

ABB BALDOR RELIANCE III

Customer information packet

IDBRPM444004

400.00HP, 1, 750, 3, FL4440Z, TEAO-BC, FOOT

Specifications

Enclosure	TEBC
Frame	FL4440Z
Frame Material	Exposed Laminations
Frequency	90.00 Hz
Output @ Frequency	400.000 HP @ 90 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 90 HZ
Voltage @ Frequency	460.0 V @ 90 HZ
Agency Approvals	CCSA US
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	479.000 A @ 460.0 V
Duty Rating	CONT
Feedback Device	NO FEEDBACK
Frame Prefix	FL
Heater Indicator	No Heater
High Voltage Full Load Amps	479.0 a
Insulation Class	H
Motor Standards	NEMA
Mounting Arrangement	F3
Overall Length	78.57 IN
Product Family	General Industrial
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.00
Shaft Diameter	4.250 IN
Shaft Ground Indicator	Shaft Grounding
Shaft Rotation	Reversible
Speed	1790 rpm
Thermal Device - Bearing	None
Thermal Device - Winding	Normally Closed Thermostat

Part Detail

Revision	F
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	L4344A
Layout	617566-001
Eff. date	05-03-2022
CD Diagram	422927-001
Poles	06
Leads	
Proprietary	False
Created date	04-09-2015

Nameplate

000613006MY									
	DUTY	HP	RPM	AMPS	VOLTS	HZ			
	CONT	400	1790		479	460		90	
	CONT	400	2500		474	460		125.8	
CAT.NO.	IDBRPM444004			SPEC. NO.	B515359				
SER.NO				FR	FL 4440Z	INSUL	H		
PH.	3	MAX SAFE SPEED			2800	AMB.	40	MIN. AMB.	-25
DESIGN NO.	L4344A	TYPE				ENCL.	TEAO-BC		
S.F.	1.0			D.E. BRG.	100BC02J30X				
ENCL MOD				O.D.E. BRG.	6222/C3VL0241				

REL S.O.	-	VOLTS	460	ENCLOSURE	TEBC	WYE CONN EQ CKT OHMS PER PHASE		
FRAME	FL4440	AMPS	479	MAX SAFE RPM	2800	(AT BASE RATING, 25 °C)		
HP	400	DUTY	CONT	IM (AMPS)	161	R1	.00293	X1 .0526
BASE SPEED	1790	S.F.	1.0	P.F.@NL/FL	.035/.825	R2	.00250	X2 .100
PHASE/HERTZ	3/90	AMB °C/INSUL	40/H	WK ² (Lb-Ft ²)	169			XM 1.48

RATED FULL LOAD DATA

	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
BASE SPEED	1789	400	1174	460	90	479
MAX SPEED	2500	400	841	460	125.8	475
MIN SPEED	0	0	1174	4.12	.5496	479

LOAD PERFORMANCE AT BASE SPEED

	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
NO LOAD	1800	0	0	460	90	161
1/4	1797	100	292	460	90	209
1/2	1795	200	586	460	90	282
3/4	1792	300	879	460	90	375
FULL LOAD	1789	400	1174	460	90	479
O/L	1775	794	2349	460	90	942

REMARKS: CORRELATED DATA



DR. BY	R. SMITH
CK. BY	B. GRANT
APP. BY	S. EVON
DATE	9-9-09

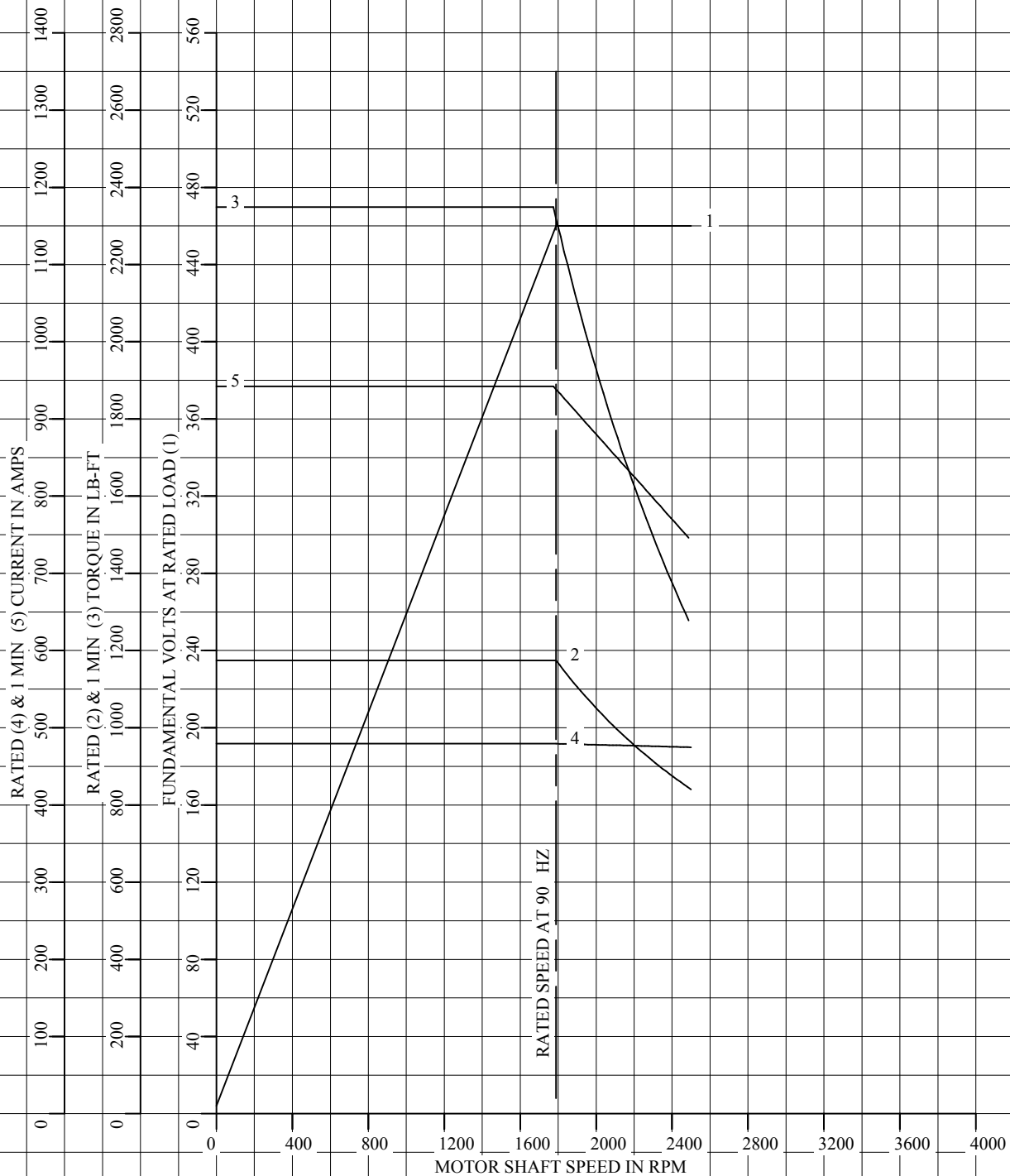
**A-C MOTOR
PERFORMANCE DATA** **L4344A**

ISSUE DATE 10-18-16

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REL S.O.	-	VOLTS	460	ENCLOSURE	TEBC	WYE CONN EQ CKT OHMS PER PHASE	
FRAME	FL4440	AMPS	479	MAX SAFE RPM	2800	(AT BASE RATING, 25 °C)	
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BASE SPEED	1790	S.F.	1.0	P.F. @NL/FL	.035/.825	R2 .00250	X2 .100
PHASE/HERTZ	3/90	AMB °C/INSUL	40/H	WK ² (Lb-Ft ²)	169	XM 1.48	

CORRELATED DATA
VARIABLE SPEED AC MOTOR CURVES



REMARKS:

DATA VALID FOR NAMEPLATE SPEED RANGE ONLY

BALDOR
A MEMBER OF THE ABB GROUP

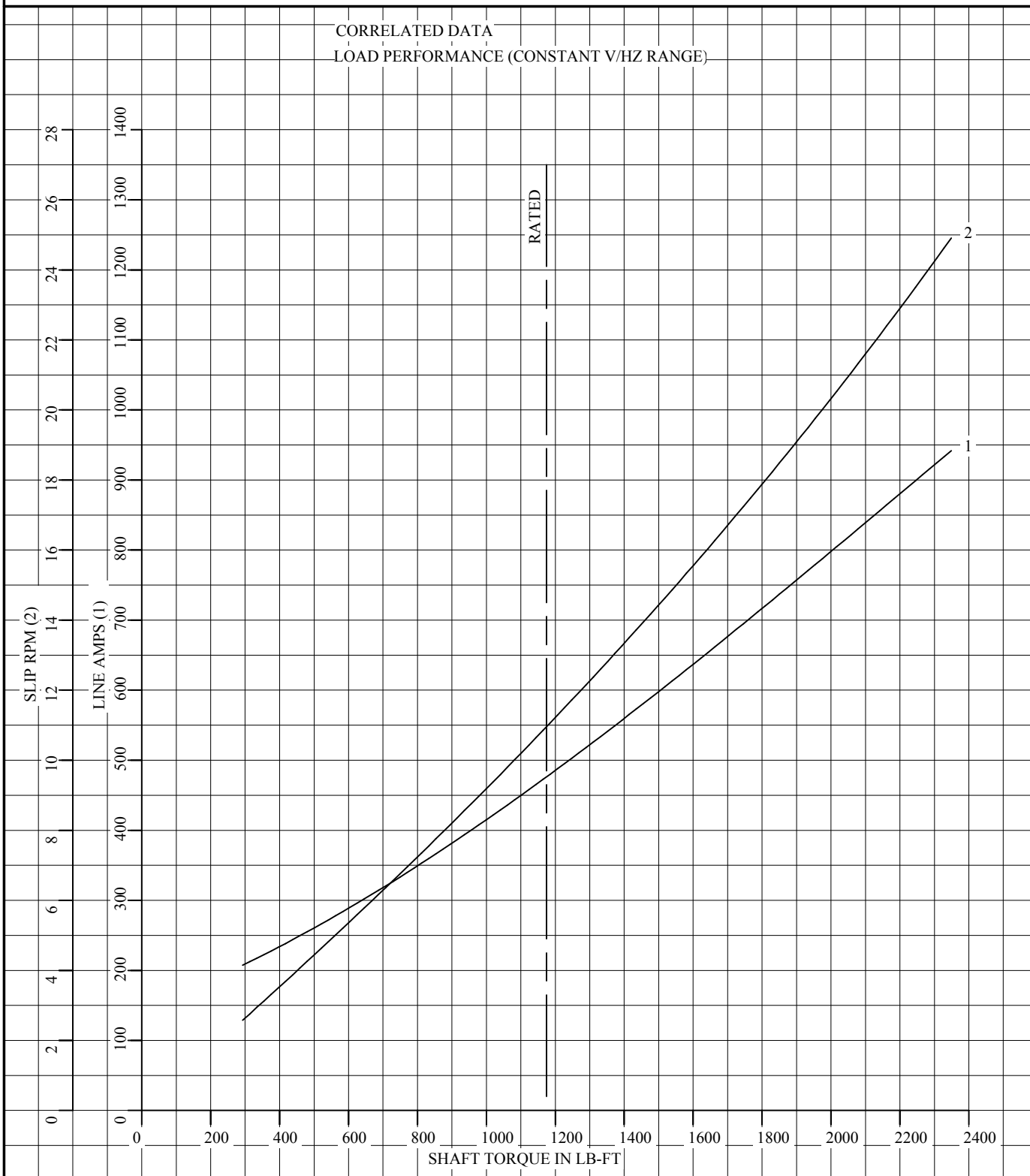
DR. BY R. SMITH
CK. BY B. GRANT
APP. BY S. EVON
DATE 9-9-09

**A-C MOTOR
PERFORMANCE
CURVES**

L4344A
SH 1 OF 2
ISSUE DATE 10-18-16 Page 5 of 8

REL S.O.	-	VOLTS	460	ENCLOSURE	TEBC	WYE CONN EQ CKT OHMS PER PHASE	
FRAME	FL4440	AMPS	479	MAX SAFE RPM	2800	(AT BASE RATING, 25 °C)	
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PHASE/HERTZ	3/90	AMB °C/INSUL	40/H	WK ² (Lb-Ft ²)	169	XM 1.48	

CORRELATED DATA
LOAD PERFORMANCE (CONSTANT V/HZ RANGE)



REMARKS:

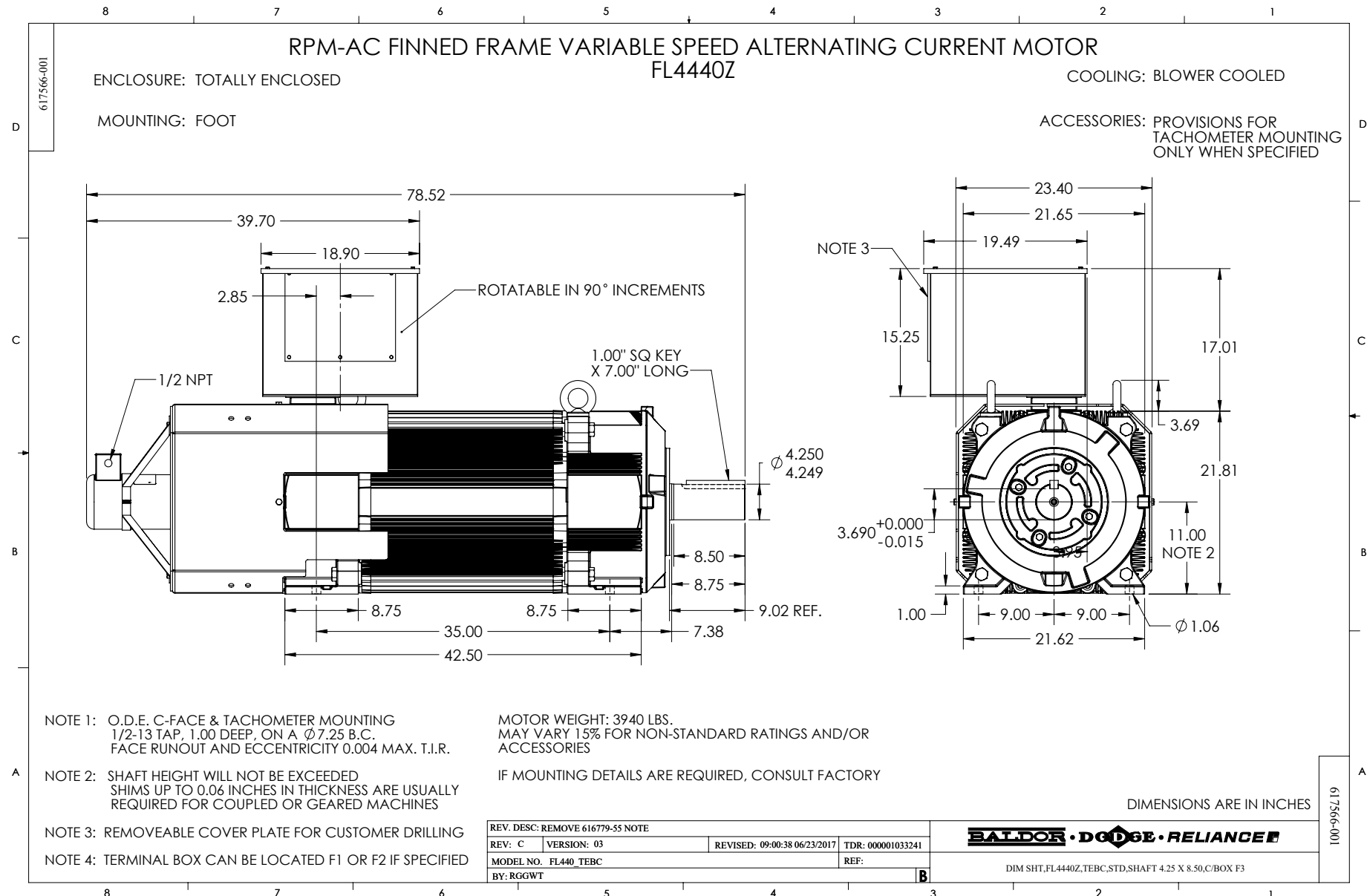
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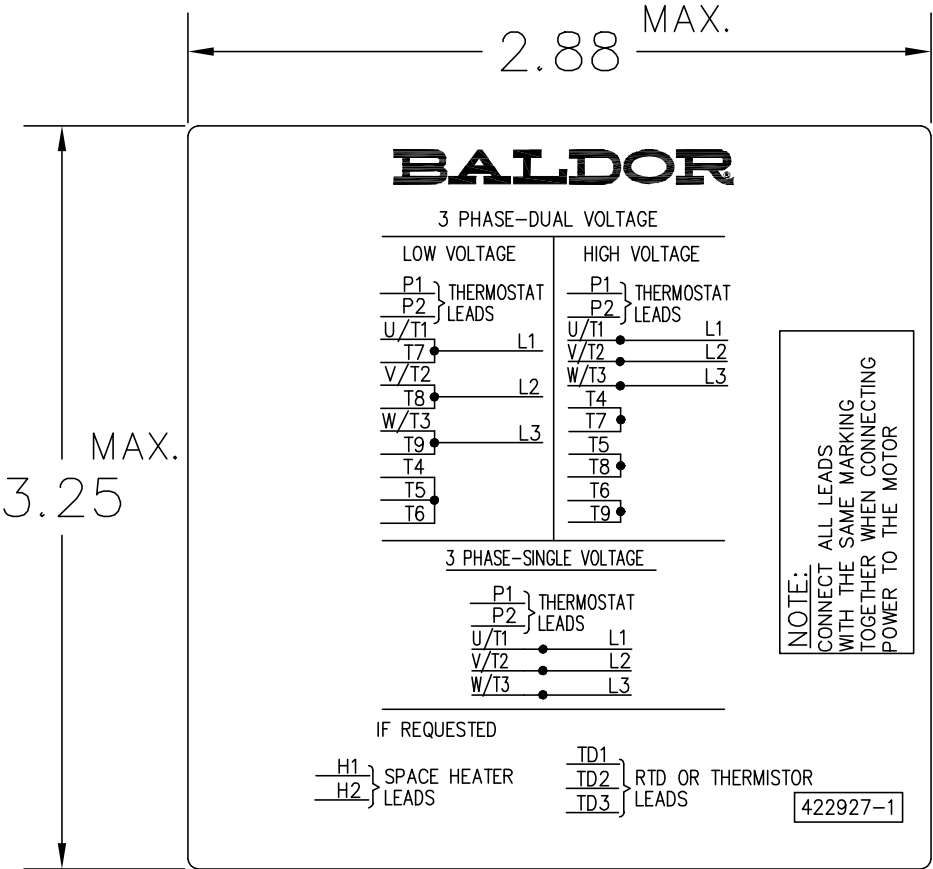
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**A-C MOTOR
PERFORMANCE
CURVES**

L4344A
SH 2 OF 2
ISSUE DATE 10-18-16



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