

ABB BALDOR RELIANCE III

Customer information packet

IDBRPM362004R1

200HP, 1785/3565RPM, 460V, 3PH, TEBC, FL3698

Specifications

Enclosure	TEBC
Frame	FL3698
Frame Material	Exposed Laminations
Frequency	60.00 Hz
Output @ Frequency	200.000 @ 60 HZ 200.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ 460 V @ 60 HZ
Agency Approvals	CCSA US
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	234.000 A @ 460.0 V
Duty Rating	CONT
Feedback Device	NO FEEDBACK
Frame Prefix	FL
Heater Indicator	No Heater
High Voltage Full Load Amps	234.0 a
Insulation Class	H
Motor Standards	NEMA
Mounting Arrangement	F3
Overall Length	56.06 IN
Product Family	General Industrial
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Service Factor	1.00
Shaft Diameter	2.874 IN
Shaft Ground Indicator	Shaft Grounding
Shaft Rotation	Reversible
Speed	1785 rpm

Part Detail

Revision	G
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	L6189A
Layout	619678-001
Eff. date	05-03-2022
CD Diagram	422927-001
Poles	04
Leads	
Proprietary	False
Created date	04-09-2015

Thermal Device - Bearing	None
Thermal Device - Winding	Normally Closed Thermostat

Nameplate

000613006MY									
	DUTY	HP	RPM	AMPS	VOLTS	HZ			
	CONT	200	1785		234	460		60	
	CONT	200	3600		225	460		121.2	
CAT.NO.	IDBRPM362004R1			SPEC. NO.	P36T1319				
SER.NO				FR	FL 3698	INSUL	H		
PH.	3	MAX SAFE SPEED			3750	AMB.	40	MIN. AMB.	-25
DESIGN NO.	L6189A	TYPE				ENCL.	TEAO-BC		
S.F.	1.00			D.E. BRG.	95BC02J30X				
ENCL MOD				O.D.E. BRG.	80BC03J30X				

REL S.O.	-	VOLTS	460	ENCLOSURE	TEBC	WYE CONN EQ CKT OHMS PER PHASE		
FRAME	FL3698	AMPS	234	MAX SAFE RPM	3750	(AT BASE RATING, 25 °C)		
HP	200	DUTY	CONT	IM (AMPS)	92	R1	.0107	X1 .0887
BASE SPEED	1785	S.F.	1.0	P.F.@NL/FL	.037/.852	R2	.00771	X2 .111
PHASE/HERTZ	3/60	AMB °C/INSUL	40/H	WK ² (Lb-Ft ²)	35			XM 2.79

RATED FULL LOAD DATA

	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
BASE SPEED	1784	200	589	460	60	234
MAX SPEED	3600	200	292	460	121.2	225
MIN SPEED	0	0	589	7.34	.5464	234

LOAD PERFORMANCE AT BASE SPEED

	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
NO LOAD	1800	0	0	460	60	91.3
1/4	1796	50.1	146	460	60	109
1/2	1792	100	293	460	60	143
3/4	1788	150	441	460	60	186
FULL LOAD	1784	200	589	460	60	234
O/L	1764	396	1178	460	60	449

REMARKS: TYPICAL DATA
CORRELATED DATA

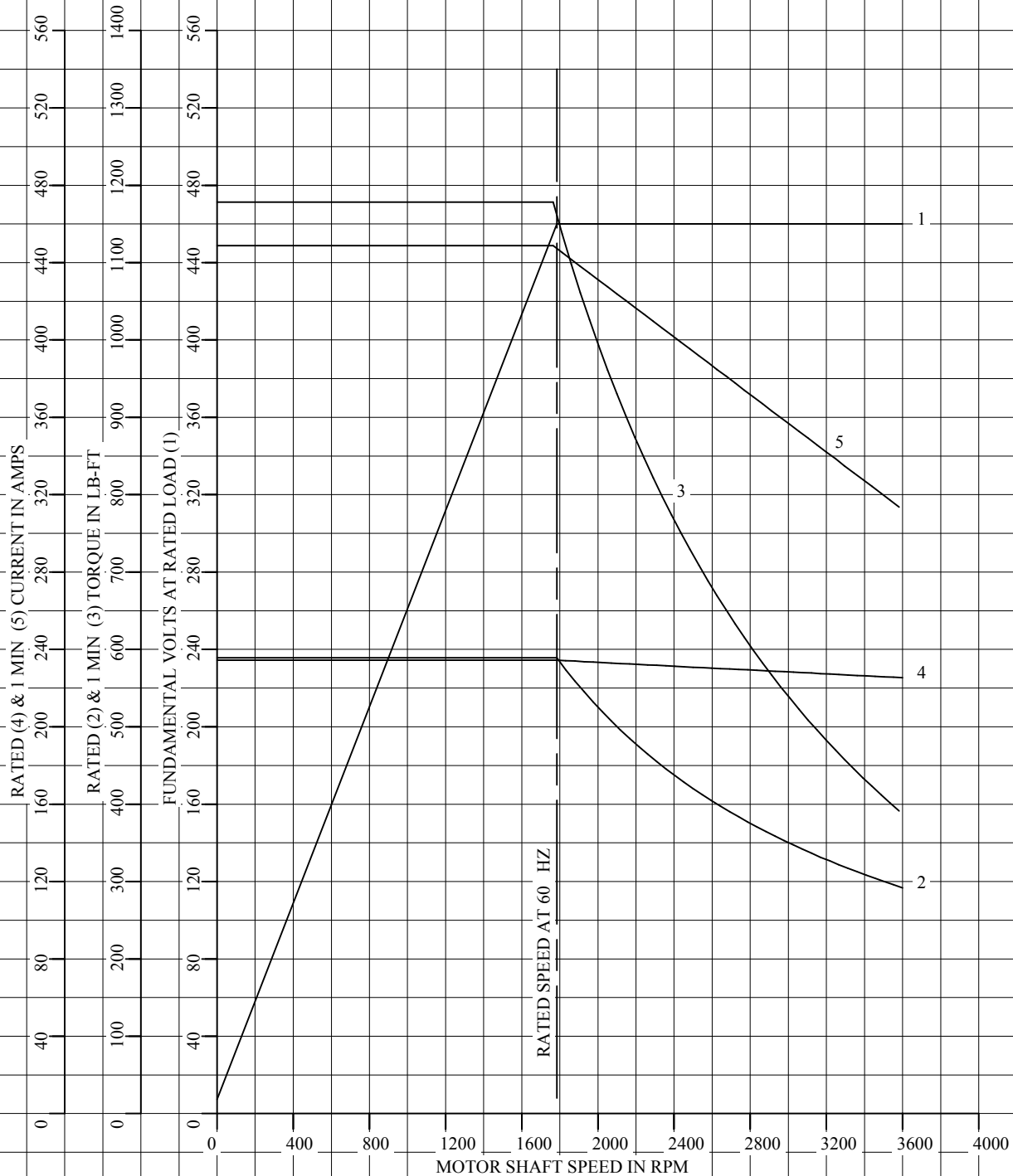


DR. BY K. GREEN
CK. BY B. GRANT
APP. BY J. MARTIN
DATE 06-11-14

**A-C MOTOR
PERFORMANCE DATA** L6189A
ISSUE DATE 5-2-17

REL S.O.	-	VOLTS	460	ENCLOSURE	TEBC	WYE CONN	EQ	CKT	OHMS	PER PHASE
FRAME	FL3698	AMPS	234	MAX SAFE RPM	3750	(AT BASE RATING, 25 °C)				
HP	200	DUTY	CONT	IM (AMPS)	92	R1	.0107	X1	.0887	
BASE SPEED	1785	S.F.	1.0	P.F. @NL/FL	.037/.852	R2	.00771	X2	.111	
PHASE/HERTZ	3/60	AMB °C/INSUL	40/H	WK ² (Lb-Ft ²)	35			XM	2.79	

CORRELATED DATA
VARIABLE SPEED AC MOTOR CURVES



REMARKS: TYPICAL DATA
DATA VALID FOR NAMEPLATE SPEED RANGE ONLY

BALDOR
A MEMBER OF THE ABB GROUP

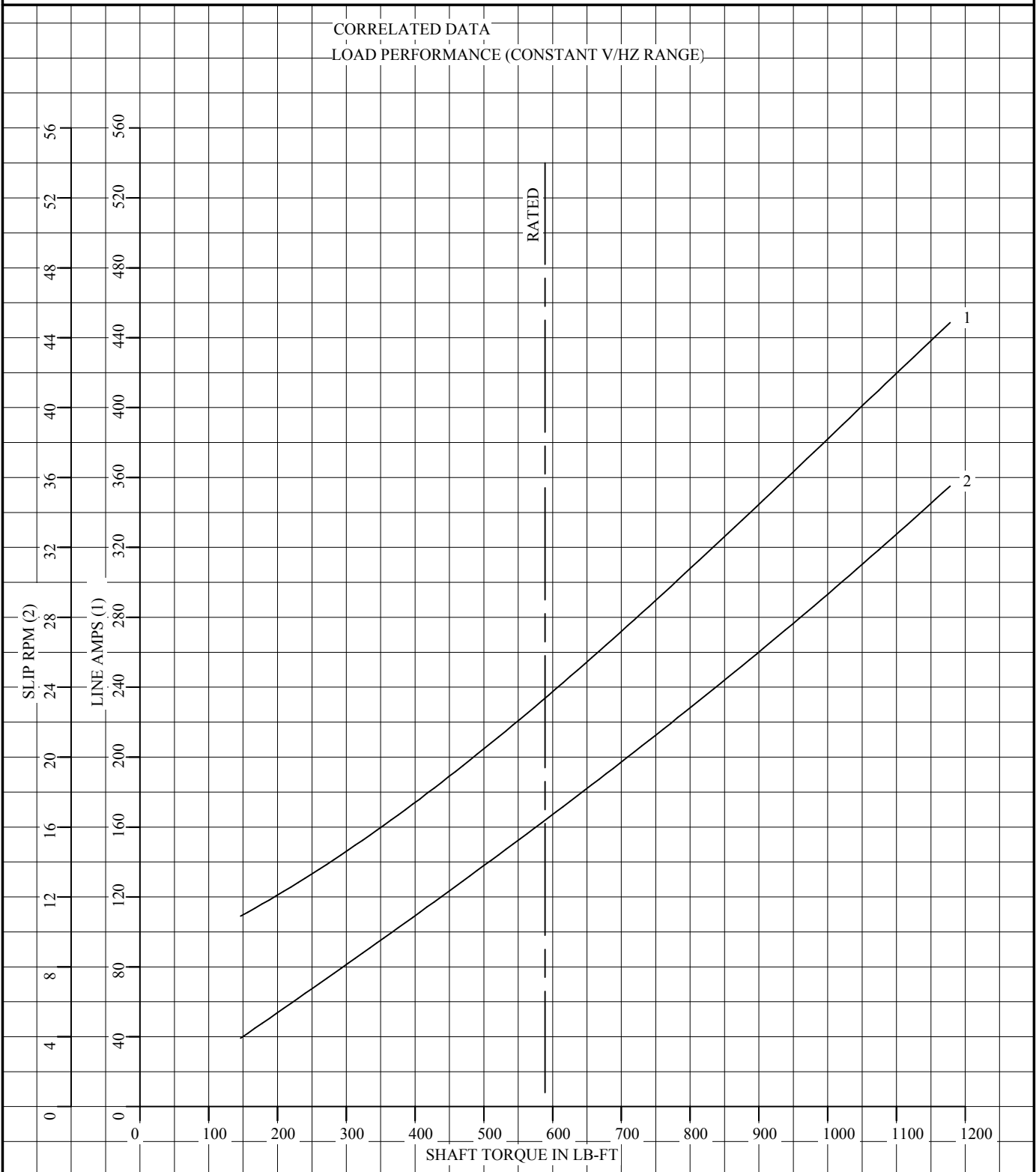
DR. BY K. GREEN
CK. BY B. GRANT
APP. BY J. MARTIN
DATE 06-11-14

**A-C MOTOR
PERFORMANCE
CURVES**

L6189A
SH 1 OF 2
ISSUE DATE 5-2-17

REL S.O.	-	VOLTS	460	ENCLOSURE	TEBC	WYE CONN EQ CKT OHMS PER PHASE	
FRAME	FL3698	AMPS	234	MAX SAFE RPM	3750	(AT BASE RATING, 25 °C)	
HP	200	DUTY	CONT	IM (AMPS)	92	R1 .0107	X1 .0887
BASE SPEED	1785	S.F.	1.0	P.F. @NL/FL	.037/.852	R2 .00771	X2 .111
PHASE/HERTZ	3/60	AMB °C/INSUL	40/H	WK ² (Lb-Ft ²)	35	XM 2.79	

CORRELATED DATA
LOAD PERFORMANCE (CONSTANT V/HZ RANGE)



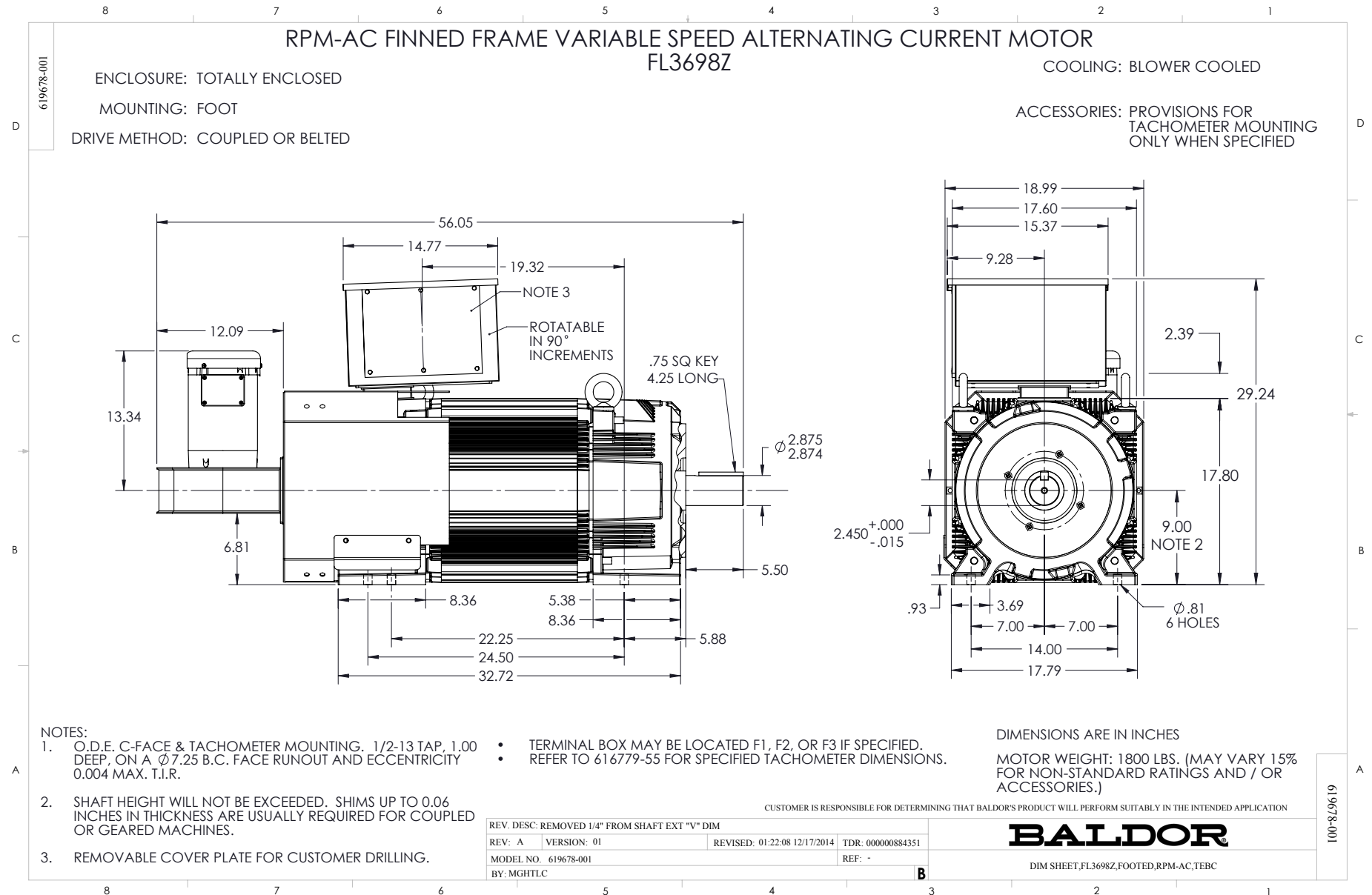
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BALDOR
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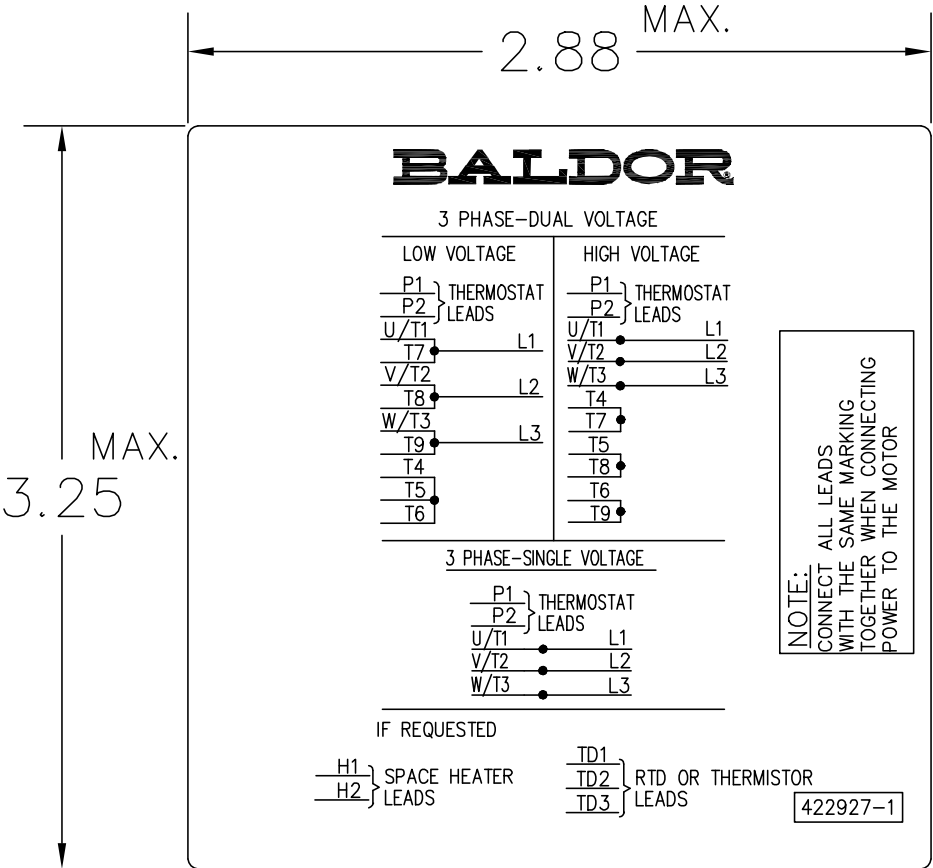
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**A-C MOTOR
PERFORMANCE
CURVES**

L6189A
SH 2 OF 2
ISSUE DATE 5-2-17 Page 7 of 9



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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