CHECKED BY: B. GRANT
 APPROVED BY: J. MARTIN
 DATE: 1-24-23

**AC MOTOR
PERFORMANCE
DATA**

L9456A
 ISSUE DATE: 1-24-23



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