ABB BALDOR RELIANCE

Customer information packet

IDDRPM321506R1

150HP, 1150, 460V, RL3203, DPFV, F1

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11/17/2026 2:16:03 AM

Specifications

Enclosure	DPFV
Frame	RL3203Z
Frame Material	Exposed Laminations
Frequency	40.00 Hz
Output @ Frequency	150.000 HP @ 40 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 40 HZ
Voltage @ Frequency	460.0 V @ 40 HZ
Agency Approvals	CCSA US
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	180.000 A @ 460.0 V
Duty Rating	CONT
Feedback Device	NO FEEDBACK
Frame Prefix	RL
Heater Indicator	No Heater
High Voltage Full Load Amps	180.0 a
Insulation Class	H
IP Rating	NONE
Motor Standards	NEMA
Mounting Arrangement	F1
Overall Length	38.64 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	1170 rpm
Thermal Device - Bearing	None

Part Detail

Revision	D
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	L0339A
Layout	619691-001
Eff. date	05-03-2022
CD Diagram	422927-001
Poles	04
Leads	
Proprietary	False
Created date	11-30-2015

Thermal Device - Winding	Normally Closed Thermostat

Nameplate

000613006MY

DUTY	HP	RPM	AMPS	VOLTS	HZ
CONT	150	1170	180	460	40
CONT	150	1600	177	460	55
CONT	75	3600	90	460	121.7

CAT.NO.	IDDRPM321506R1		**SPEC. NO.**	R32-A000-0008			
SER.NO		**FR**	RL3203Z	**INSUL**	H		
PH.	3	**MAX SAFE SPEED**	4000	**AMB.**	40	**MIN. AMB.**	-25
DESIGN NO.	L0339A	**TYPE**		**ENCL.**	DPG-FV		
S.F.	1.00	**D.E. BRG.**	85BC02J30X				
ENCL MOD		**O.D.E. BRG.**	65BC03J30X				

REL S.O.	–	VOLTS	460	ENCLOSURE	DPFV	WYE CONN EQ CKT OHMS PER PHASE			
FRAME	RL3203	AMPS	175.44	MAX SAFE RPM	4000	(AT BASE RATING, 25 °C)			
HP	150	DUTY	CONT	IM (AMPS)	57.23	R1	.0324	X1	.161
BASE SPEED	1170	S.F.	1.0	P.F.@NL/FL	.04/.883	R2	.0270	X2	.157
PHASE/HERTZ	3/40	AMB °C/INSUL	40/H	WK^2 ($Lb-Ft^2$)	21.3			XM	4.79

RATED FULL LOAD DATA

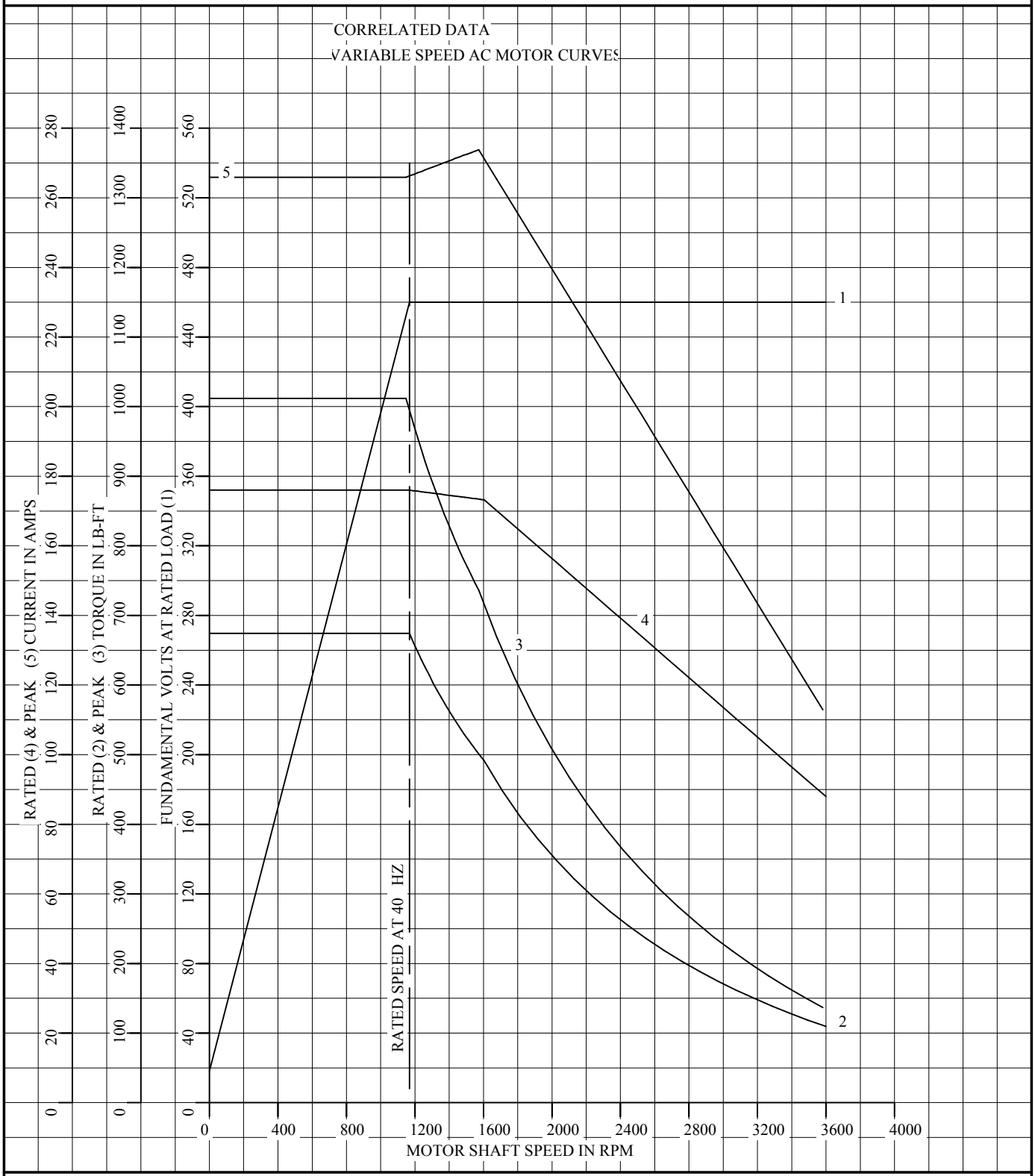
	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
BASE SPEED	1168	150	674	460	40	176
MAX SPEED	3599	75.0	109	460	121.7	88.0
MIN SPEED	0	0	674	18.2	1.060	176

LOAD PERFORMANCE AT BASE SPEED

	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
NO LOAD	1200	0	0	460	40	55.6
1/4	1193	38.6	170	460	40	70.8
1/2	1185	77.1	342	460	40	101
3/4	1176	116	516	460	40	138
FULL LOAD	1168	150	674	460	40	176
O/L	1148	221	1012	460	40	266

REMARKS: TYPICAL DATA
CORRELATED DATA

REL S.O.	-	VOLTS	460	ENCLOSURE	DPFV	WYE CONN EQ CKT OHMS PER PHASE (AT BASE RATING, 25 ℃)	
FRAME	RL3203	AMPS	175.44	MAX SAFE RPM	4000		
HP	150	DUTY	CONT	IM (AMPS)	57.23	R1 .0324	X1 .161
BASE SPEED	1170	S.F.	1.0	P.F.@NL/FL	.04/.883	R2 .0270	X2 .157
PHASE/HERTZ	3/40	AMB ℃/INSUL	40/H	WK^2 $(Lb-Ft^2)$	21.3		XM 4.79



REMARKS: TYPICAL DATA
DATA VALID FOR NAMEPLATE SPEED RANGE ONLY

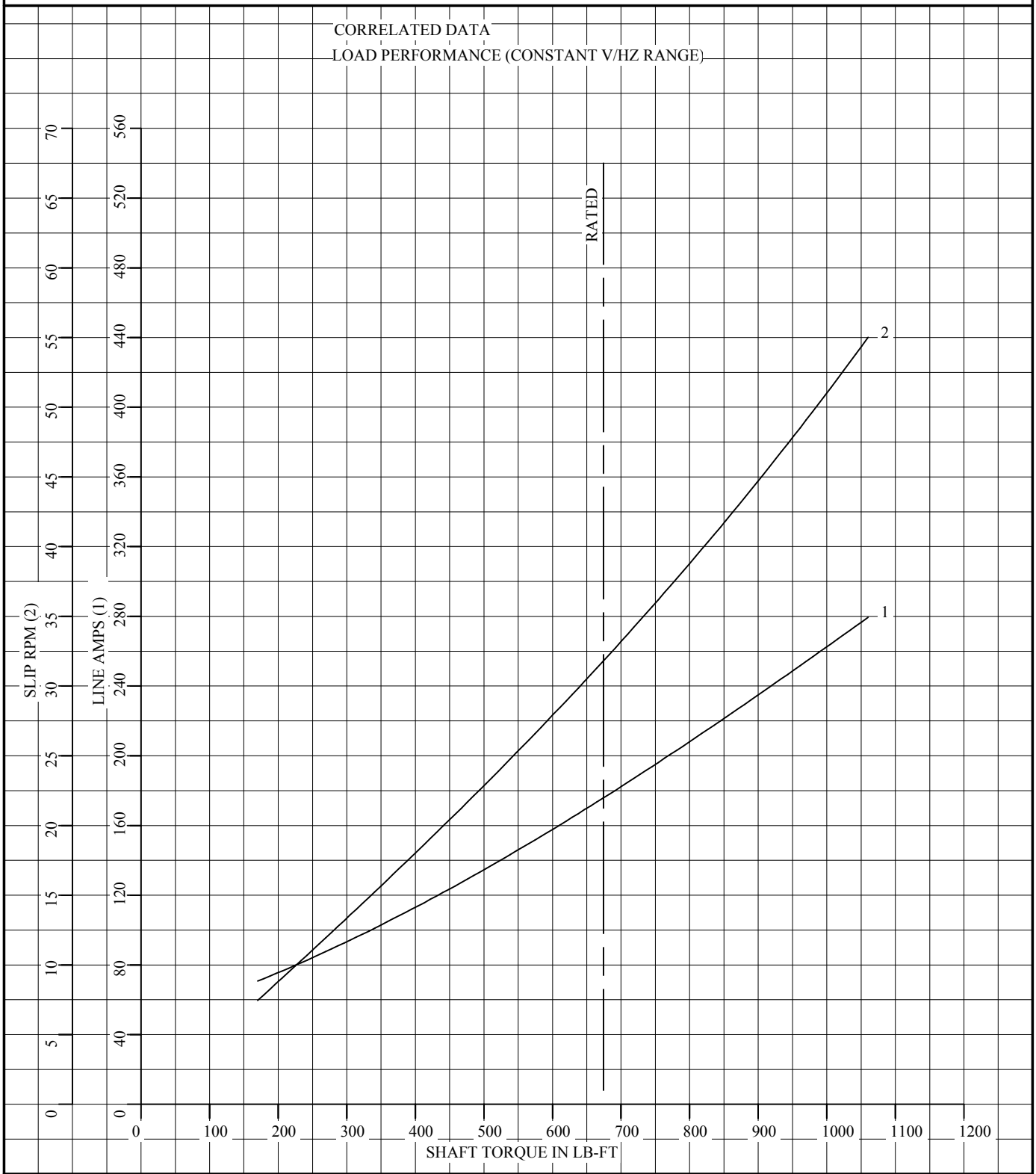
BALDOR
A MEMBER OF THE ABB GROUP

DR. BY	J. MARTIN
CK. BY	J. MARTIN
APP. BY	T. EVON
DATE	11-23-15

A-C MOTOR PERFORMANCE CURVES

L0339A
SH 1 OF 2
ISSUE DATE 02/22/99

REL S.O.	-	VOLTS	460	ENCLOSURE	DPFV	WYE CONN EQ CKT OHMS PER PHASE (AT BASE RATING, 25 ℃)	
FRAME	RL3203	AMPS	175.44	MAX SAFE RPM	4000		
HP	150	DUTY	CONT	IM (AMPS)	57.23	R1 .0324	X1 .161
BASE SPEED	1170	S.F.	1.0	P.F.@NL/FL	.04/.883	R2 .0270	X2 .157
PHASE/HERTZ	3/40	AMB ℃/INSUL	40/H	WK^2 $(Lb-Ft^2)$	21.3		XM 4.79



REMARKS: TYPICAL DATA
DATA VALID FOR NAMEPLATE SPEED RANGE ONLY

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DATE	11-23-15

A-C MOTOR PERFORMANCE CURVES

L0339A
SH 2 OF 2
ISSUE DATE 02/22/99

RPM-AC FINNED FRAME VARIABLE SPEED ALTERNATING CURRENT MOTOR
RL & URL3203Z

619691-001

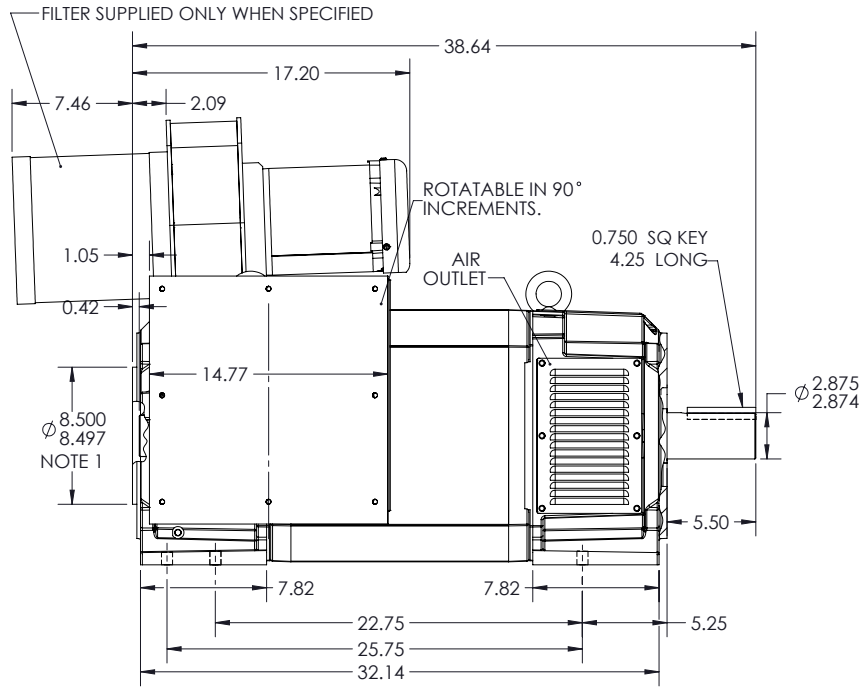
ENCLOSURE: DRIP PROOF

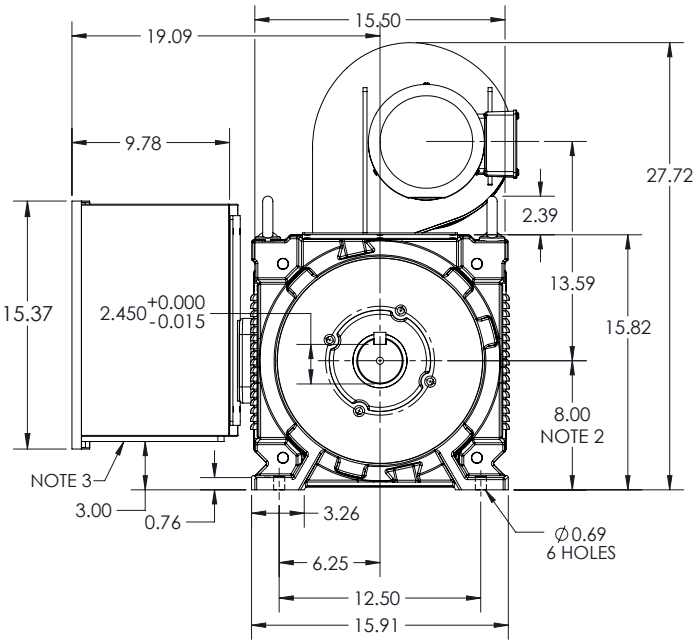
MOUNTING: FOOT

DRIVE METHOD: COUPLED OR BELTED

COOLING: FORCE VENTILATED

ACCESSORIES: PROVISIONS FOR TACHOMETER MOUNTING ONLY WHEN SPECIFIED





NOTE S:

1. O.D.E. C-FACE & TACHOMETER MOUNTING. 1/2-13 TAP, 1.00 DEEP, ON A ∅7.25 B.C. FACE RUNOUT 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: 1320 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

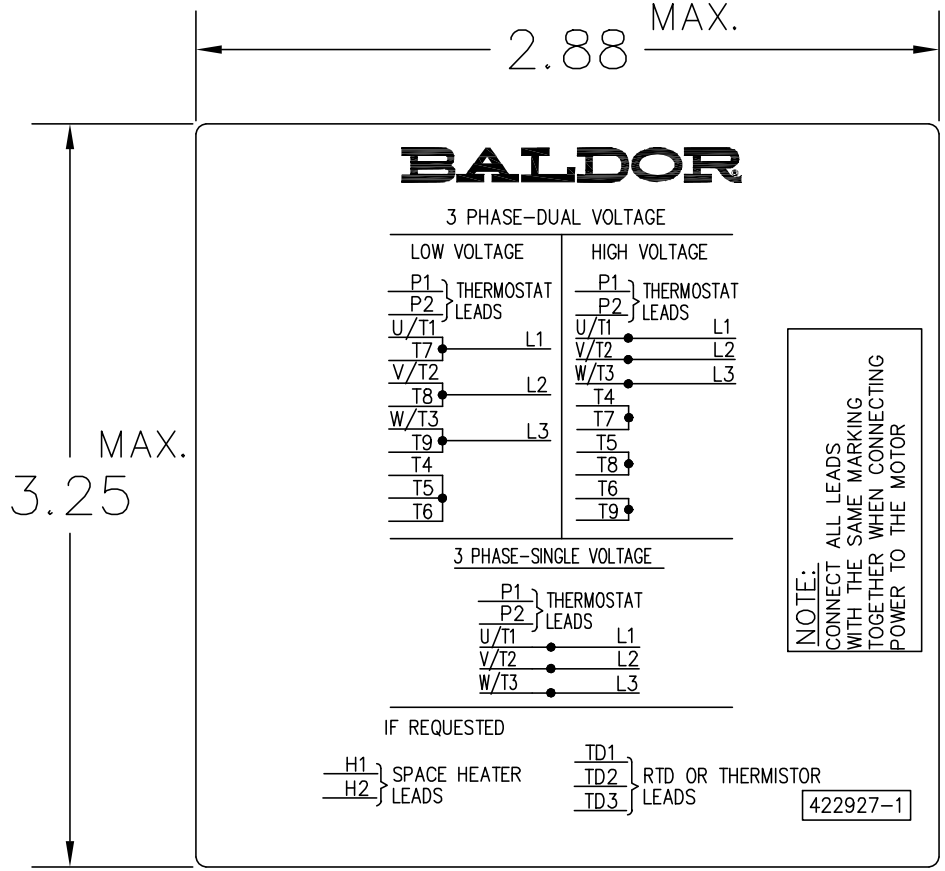
REV. DESC: ADD "URL" TO FRAME SIZE			
REV: C	VERSION: 03	REVISED: 01:47:22 04/06/2016	TDR: 000000973515
MODEL NO. 619691-001			REF: -
BY: RGGWT			B

BALDOR

DIM SHT,RL & URL3203Z,FOOTED,RPM-AC,DP FV

100-169619

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