ABB BALDOR RELIANCE

Customer information packet

IDBRPM321504R1

150HP, 1750, 460V, FL3203, TEBC, F3

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11/15/2026 6:41:40 AM

Specifications

Enclosure	TEBC
Frame	FL3203Z
Frame Material	Exposed Laminations
Frequency	60.00 Hz
Output @ Frequency	150.000 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	179.000 A @ 460.0 V
Duty Rating	CONT
Feedback Device	NO FEEDBACK
Frame Prefix	FL
Heater Indicator	No Heater
High Voltage Full Load Amps	179.0 a
Insulation Class	H
IP Rating	NONE
Motor Standards	NEMA
Mounting Arrangement	F3
Overall Length	55.48 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	1780 rpm
Thermal Device - Bearing	None

Part Detail

Revision	E
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	L6805A
Layout	619689-001
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	1780	179	460	60
CONT	150	3555	171	460	120

CAT.NO.	IDBRPM321504R1		**SPEC. NO.**	F32-A000-0008			
SER.NO		**FR**	FL3203Z	**INSUL**	H		
PH.	3	**MAX SAFE SPEED**	4000	**AMB.**	40	**MIN. AMB.**	-25
DESIGN NO.	L6805A	**TYPE**		**ENCL.**	TEAO-BC		
S.F.	1.00	**D.E. BRG.**	85BC02J30X				
ENCL MOD		**O.D.E. BRG.**	65BC03J30X				

REL S.O.	–	VOLTS	460	ENCLOSURE	TEBC	WYE CONN EQ CKT OHMS PER PHASE			
FRAME	FL3203	AMPS	179	MAX SAFE RPM	4000	(AT BASE RATING, 25 °C)			
HP	150	DUTY	CONT	IM (AMPS)	73	R1	.0159	X1	.105
BASE SPEED	1780	S.F.	1.0	P.F.@NL/FL	.032/.837	R2	.0113	X2	.143
PHASE/HERTZ	3/60	AMB °C/INSUL	40/H	WK^2 ($Lb-Ft^2$)	21			XM	3.36

RATED FULL LOAD DATA

	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
BASE SPEED	1780	150	443	460	60	179
MAX SPEED	3557	150	221	460	120	171
MIN SPEED	0	0	443	8.33	.654	179

LOAD PERFORMANCE AT BASE SPEED

	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
NO LOAD	1800	0	0	460	60	73.0
1/4	1795	37.5	110	460	60	89.0
1/2	1790	75.0	220	460	60	113
3/4	1786	112	331	460	60	144
FULL LOAD	1780	150	443	460	60	179
O/L	1758	296	885	460	60	338

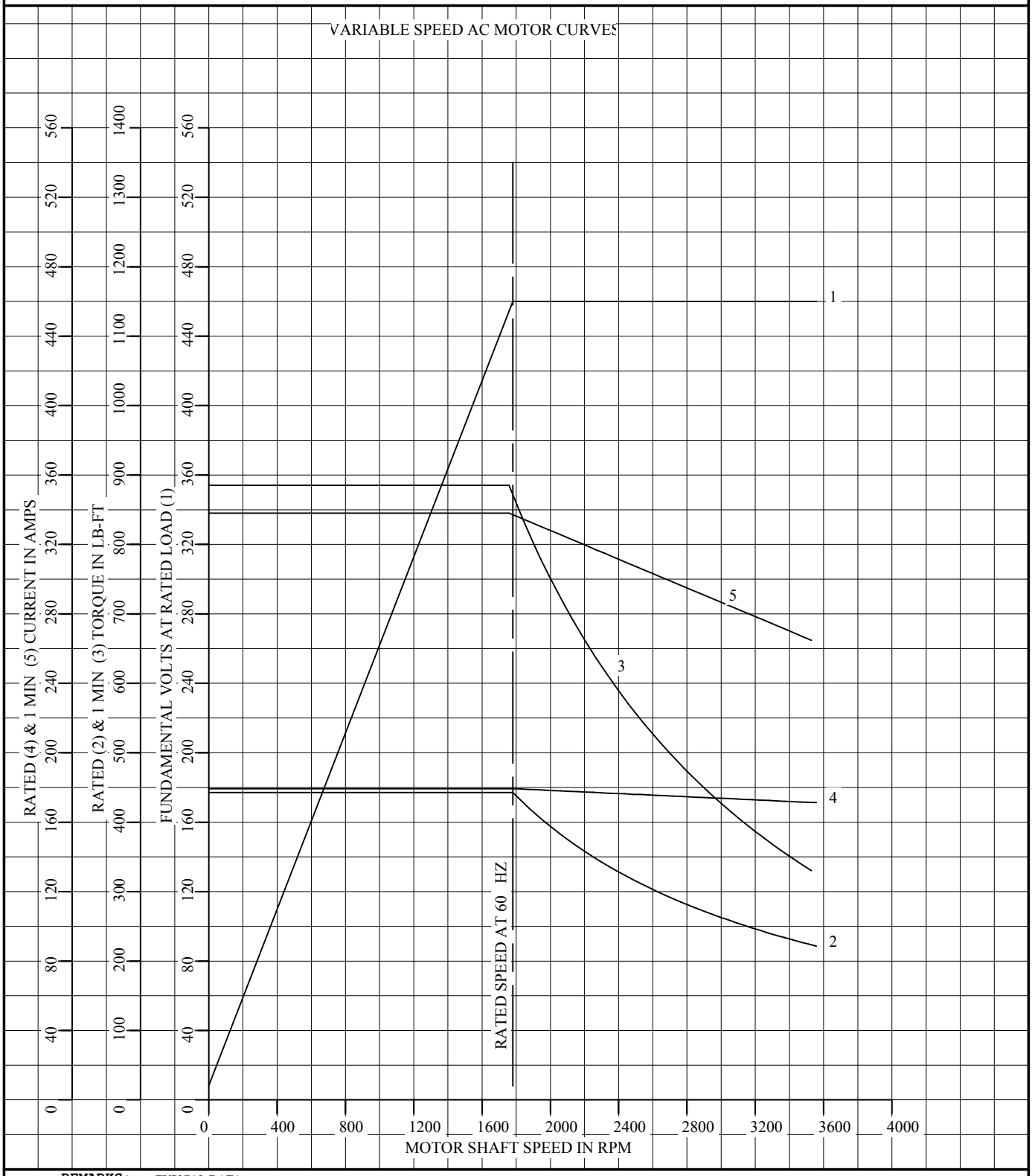
REMARKS: TYPICAL DATA

BALDOR A MEMBER OF THE ABB GROUP

DR. BY R. ROBERTS
CK. BY B. GRANT
APP. BY J. MARTIN
DATE 11-24-15

A-C MOTOR PERFORMANCE DATA L6805A
ISSUE DATE 8-29-16

REL S.O.	-	VOLTS	460	ENCLOSURE	TEBC	WYE CONN EQ CKT OHMS PER PHASE (AT BASE RATING, 25 ℃)	
FRAME	FL3203	AMPS	179	MAX SAFE RPM	4000		
HP	150	DUTY	CONT	IM (AMPS)	73	R1 .0159	X1 .105
BASE SPEED	1780	S.F.	1.0	P.F.@NL/FL	.032/.837	R2 .0113	X2 .143
PHASE/HERTZ	3/60	AMB ℃/INSUL	40/H	WK^2 (Lb-Ft^2)	21		XM 3.36



REMARKS: TYPICAL DATA
DATA VALID FOR NAMEPLATE SPEED RANGE ONLY

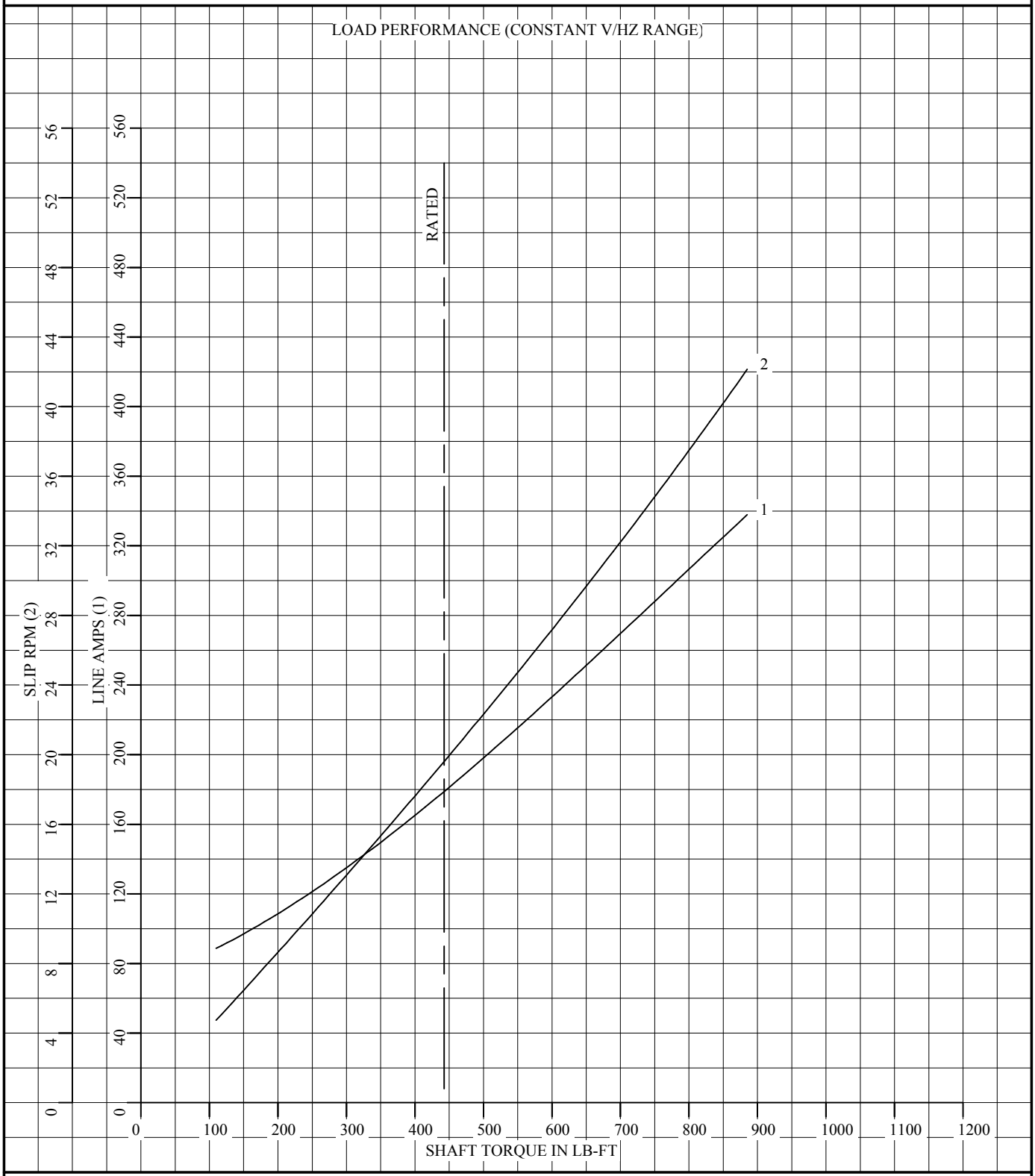
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DR. BY R. ROBERTS
CK. BY B. GRANT
APP. BY J. MARTIN
DATE 11-24-15

A-C MOTOR PERFORMANCE CURVES

L6805A
SH 1 OF 2
ISSUE DATE 8-29-16

REL S.O.	-	VOLTS	460	ENCLOSURE	TEBC	WYE CONN EQ CKT OHMS PER PHASE (AT BASE RATING, 25 ℃)	
FRAME	FL3203	AMPS	179	MAX SAFE RPM	4000		
HP	150	DUTY	CONT	IM (AMPS)	73	R1 .0159	X1 .105
BASE SPEED	1780	S.F.	1.0	P.F.@NL/FL	.032/.837	R2 .0113	X2 .143
PHASE/HERTZ	3/60	AMB ℃/INSUL	40/H	WK^2 $(Lb-Ft^2)$	21		XM 3.36



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A-C MOTOR PERFORMANCE CURVES

L6805A
SH 2 OF 2
ISSUE DATE 8-29-16

RPM-AC FINNED FRAME VARIABLE SPEED ALTERNATING CURRENT MOTOR
FL3203Z

619689-001

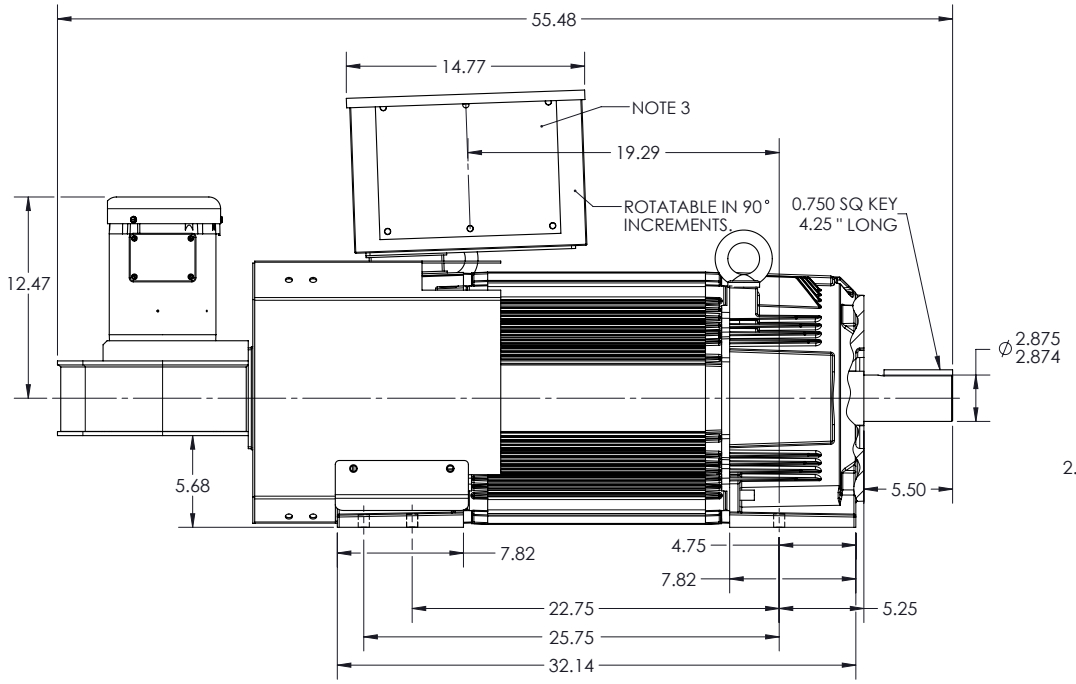
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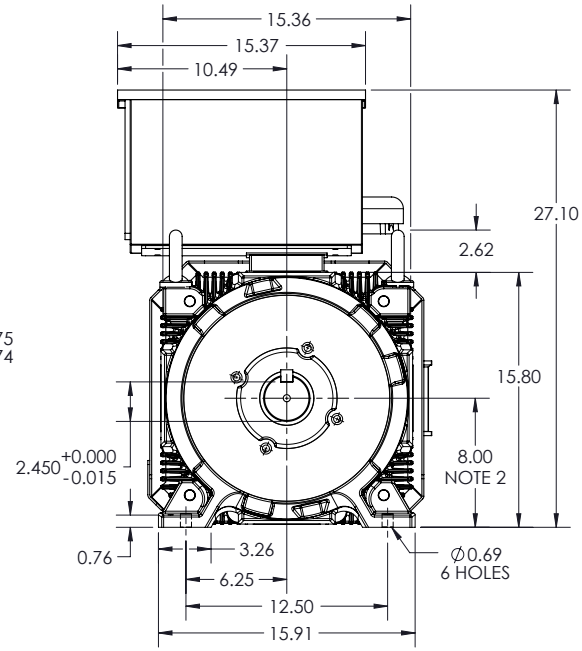
MOUNTING: FOOT

DRIVE METHOD: COUPLED OR BELTED

COOLING: BLOWER COOLED

ACCESSORIES: PROVISIONS FOR TACHOMETER MOUNTING ONLY WHEN SPECIFIED





NOTES:

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 616779-55 FOR SPECIFIED TACHOMETER DIMENSIONS.

DIMENSIONS ARE IN INCHES

MOTOR WEIGHT: 1400 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

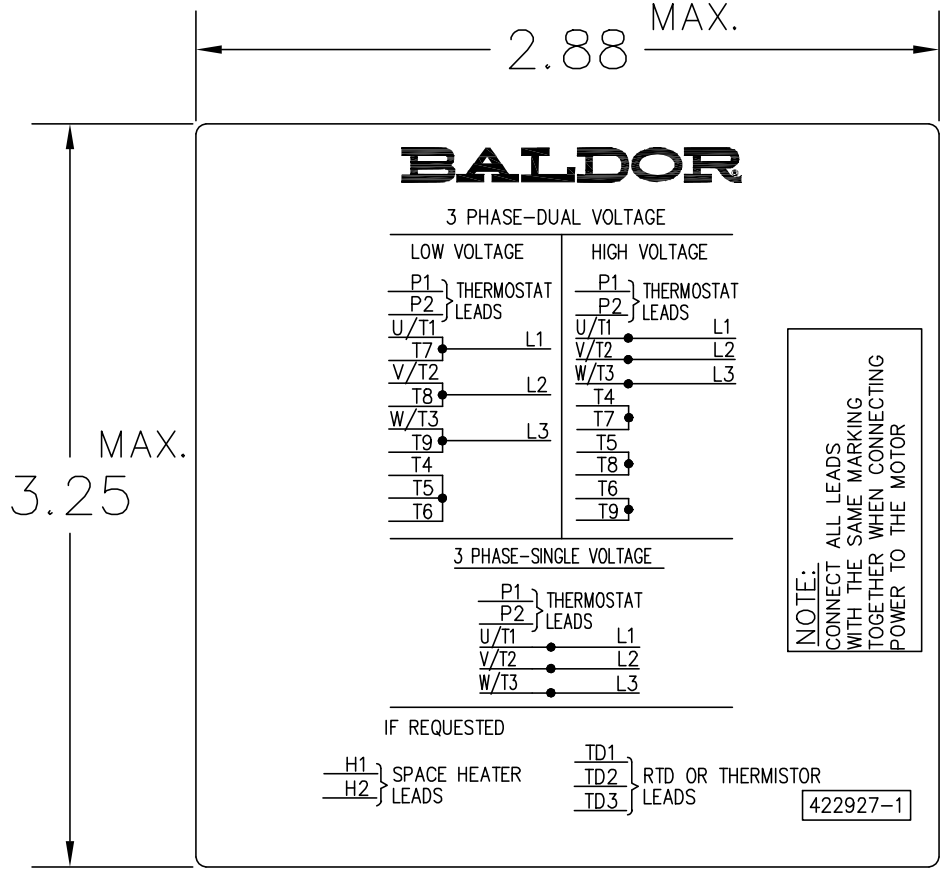
REV. DESC: INITIAL RELEASE			
REV: -	VERSION: 00	REVISED: 11:17:03 12/17/2014	TDR: 000000860207
MODEL NO. 619689-001			REF: -
BY: MGHTLC			B

BALDOR

DIM SHEET,FL3203Z,RPM-AC,TEBC

619689-001

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