

ABB BALDOR RELIANCE III

Customer information packet

IDBRPM362504R1

250HP, 1785/3565RPM, 460V, 3PH, TEBC, FL3614

Specifications

Enclosure	TEAO
Frame	FL3614
Frame Material	Exposed Laminations
Frequency	60.00 Hz
Output @ Frequency	250.000 @ 60 HZ 250.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ 460 V @ 60 HZ
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	286.000 A @ 460.0 V
Duty Rating	CONT
Feedback Device	NO FEEDBACK
Frame Prefix	FL
Heater Indicator	No Heater
High Voltage Full Load Amps	286.0 a
Insulation Class	H
Motor Standards	NEMA
Mounting Arrangement	F3
Overall Length	60.05 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	No Shaft Grounding
Shaft Rotation	Reversible
Speed	1785 rpm
Thermal Device - Bearing	None

Part Detail

Revision	G
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	L5924A
Layout	619682-001
Eff. date	05-03-2022
CD Diagram	422927-001
Poles	04
Leads	
Proprietary	False
Created date	04-09-2015

Thermal Device - Winding

Normally Closed Thermostat

Nameplate

000613006MY									
	DUTY	HP	RPM	AMPS	VOLTS	HZ			
	CONT	250	1785		286	460		60	
	CONT	250	3565		279	460		120	
CAT.NO.	IDBRPM362504R1		SPEC. NO.		P36T1320				
SER.NO			FR	FL 3614	INSUL	H			
PH.	3	MAX SAFE SPEED		3750	AMB.	40	MIN. AMB.		-25
DESIGN NO.	L5924A		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	FL3614	AMPS	286	MAX SAFE RPM	3750	(AT BASE RATING, 25 °C)			
HP	250	DUTY	CONT	IM (AMPS)	101	R1	.00789	X1	.0686
BASE SPEED	1785	S.F.	1.0	P.F.@NL/FL	.036/.869	R2	.00624	X2	.0955
PHASE/HERTZ	3/60	AMB °C/INSUL	40/H	WK ² (Lb-Ft ²)	45			XM	2.53

RATED FULL LOAD DATA

	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
BASE SPEED	1784	250	736	460	60	286
MAX SPEED	3564	250	369	460	120	279
MIN SPEED	0	0	736	6.63	.546	286

LOAD PERFORMANCE AT BASE SPEED

	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
NO LOAD	1800	0	0	460	60	101
1/4	1796	62.6	183	460	60	125
1/2	1792	125	367	460	60	169
3/4	1788	187	551	460	60	225
FULL LOAD	1784	250	736	460	60	286
O/L	1765	495	1472	460	60	554

REMARKS: TYPICAL DATA
CORRELATED DATA

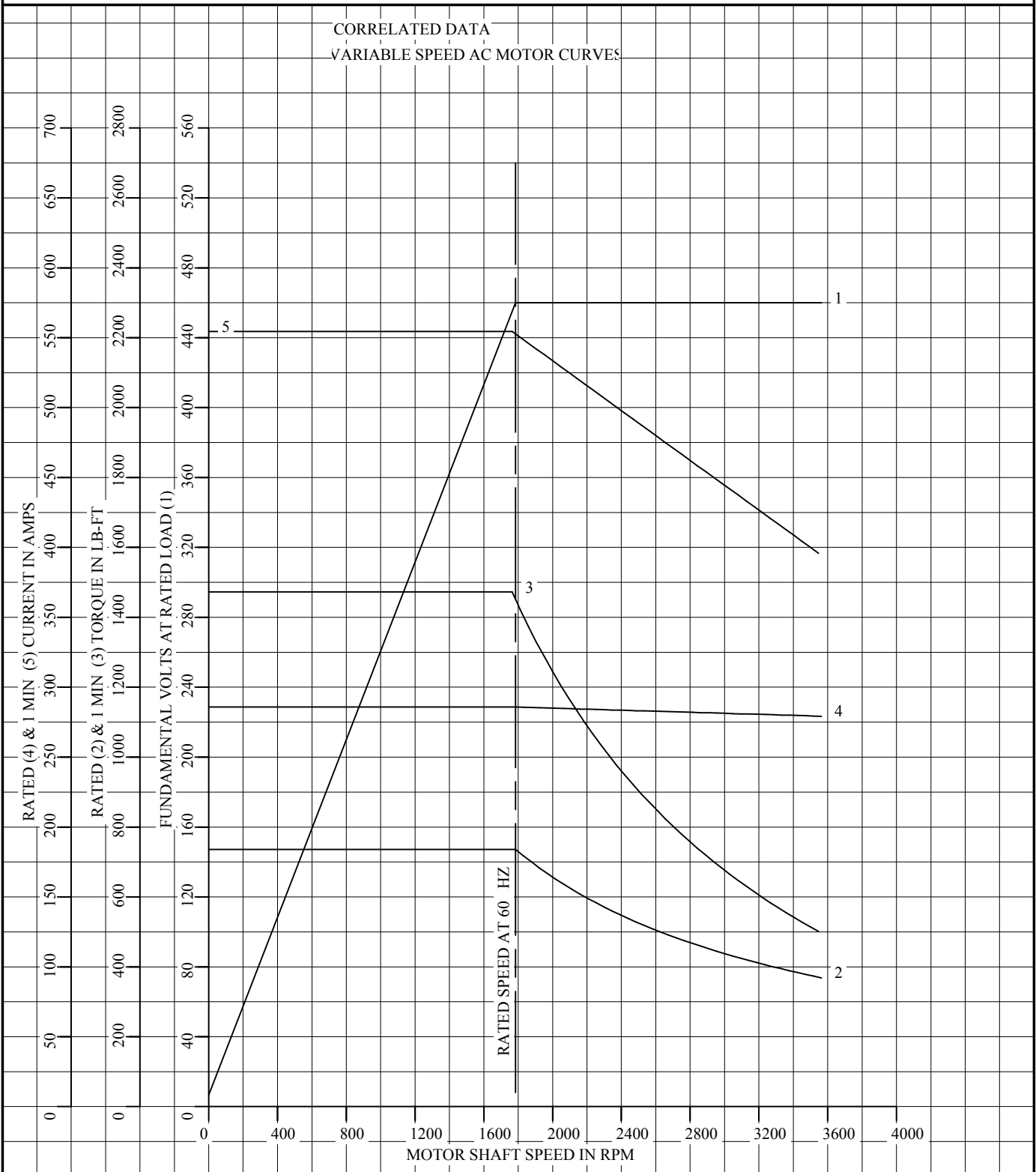


DR. BY B. GRANT
CK. BY B. GRANT
APP. BY J. MARTIN
DATE 8-13-13

**A-C MOTOR
PERFORMANCE DATA** **L5924A**
ISSUE DATE **9-6-16**

REL S.O.	-	VOLTS	460	ENCLOSURE	TEBC	WYE CONN EQ CKT OHMS PER PHASE	
FRAME	FL3614	AMPS	286	MAX SAFE RPM	3750	(AT BASE RATING, 25 °C)	
HP	250	DUTY	CONT	IM (AMPS)	101	R1 .00789	X1 .0686
BASE SPEED	1785	S.F.	1.0	P.F. @NL/FL	.036/.869	R2 .00624	X2 .0955
PHASE/HERTZ	3/60	AMB °C/INSUL	40/H	WK ² (Lb-Ft ²)	45		XM 2.53

CORRELATED DATA
VARIABLE SPEED AC MOTOR CURVES



REMARKS: TYPICAL DATA
DATA VALID FOR NAMEPLATE SPEED RANGE ONLY

BALDOR
A MEMBER OF THE ABB GROUP

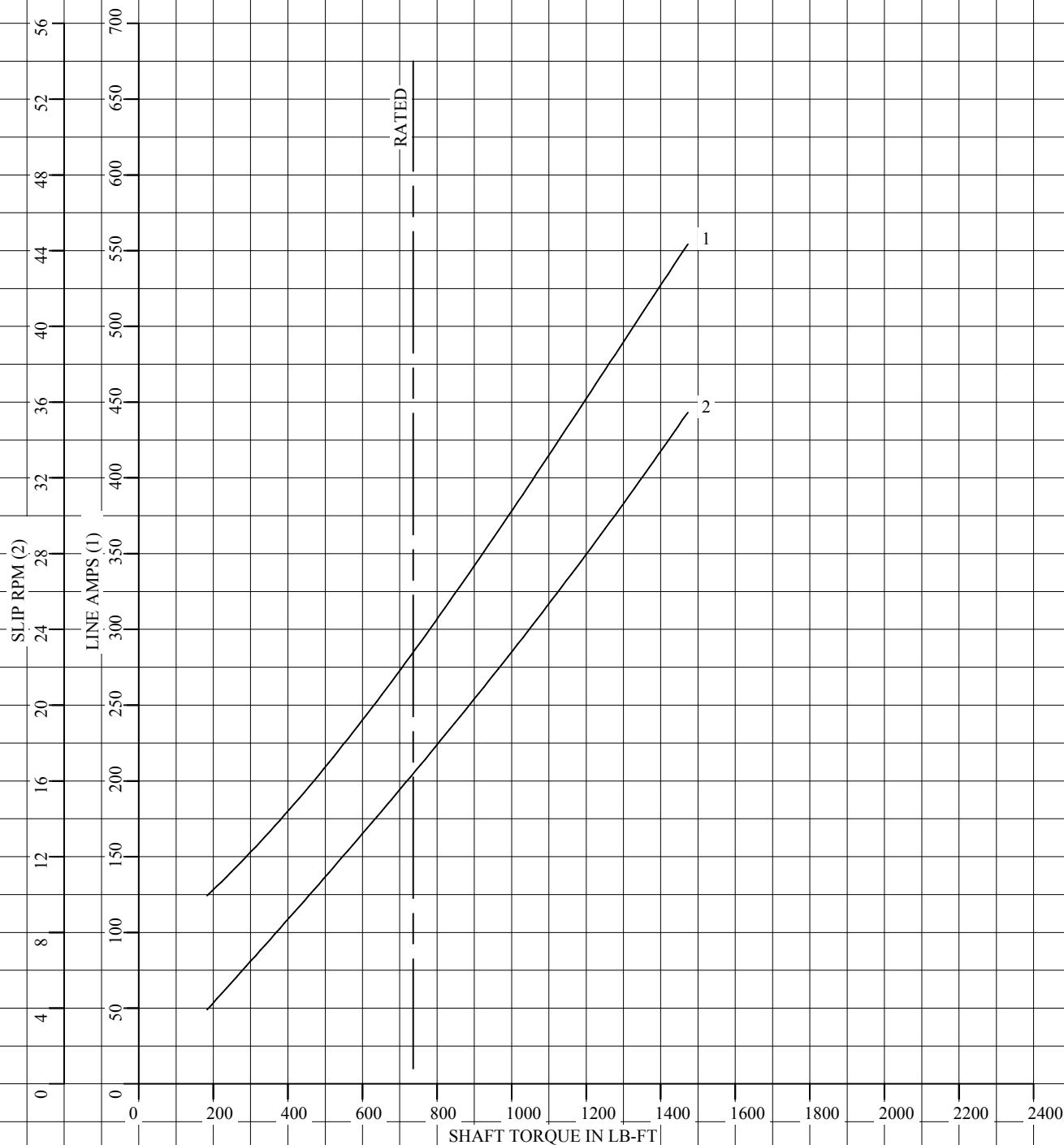
DR. BY B. GRANT
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APP. BY J. MARTIN
DATE 8-13-13

**A-C MOTOR
PERFORMANCE
CURVES**

L5924A
SH 1 OF 2
ISSUE DATE 9-6-16 Page 6 of 9

REL S.O.	-	VOLTS	460	ENCLOSURE	TEBC	WYE CONN EQ CKT OHMS PER PHASE	
FRAME	FL3614	AMPS	286	MAX SAFE RPM	3750	(AT BASE RATING, 25 °C)	
HP	250	DUTY	CONT	IM (AMPS)	101	R1 .00789	X1 .0686
BASE SPEED	1785	S.F.	1.0	P.F. @NL/FL	.036/.869	R2 .00624	X2 .0955
PHASE/HERTZ	3/60	AMB °C/INSUL	40/H	WK ² (Lb-Ft ²)	45	XM 2.53	

CORRELATED DATA
LOAD PERFORMANCE (CONSTANT V/HZ RANGE)



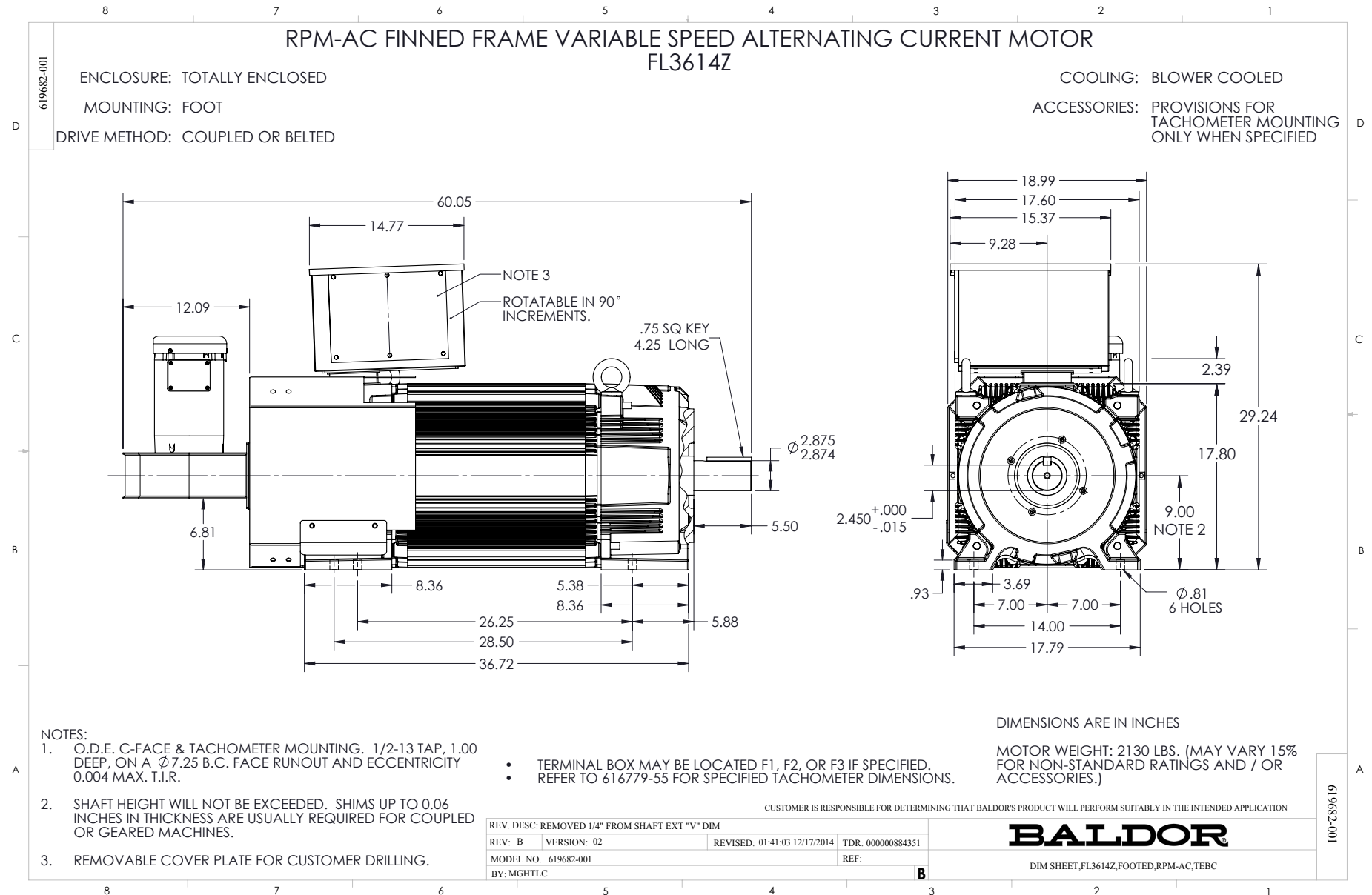
REMARKS: TYPICAL DATA
DATA VALID FOR NAMEPLATE SPEED RANGE ONLY



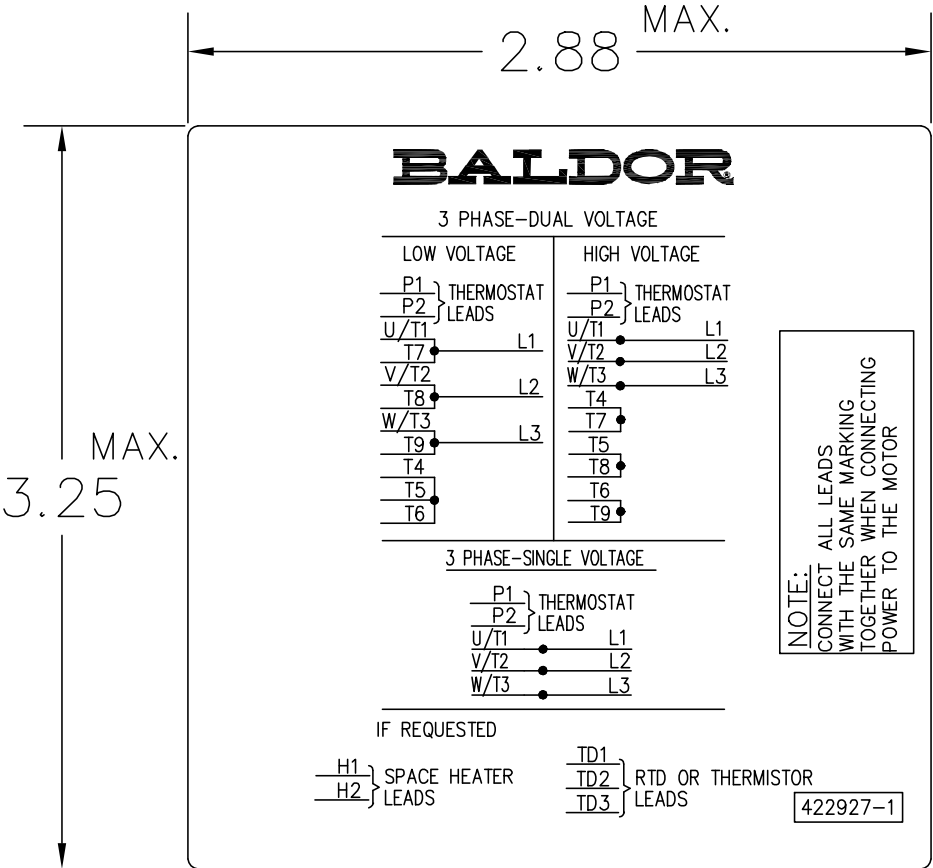
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**A-C MOTOR
PERFORMANCE
CURVES**

L5924A
SH 2 OF 2
ISSUE DATE 9-6-16 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