

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				

Parts List

Part number	Description	Quantity
WS287846	WS B515359	1.000 ea
RA284091	RA B515359	1.000 ea
000692000NH	LABEL DIRECTION AIR FL	1.000 ea
000692000XM	LABEL QR CODE	1.000 ea
LB1613	LABEL, QR CODE, ADHESIVE LABEL	1.000 ea
418057249A	LABEL (WARNING)	1.000 ea
033775004EA	DRSCR #6-1/4 304 S.S.	4.000 ea
000613006MY	NP-RPMAC INVERTER DUTY	1.000 ea
422927001	C/D LABEL	1.000 ea
004824007AB	PAINT,XT	0.100 ea
004824015A	GREASE POLYREX EM	1.100 lb
034693003AB	PPLG 3/8" SLOT PIPE PLUG	1.000 ea
034693003AB	PPLG 3/8" SLOT PIPE PLUG	1.000 ea
035000001A	ALFTG 1/8" 1610-BL	1.000 ea
035000001BB	GREASE FTG,GRS.IN	1.000 ea
036000080KB	HHCSM10-1.5X80MMPLTD-360	4.000 ea
036000080KB	HHCSM10-1.5X80MMPLTD-360	4.000 ea
036140001F	M30-3.5 X 45MM EYEBOLT	2.000 ea
036500014AB	M-20 METRIC HEX NUT	4.000 ea
036500014AB	M-20 METRIC HEX NUT	4.000 ea
418150003A	GREASE FITTING CAP	2.000 ea
424433001A	WAVY SPRING WSHER	1.000 ea
036000016DB	HHCS	4.000 ea
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 ea
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 ea
807587003AAA	BRKT,DE,FL440	1.000 ea
BP5068BJ01	BRUSH, .187 X .187 X 1.00	2.000 ea
807587004AAB	BRKT,ODE,FL440	1.000 ea
032018008CK	HHCS 3/8-16X1L PLATED	4.000 ea
034530024AB	PNIPL 1/8X3L PLATED	1.000 ea
034630001AJ	1/8" PIPE COUPLING	1.000 ea

036000012KB	M10 1.50 X 12MM HXHDCS	4.000 ea
036000020HD	HHCS M6X20MM LONG 304S.S	8.000 ea
036000016KB	HHCSM10-1.5X16MM PLTD-280	2.000 ea
036000020HB	HHCS M6-1.0X20MM PLATED	2.000 ea
036000020JD	HHCS M8X20MM LONG 304S.S	5.000 ea
036000025KB	HHCS,BRACE C/BOX M10X25 HXHDCS 304528	2.000 ea
036000025KB	HHCS,BRACE C/BOX M10X25 HXHDCS 304528	4.000 ea
036000025KB	HHCS,BRACE C/BOX M10X25 HXHDCS 304528	8.000 ea
036000070LB	MHHCS M12-1.75X70M -360	4.000 ea
036500008AB	METRIC H.NUT M6-1.0 PLTD	2.000 ea
036600008AB	MFWSH M6 PLATED	4.000 ea
036600008AD	FLTWSHR,T BLK SPT	8.000 ea
036610010AB	MHSLW M10 PLATED	4.000 ea
036620010AB	M10 EXT. TOOTH LK WASHER	1.000 ea
036620010AB	M10 EXT. TOOTH LK WASHER	2.000 ea
049730000H	PLUG 1.25"	1.000 ea
049730000H	PLUG 1.25"	1.000 ea
417733036B	GASKT,C/BOX BACKPLATE,REF 706310063E	1.000 ea
415000103F	TLUG	2.000 ea
417733004M	GASKT	2.000 ea
417733013E	GASKT L440	1.000 ea
417733014F	GASKT L440	1.000 ea
418010012F	CONDUIT BOX SPACER	1.000 ea
418018074A	GROUND LABEL G100 METRIC 160 D.C.	4.000 ea
418019012A	SETSCREW METRIC	2.000 ea
418057256C	HHCS M10 25MM 440 IEC	1.000 ea
418057549	RTD LABEL	1.000 ea
610490007A	2/1.5KWHP,1760 1/MINRPM,3PH,60HZ,56CZ,35	1.000 ea
613450026A	FAN	1.000 ea
706310058E	KOBX CVR - 18.90 [480] X 19.49 [495]	1.000 ea
706310389A	706310389AA ENTRY PLATE	1.000 ea
706310063E	CBOX L440 1260A MAX	1.000 ea
706310082A	ADAPT (CBOX) L440	1.000 ea
034530016AB	P/NIP 1/8X2 PLATED - 320	1.000 ea

807500074A	FL440,FAN CVR,TOP MTG	1.000 ea
807500075A	MTR BRACE, BLOWER, FL440, TEBC	1.000 ea
807500075B	FL440,BLWR MOTOR BRACE	1.000 ea
807500076A	FL440,FAN CVR GRILL	1.000 ea
000640000P	TAG WINDING THERMOST	1.000 ea
034180056LA	KEY 1X1X7 L	1.000 ea
036000025NF	SCREW, HEX M16 BRASS	2.000 ea
004824007CQR	C2 PAINT SYSTEM MEDIUM GRAY CHARCOAL MET	0.300 ea
417744143G	PACKAGING (PHANTOM)	1.000 ea
609830005ADH	TBOLT METRIC M20-2.5 X 33.13	4.000 ea
BP5248	BP5248	2.000 ea
LB1549	LABEL, BLANK 1.375 X 2.250 IMPRINTABLE	1.000 ea

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



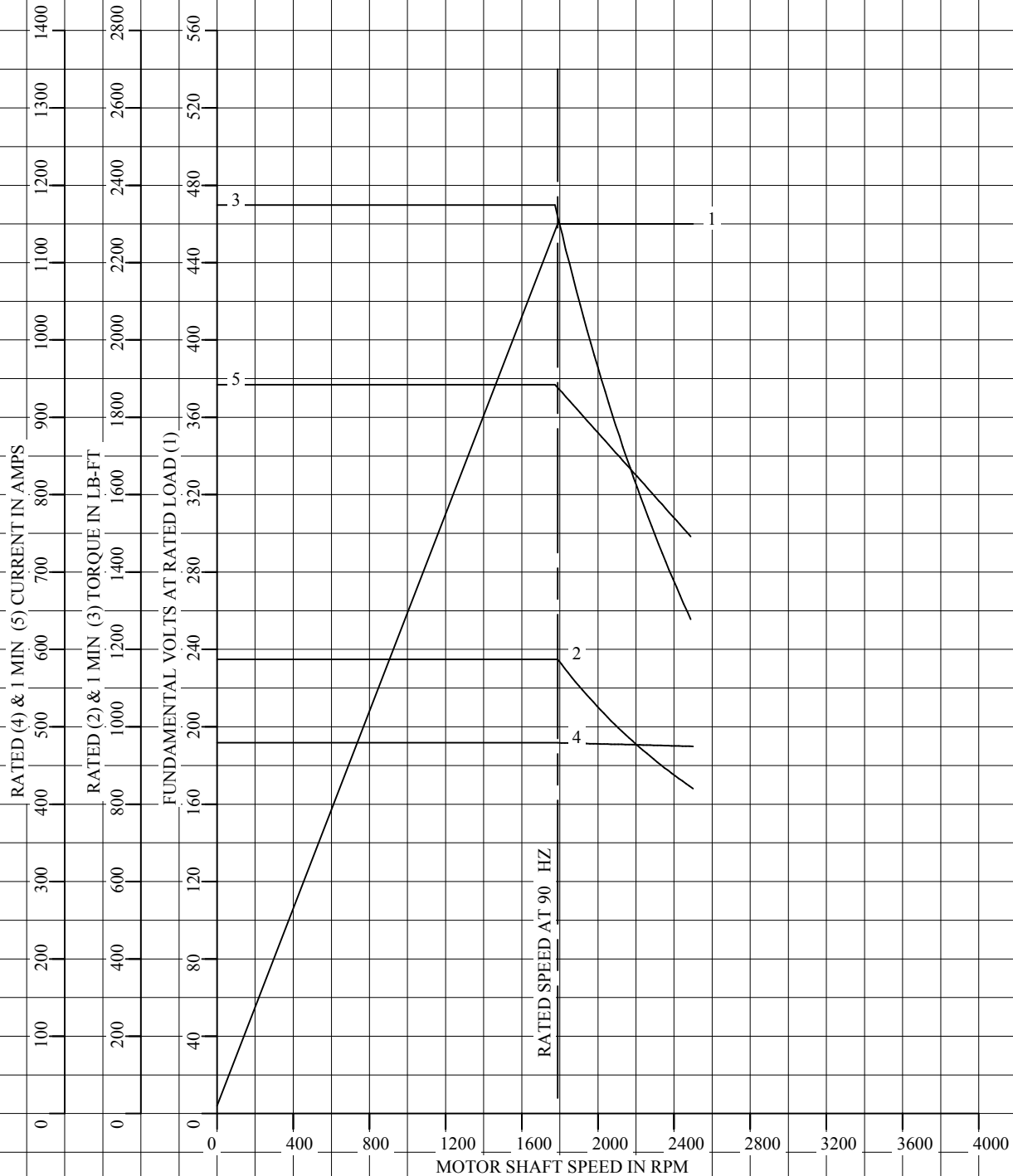
DR. BY	R. SMITH
CK. BY	B. GRANT
APP. BY	S. EVON
DATE	9-9-09

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

ISSUE DATE 10-18-16 Page 7 of 11

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	

CORRELATED DATA
VARIABLE SPEED AC MOTOR CURVES



REMARKS:

DATA VALID FOR NAMEPLATE SPEED RANGE ONLY



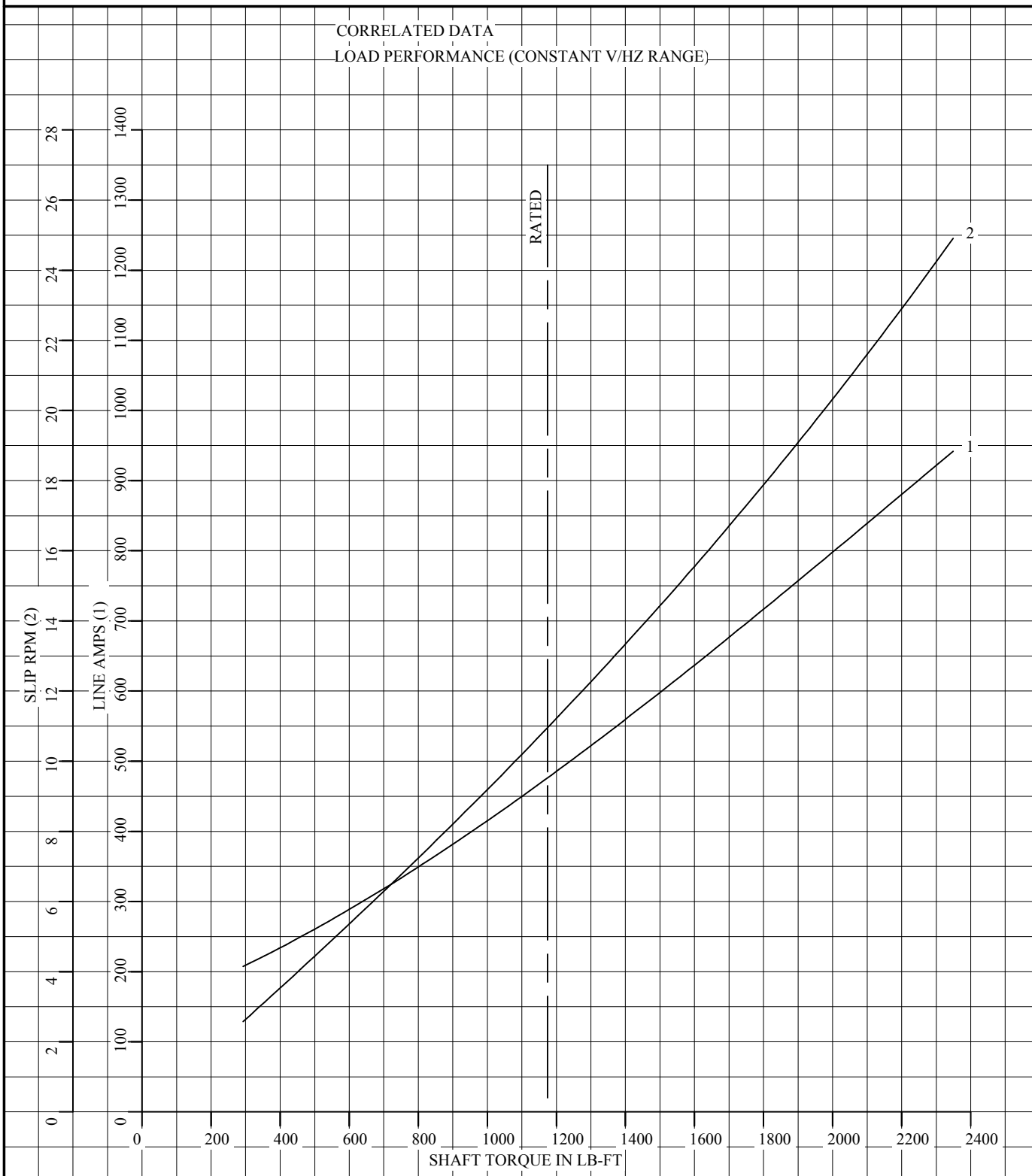
DR. BY R. SMITH
CK. BY B. GRANT
APP. BY S. EVON
DATE 9-9-09

**A-C MOTOR
PERFORMANCE
CURVES**

L4344A
SH 1 OF 2
ISSUE DATE 10-18-16

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	

CORRELATED DATA
LOAD PERFORMANCE (CONSTANT V/HZ RANGE)



REMARKS:

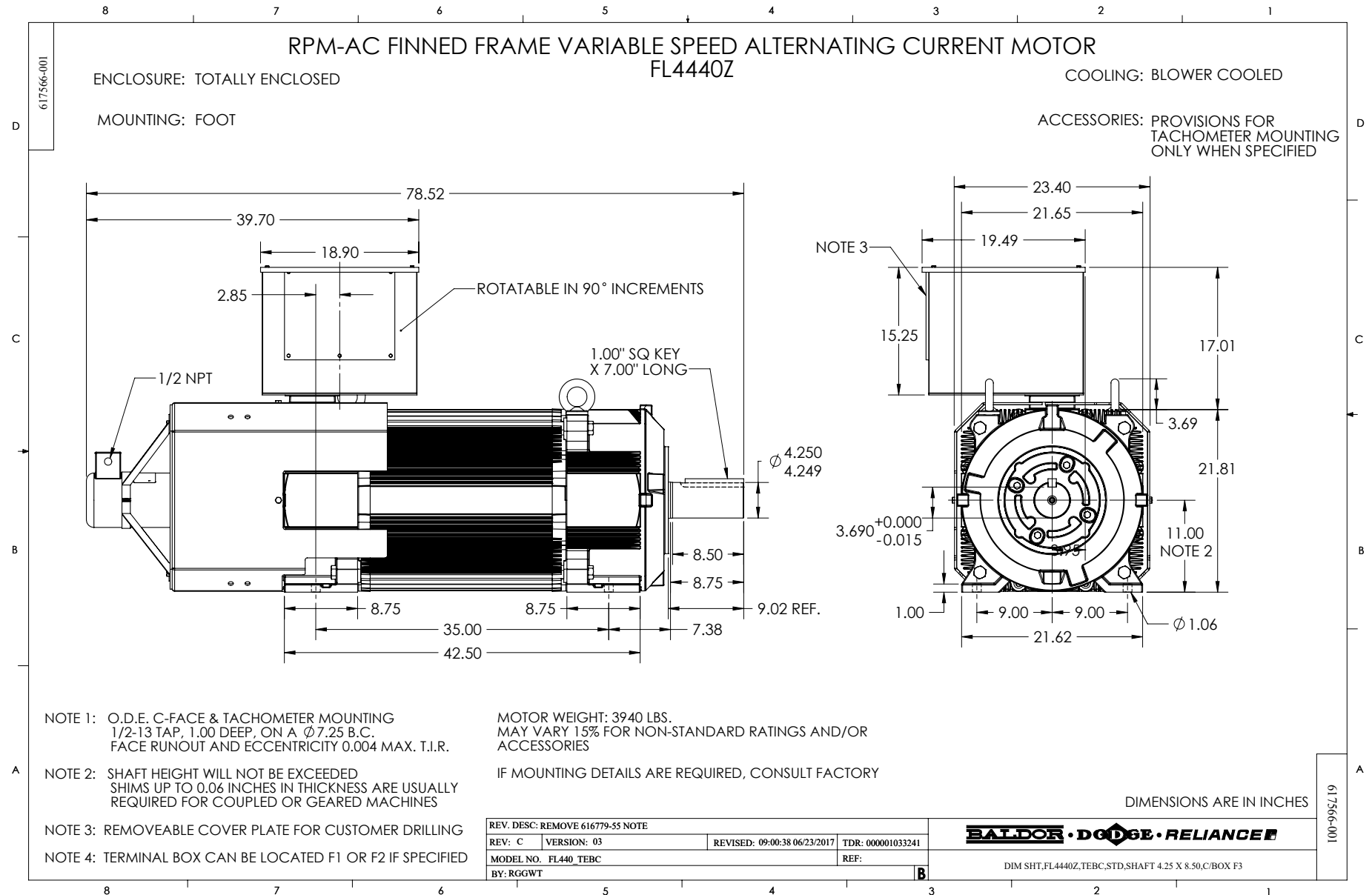
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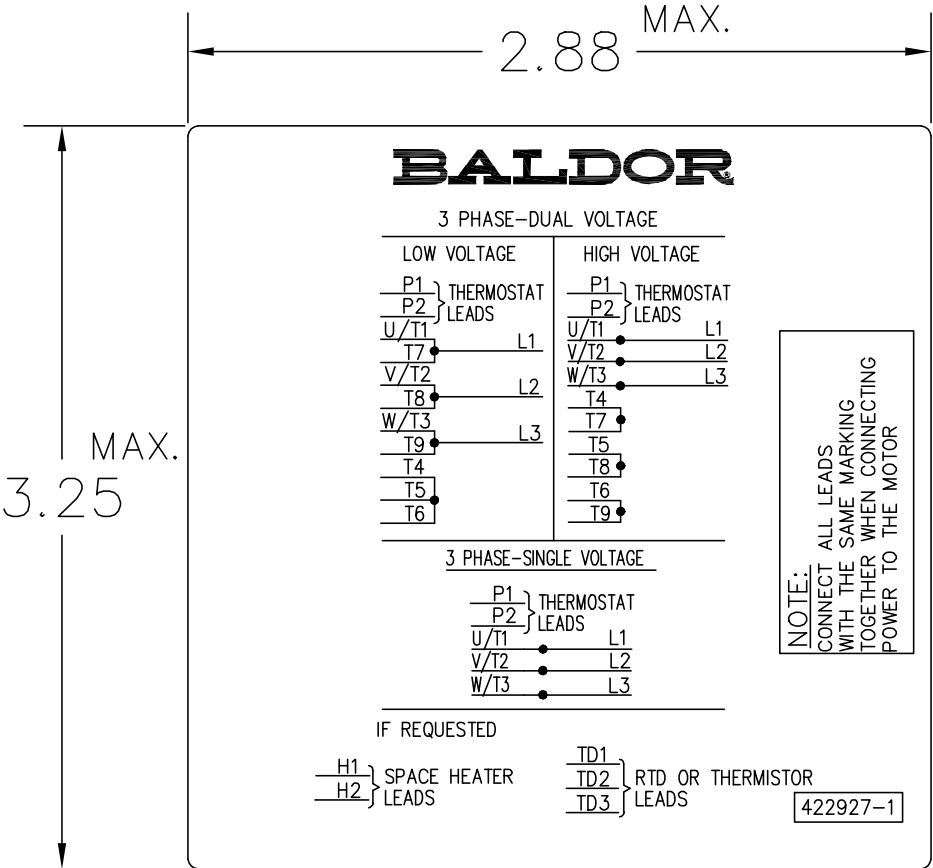
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**A-C MOTOR
PERFORMANCE
CURVES**

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