ABB BALDOR RELIANCE

Customer information packet

IDBRPM403004R1

300HP, 1785/3570RPM, 460V, 3PH, TEBC, FL4034

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Specifications

Enclosure	TEBC
Frame	FL4034
Frame Material	Exposed Laminations
Frequency	60.00 Hz
Output @ Frequency	300.000 @ 60 HZ
	300.000 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	341.000 A @ 460.0 V
Duty Rating	CONT
Feedback Device	NO FEEDBACK
Frame Prefix	FL
Heater Indicator	No Heater
High Voltage Full Load Amps	341.0 a
Insulation Class	H
Motor Standards	NEMA
Mounting Arrangement	F3
Overall Length	65.46 IN
Product Family	General Industrial
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.00
Shaft Diameter	3.624 IN
Shaft Ground Indicator	Shaft Grounding
Shaft Rotation	Reversible
Speed	1785 rpm

Part Detail

Revision	E
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	L6190A
Layout	619653-001
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	300	1785	341	460	60
CONT	300	3570	334	460	120

CAT.NO.	IDBRPM403004R1		**SPEC. NO.**	P40T1331			
SER.NO		**FR**	FL 4034	**INSUL**	H		
PH.	3	**MAX SAFE SPEED**	3750	**AMB.**	40	**MIN. AMB.**	-25
DESIGN NO.	L6190A	**TYPE**		**ENCL.**	TEAO-BC		
S.F.	1.00	**D.E. BRG.**	95BC02J30X				
ENCL MOD		**O.D.E. BRG.**	6316/C3VL0241				

Parts List

Part number	Description	Quantity
WS286589	WS P40T1331	1.000 ea
RA282821	RA P40T1331	1.000 ea
000692000NH	LABEL DIRECTION AIR FL	1.000 ea
LB1613	LABEL, QR CODE, ADHESIVE LABEL	1.000 ea
000692000XM	LABEL QR CODE	1.000 ea
418018122A	LABEL	2.000 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
004824015A	GREASE POLYREX EM	0.900 lb
034690002AL	1/4 SQ.HD.PIPE PLUG	1.000 ea
034690002AL	1/4 SQ.HD.PIPE PLUG	1.000 ea
035000001A	ALFTG 1/8" 1610-BL	1.000 ea
035000001A	ALFTG 1/8" 1610-BL	1.000 ea
036100090KA	HSHCS BRACKET LE	4.000 ea
036100090KA	HSHCS BRACKET LE	4.000 ea
036140001F	M30-3.5 X 45MM EYEBOLT	2.000 ea
036500013AB	M16 X 2.0 HX NUT,ODE BRKT 304589	4.000 ea
BP5248	BP5248	2.000 ea
036500013AB	M16 X 2.0 HX NUT,ODE BRKT 304589	4.000 ea
418150003A	GREASE FITTING CAP	2.000 ea
419912001B	W WASHER	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
609830005ACM	TBOLT	2.000 ea
609830005ACX	STUD,FRAME,FL4034	2.000 ea
807586003AAA	BRKT,FL400,DE	1.000 ea
BP5068BJ01	BRUSH, .187 X .187 X 1.00	2.000 ea
807586004AAB	BRKT,FL400,ODE	1.000 ea
000613006NT	NAME PLATE IEC	1.000 ea

032018006CK	HHCS 3/8-16X3/4L PLATED 411409	4.000 ea
034017014AB	LCKW 3/8 STD. PLATED	4.000 ea
036000012JB	M8-1.25 X 12MM HXHDC	3.000 ea
036000020HD	HHCS M6X20MM LONG 304S.S	8.000 ea
036000016JB	HHCS M8-1.25X16MMPLTD-250	4.000 ea
036000020JD	HHCS M8X20MM LONG 304S.S	5.000 ea
036000025JB	HHCS M8X25MM LONG PLATED	4.000 ea
036000055KB	M10-1.5 X 55MM HHCS	4.000 ea
036600008AD	FLTWSHR,T BLK SPT	8.000 ea
036620010AB	M10 EXT. TOOTH LK WASHER	1.000 ea
034630001AJ	1/8" PIPE COUPLING	1.000 ea
417733036C	GASKT,C/BOX BACKPLATE,REF 706310063B	1.000 ea
406673002C	.75 CAP PLUG	1.000 ea
410978010E	INLET FLGE	1.000 ea
410978019A	SCREEN, INLET FLANGE	1.000 ea
417733004G	GASKT	2.000 ea
611917002F	GASKT	1.000 ea
417733013B	GASKT (REK P/N 189486)	1.000 ea
417733014C	GASKT (REK P/N 187215)	1.000 ea
418014014T	ADAPT,C/BOX 418014014XT	1.000 ea
418018074A	GROUND LABEL G100 METRIC 160 D.C.	1.000 ea
418057256C	HHCS M10 25MM 440 IEC	1.000 ea
036000016KB	HHCSM10-1.5X16MM PLTD-280	10.000 ea
610490001DG	2HP,3450//2890RPM,3PH,60//50HZ,56C,3532M	1.000 ea
415000003E	T/LUG #4AWG-1/0AWG W/HOLE FOR .375 BOLT	1.000 ea
611965001A	WHEEL, BLOWER	1.000 ea
613439048A	C/BOX,ADAPT,BACKPLATE	1.000 ea
034530016AB	P/NIP 1/8X2 PLATED - 320	1.000 ea
706310058B	CBCVR(REK P/N 187296)	1.000 ea
706310389B	ENTRY PLATE 706310389AB	1.000 ea
706310063B	CBOX (REK)	1.000 ea
708528004B	BLOWER HOUSING	1.000 ea
804816051A	CVR,FAN,BRACE,FL400	4.000 ea
804816053A	CVR,FAN,FL400	1.000 ea

036000025LB	HHCS M12-1.75X25 ZP 304538 036000025LA	8.000 ea
804816054A	GUARD,BLWR,FL400	2.000 ea
804816055A	GRILL,BLWR,FL400	1.000 ea
000640000P	TAG WINDING THERMOST	1.000 ea
004824007CQR	C2 PAINT SYSTEM MEDIUM GRAY CHARCOAL MET	0.300 ea
034180046KA	KEY 7/8X7/8X5-3/4L	1.000 ea
LB1549	LABEL, BLANK 1.375 X 2.250 IMPRINTABLE	1.000 ea
004824007AB	PAINT,XT	0.100 ea

SPEC		VOLTS	460	ENCLOSURE	TEBC	WYE CONN EQ CKT OHMS PER PHASE (AT BASE RATING, 25°C)			
FRAME	FL4034	AMPS	341	MAX SAFE SPEED	3750				
HP	300	DUTY	CONT	IM (AMPS)	102	R1	.00622	X1	.0596
BASE SPEED	1785	S.F.	1.0	P.F. @NL / FL	.042/.874	R2	.00444	X2	.0774
PHASE/HZ	3/60	AMB.°C / INSUL	40/H	WK² (Lb-Ft²)	73			XM	2.17

RATED FULL LOAD DATA

	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
BASE SPEED	1787	300	882	460	60	339
MAX SPEED	3601	300	438	460	121	334
MIN SPEED	0	0	882	6.20	.441	339

LOAD PERFORMANCE AT BASE SPEED

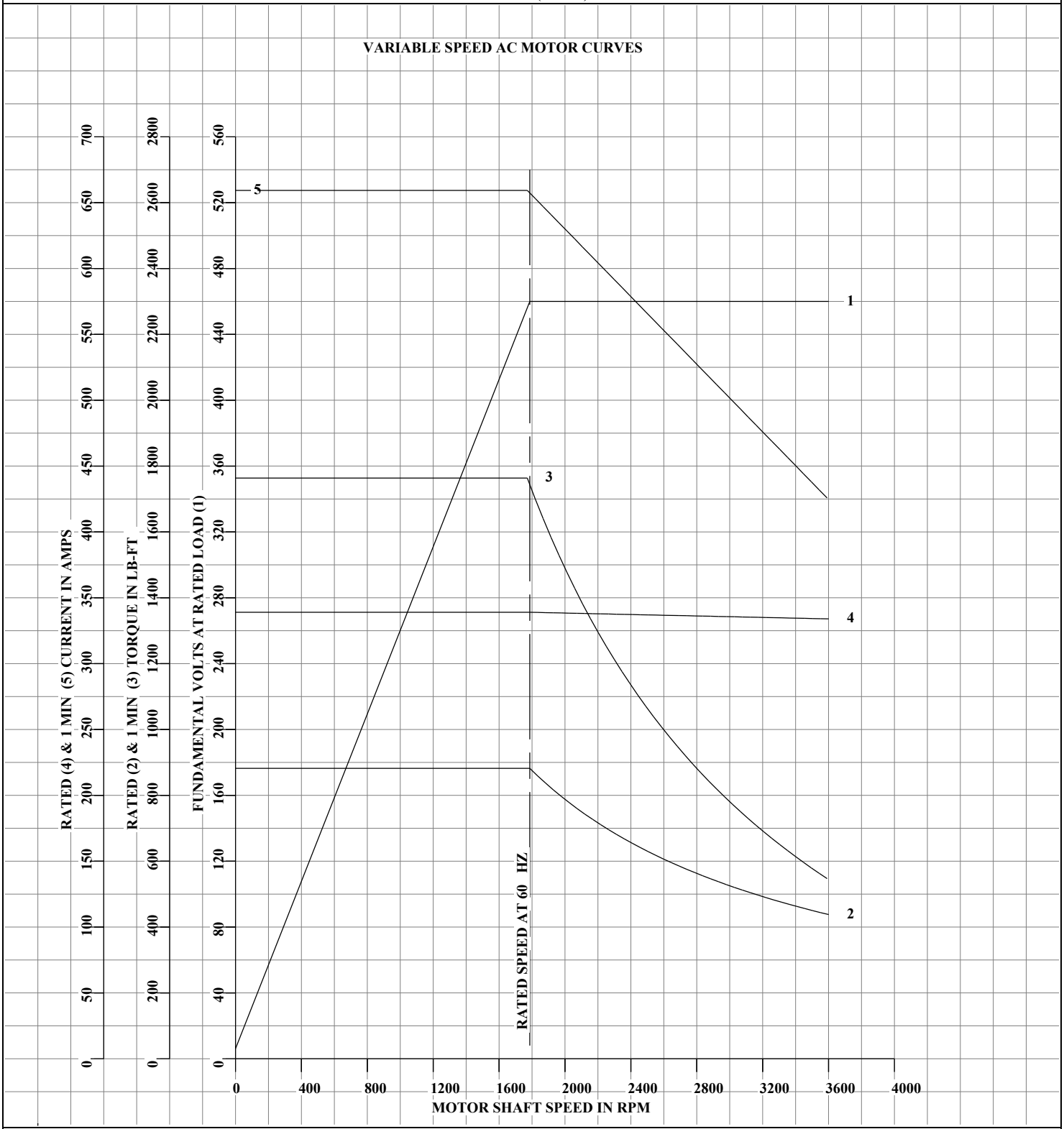
	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
NO LOAD	1800	0	0	460	60	120
1/4	1797	75.1	219	460	60	146
1/2	1794	150	440	460	60	200
3/4	1790	225	660	460	60	267
FULL LOAD	1787	300	882	460	60	339
0/L	1772	595	1764	460	60	659

REMARKS:
TYPICAL DATA

ABB	DRAWN BY: K. GREEN CHECKED BY: B. D. GRANT APPROVED BY: J. MARTIN DATE: 6-10-14	AC MOTOR PERFORMANCE DATA	L6190A ISSUE DATE 6-10-14

		VOLTS	460	ENCLOSURE	TEBC	WYE CONN EQ CKT OHMS PER PHASE (AT BASE RATING, 25°C)			
FRAME	FL4034	AMPS	341	MAX SAFE SPEED	3750				
HP	300	DUTY	CONT	IM (AMPS)	102	R1	.00622	X1	.0596
BASE SPEED	1785	S.F.	1.0	P.F. @NL / FL	.042/.874	R2	.00444	X2	.0774
PHASE/HZ	3/60	AMB.°C / INSUL	40/H	WK² (Lb-Ft²)	73			XM	2.17

VARIABLE SPEED AC MOTOR CURVES

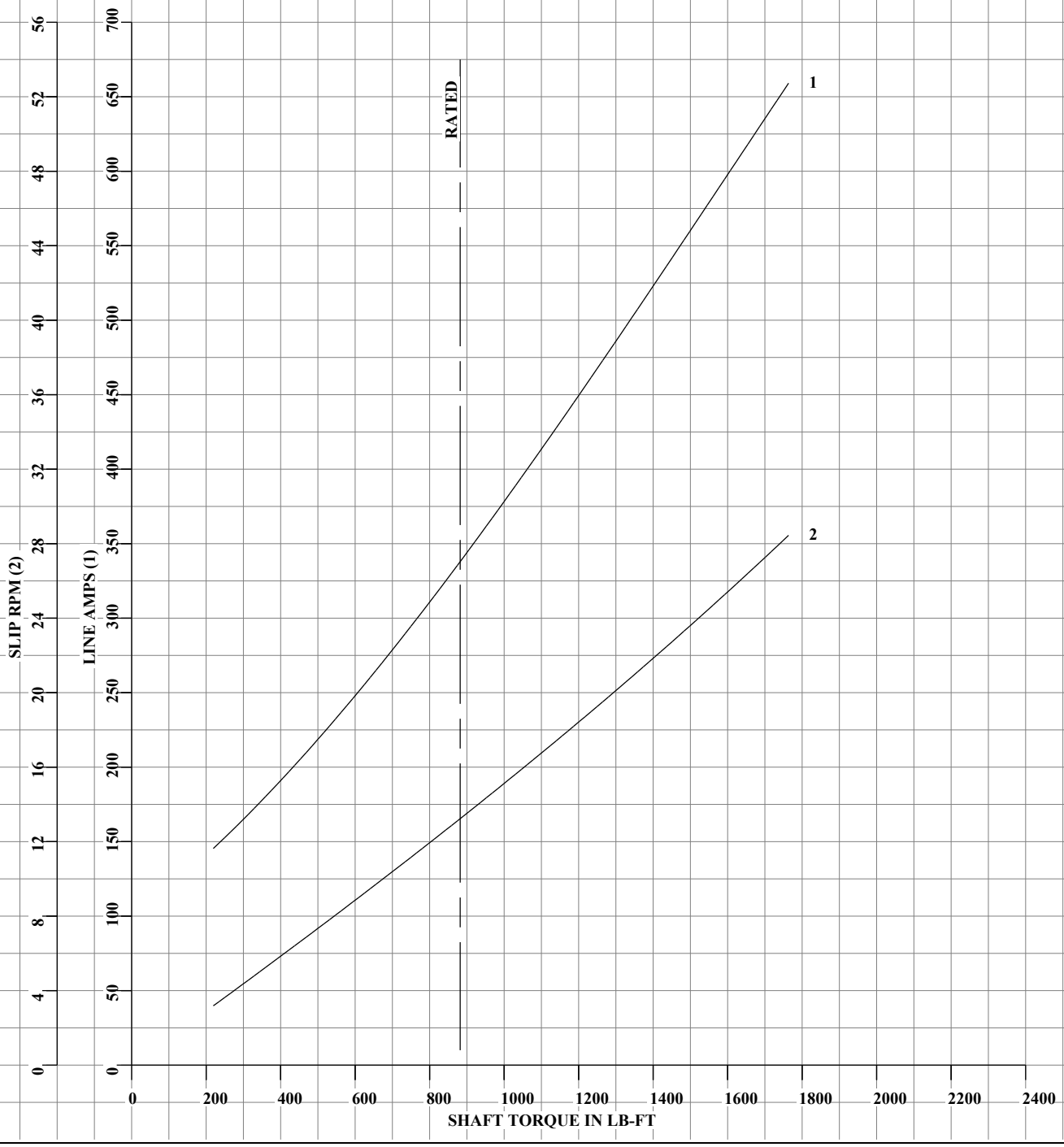


TYPICAL DATA, DATA VALID FOR NAMEPLATE SPEED RANGE ONLY

ABB	DRAWN BY: K. GREEN CHECKED BY: B. D. GRANT APPROVED BY: J. MARTIN DATE: 6-10-14	AC MOTOR PERFORMANCE DATA	L6190A ISSUE DATE: 6-10-14

FRAME	FL4034	VOLTS	460	ENCLOSURE	TEBC	WYE CONN EQ CKT OHMS PER PHASE (AT BASE RATING, 25°C)			
HP	300	AMPS	341	MAX SAFE SPEED	3750				
BASE SPEED	1785	DUTY	CONT	IM (AMPS)	102	R1	.00622	X1	.0596
PHASE/HZ	3/60	S.F.	1.0	P.F. @NL / FL	.042/.874	R2	.00444	X2	.0774
		AMB.°C / INSUL	40/H	WK² (Lb-Ft²)	73			XM	2.17

LOAD PERFORMANCE (CONSTANT V/HZ RANGE)



TYPICAL DATA, DATA VALID FOR NAMEPLATE SPEED RANGE ONLY

ABB	DRAWN BY: K. GREEN CHECKED BY: B. D. GRANT APPROVED BY: J. MARTIN DATE: 6-10-14	AC MOTOR PERFORMANCE DATA	L6190A ISSUE DATE: 6-10-14

RPM-AC FINNED FRAME VARIABLE SPEED ALTERNATING CURRENT MOTOR
FL4034Z

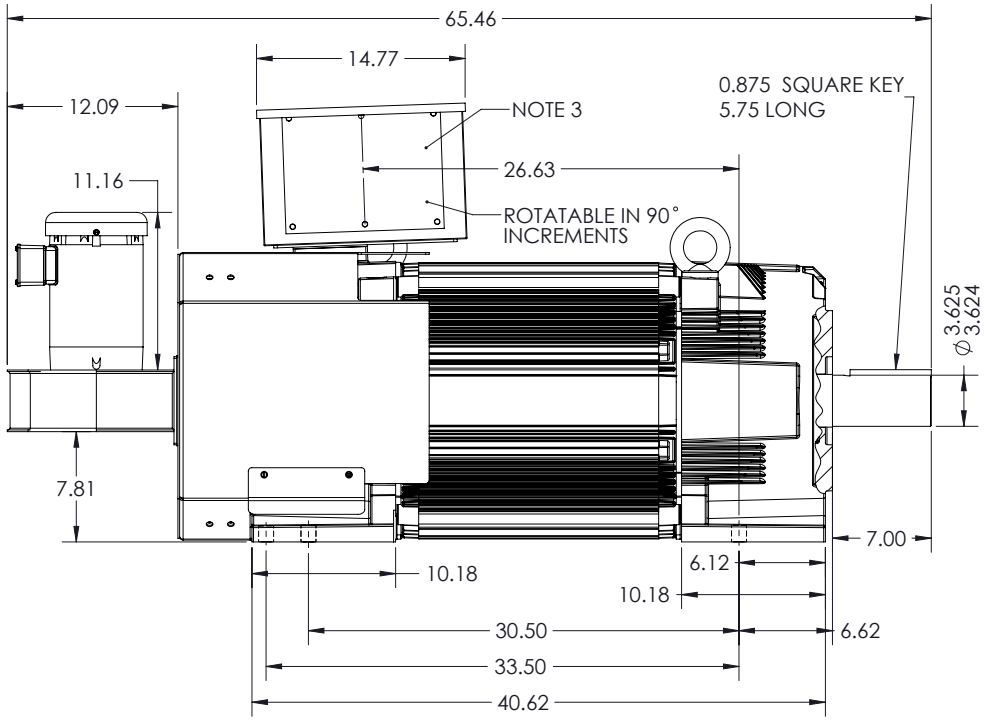
619653-001

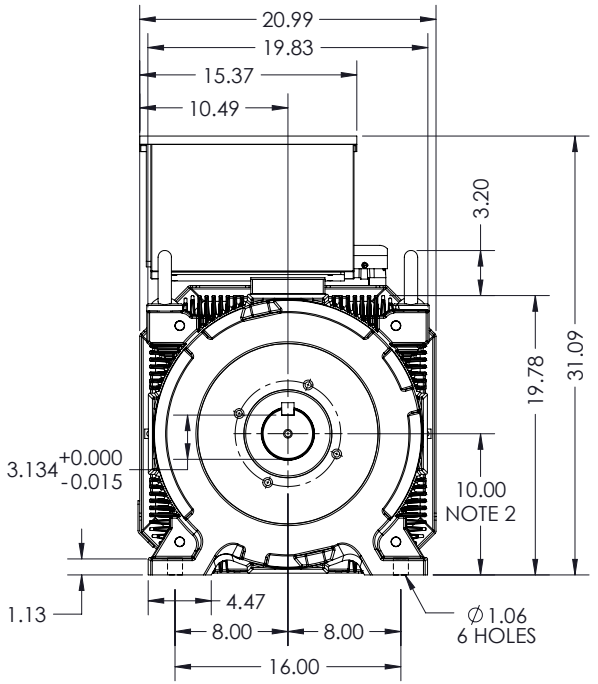
ENCLOSURE: TOTALLY ENCLOSED

MOUNTING: FOOT

COOLING: BLOWER COOLED

ACCESSORIES: PROVISIONS FOR TACHOMETER MOUNTING ONLY WHEN SPECIFIED





NOTE 1: O.D.E. C-FACE & TACHOMETER MOUNTING. 1/2-13 TAP, 1.00 DEEP, ON A ⌀7.25 B.C. FACE RUNOUT AND ECCENTRICITY 0.004 MAX. T.I.R.

NOTE 2: SHAFT HEIGHT WILL NOT BE EXCEEDED. SHIMS UP TO 0.06 INCHES IN THICKNESS ARE USUALLY REQUIRED FOR COUPLED OR GEARED MACHINES.

NOTE 3: REMOVABLE COVER PLATE FOR CUSTOMER DRILLING.

TERMINAL BOX MAY BE LOCATED F1, F2 OR F3, IF SPECIFIED. REFER TO 616779-55 FOR SPECIFIED TACHOMETER DIMENSIONS.

DIMENSIONS ARE IN INCHES

MOTOR WEIGHT: 2620 LBS. (MAY VARY 15% FOR NON-STANDARD RATINGS AND / OR ACCESSORIES.)

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION

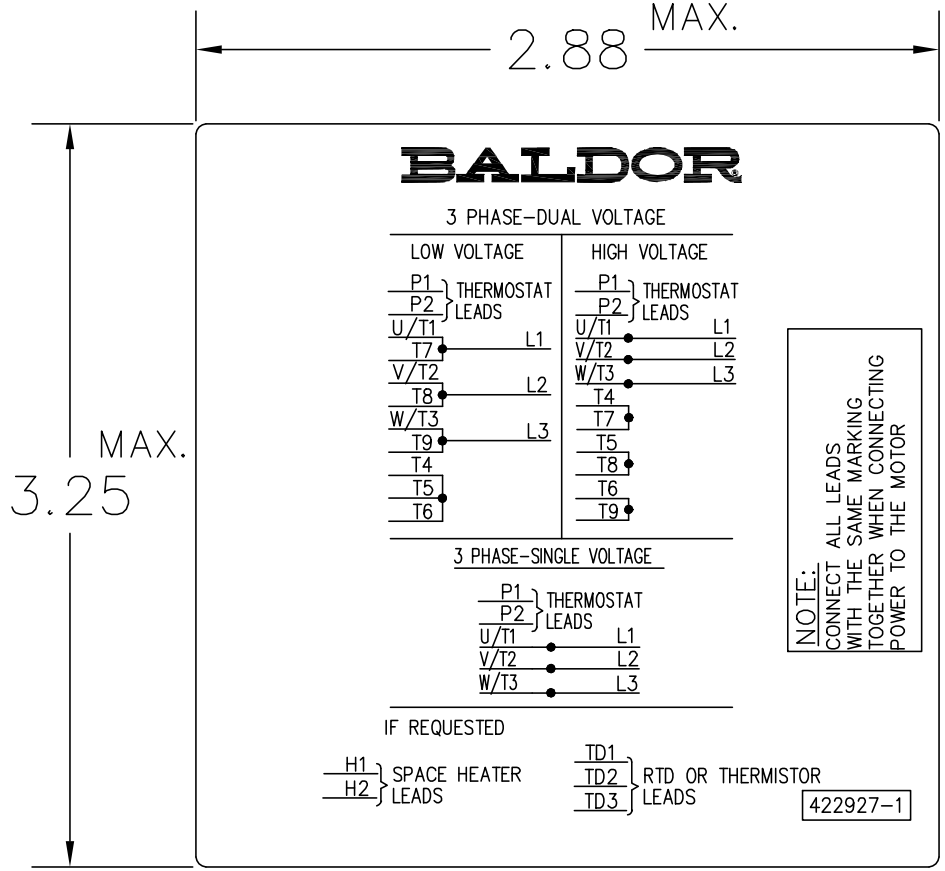
REV. DESC: INITIAL RELEASE			
REV: -	VERSION: 00	REVISED: 09:25:26 12/10/2013	TDR: 000000802774
MODEL NO. 619653-001			REF:
BY: MGHWCG			B

BALDOR

DIM SHEET,FL4034Z,RPM-AC,TEBC

619653-001

422927–001



NOTE:
DATA TO BE SIZED SO THAT IT FITS INTO MATERIAL DECAL DIMENSIONS. MAKE LETTERS & NUMBERS AS LARGE AS POSIBLE.

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			BALDOR
REV. LTR: B	VERSION: 02	TDR: 000000788708	
FILE: \RGG\00000\203		REVISED: 08:09:29 03/04/2013	EXTERNAL CONNECTION LABEL
MTL: –		BY: RGGWT	SH 1 of 1