

ABB BALDOR RELIANCE III

Customer information packet

IDBRPM321504R1

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

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



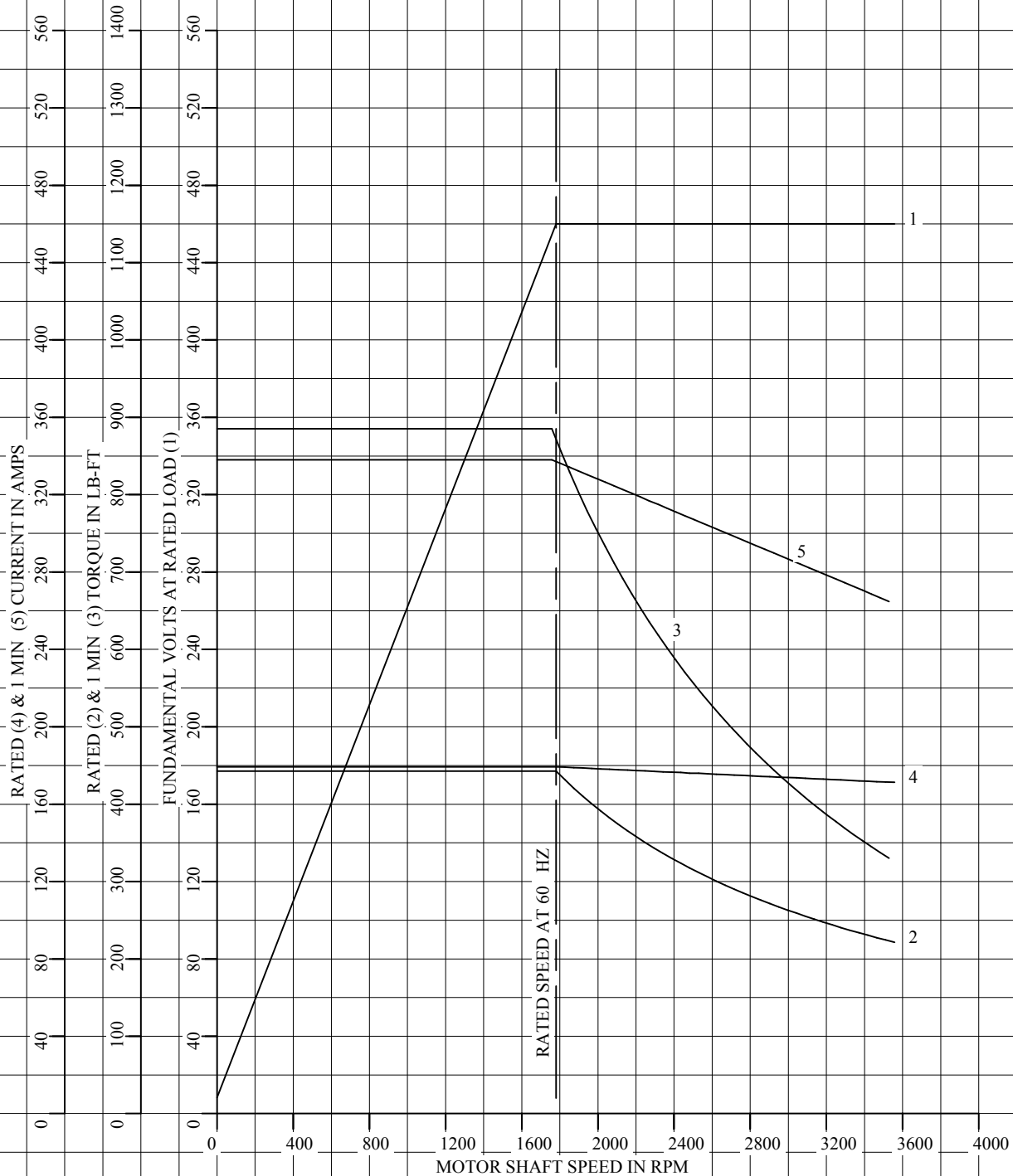
DR. BY	R. ROBERTS
CK. BY	B. GRANT
APP. BY	J. MARTIN
DATE	11-24-15

**A-C MOTOR
PERFORMANCE DATA** L6805A

ISSUE DATE 8-29-16

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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	

VARIABLE SPEED AC MOTOR CURVES


REMARKS: TYPICAL DATA
DATA VALID FOR NAMEPLATE SPEED RANGE ONLY

BALDOR
A MEMBER OF THE ABB GROUP

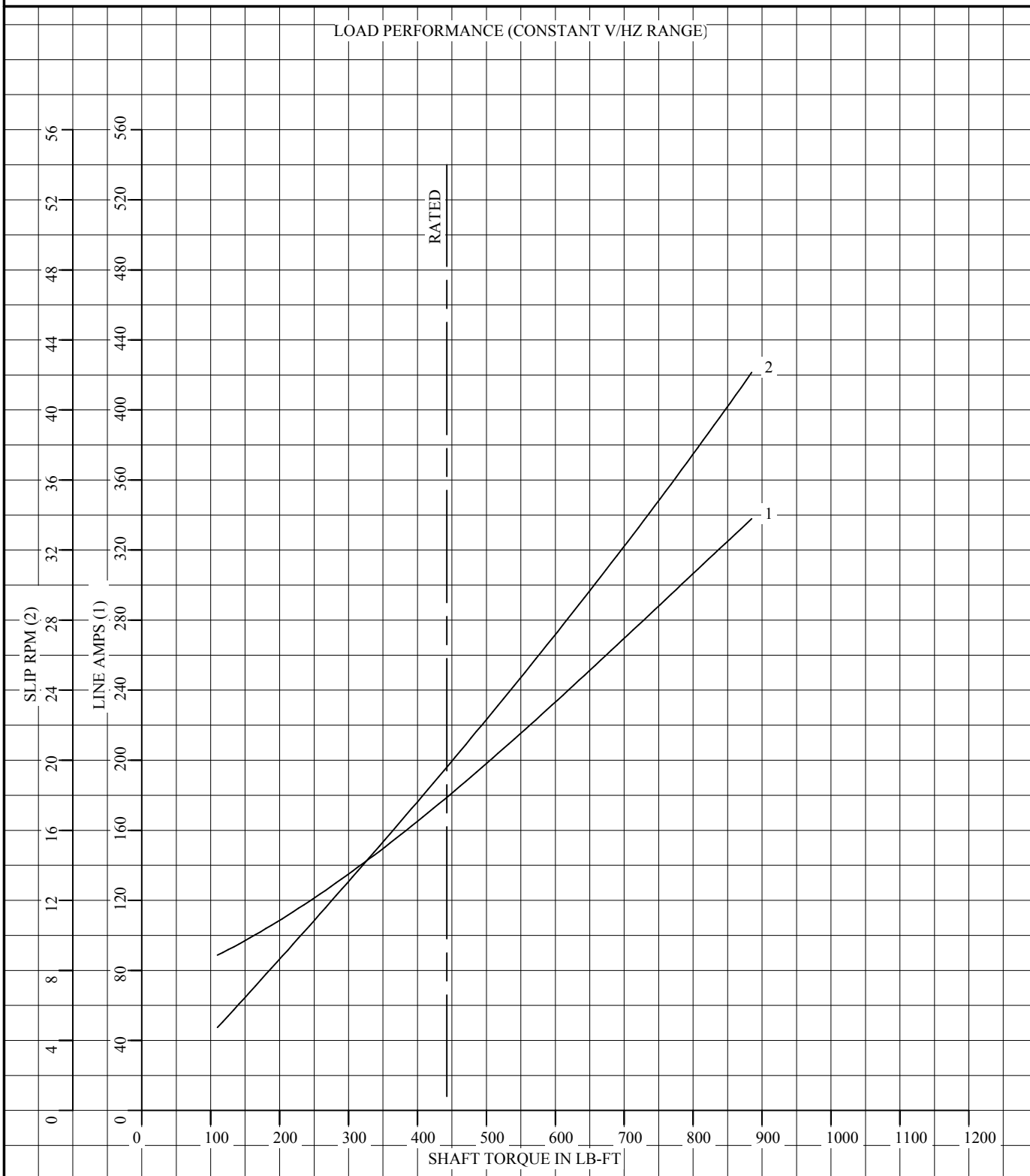
DR. BY R. ROBERTS
CK. BY B. GRANT
APP. BY J. MARTIN
DATE 11-24-15

**A-C MOTOR
PERFORMANCE
CURVES**

L6805A
SH 1 OF 2
ISSUE DATE 8-29-16 Page 6 of 9

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)	
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PHASE/HERTZ	3/60	AMB °C/INSUL	40/H	WK ² (Lb-Ft ²)	21	XM 3.36	

LOAD PERFORMANCE (CONSTANT V/HZ RANGE)



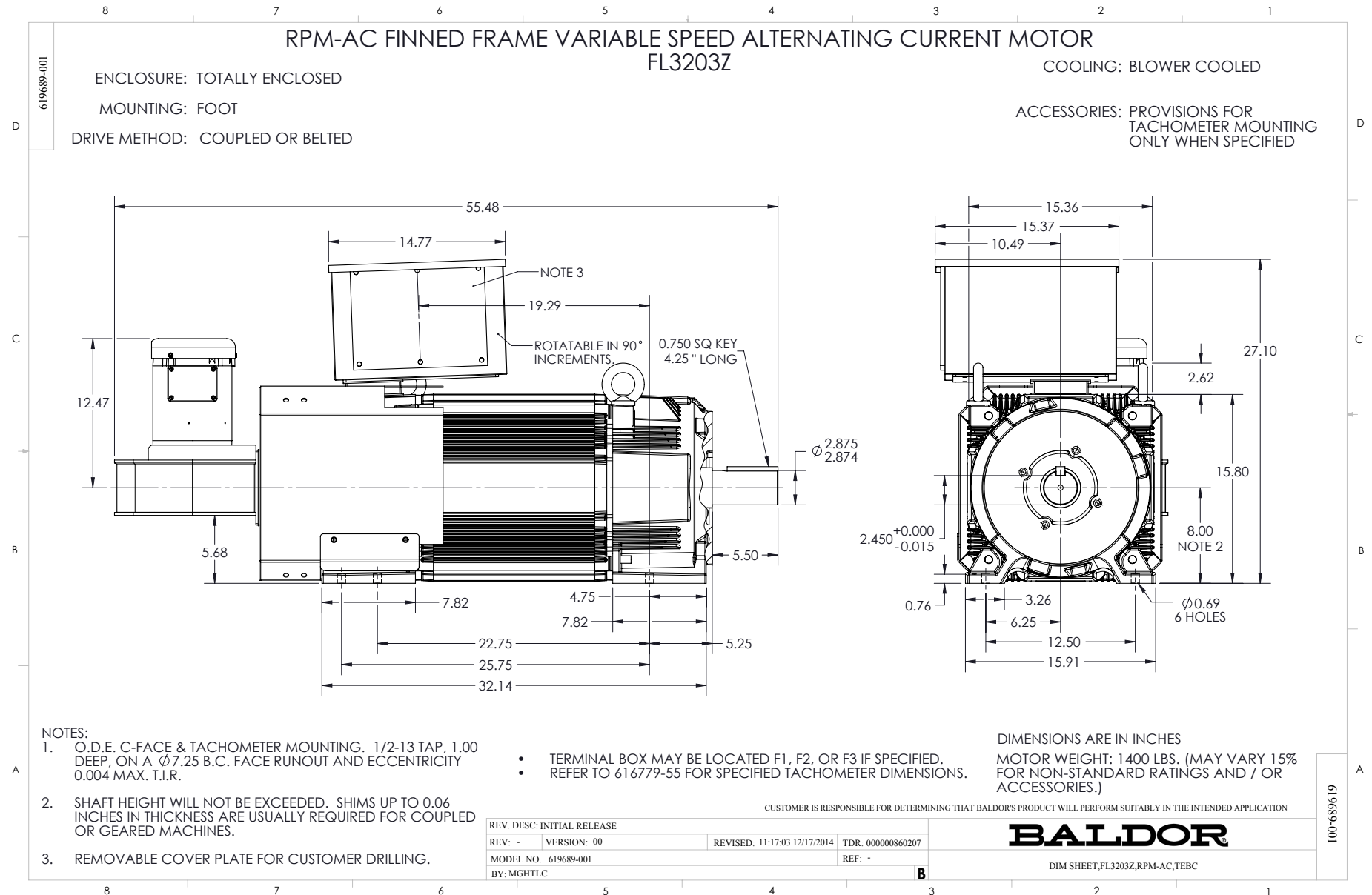
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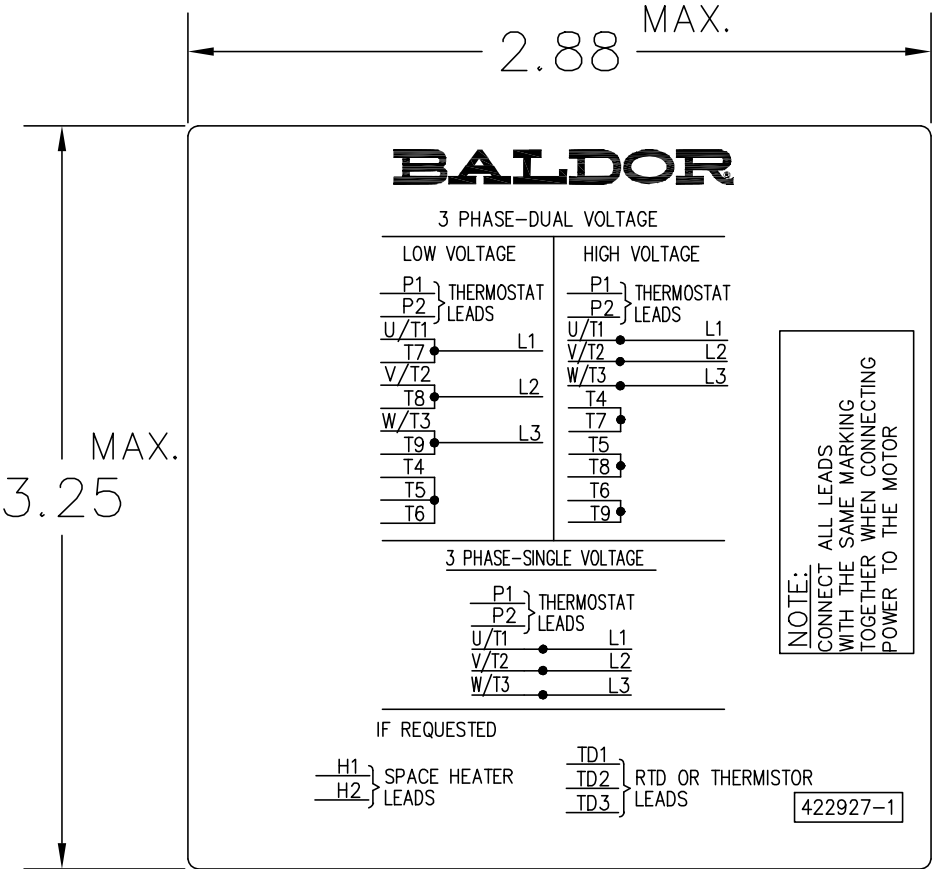
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**A-C MOTOR
PERFORMANCE
CURVES**

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



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