ABB BALDOR RELIANCE

Customer information packet

IDBRPM444004

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

Copyright © All product information within this document is subject to ABB Motors and Mechanical Inc. copyright © protection, unless otherwise noted.
9/7/2026 10:32:45 AM

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

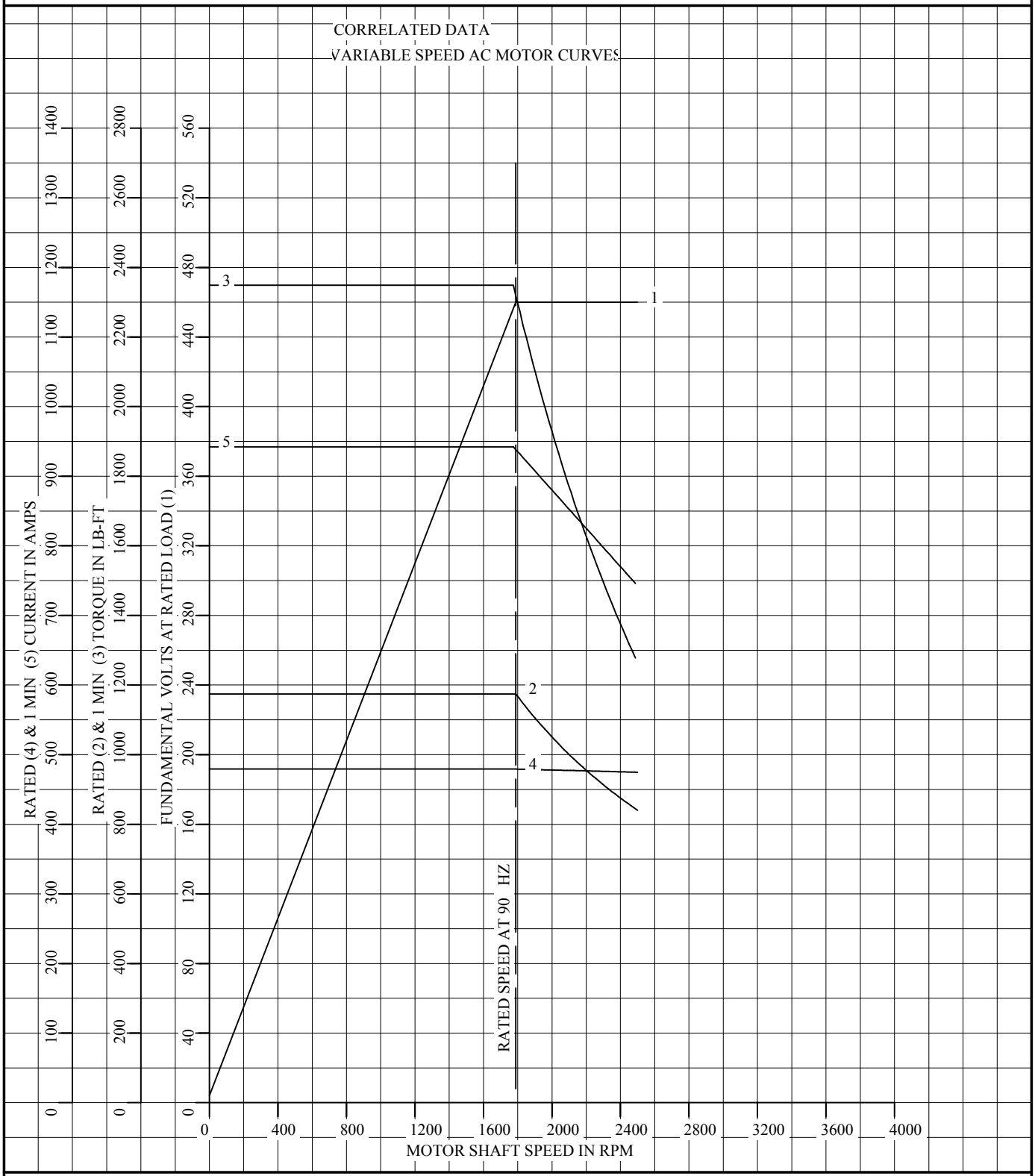
	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
BASE SPEED	1789	400	1174	460	90	479
MAX SPEED	2500	400	841	460	125.8	475
MIN SPEED	0	0	1174	4.12	.5496	479

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

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 ℃)	
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 ℃/INSUL	40/H	WK^2 (Lb-Ft^2)	169		XM 1.48



REMARKS:

DATA VALID FOR NAMEPLATE SPEED RANGE ONLY

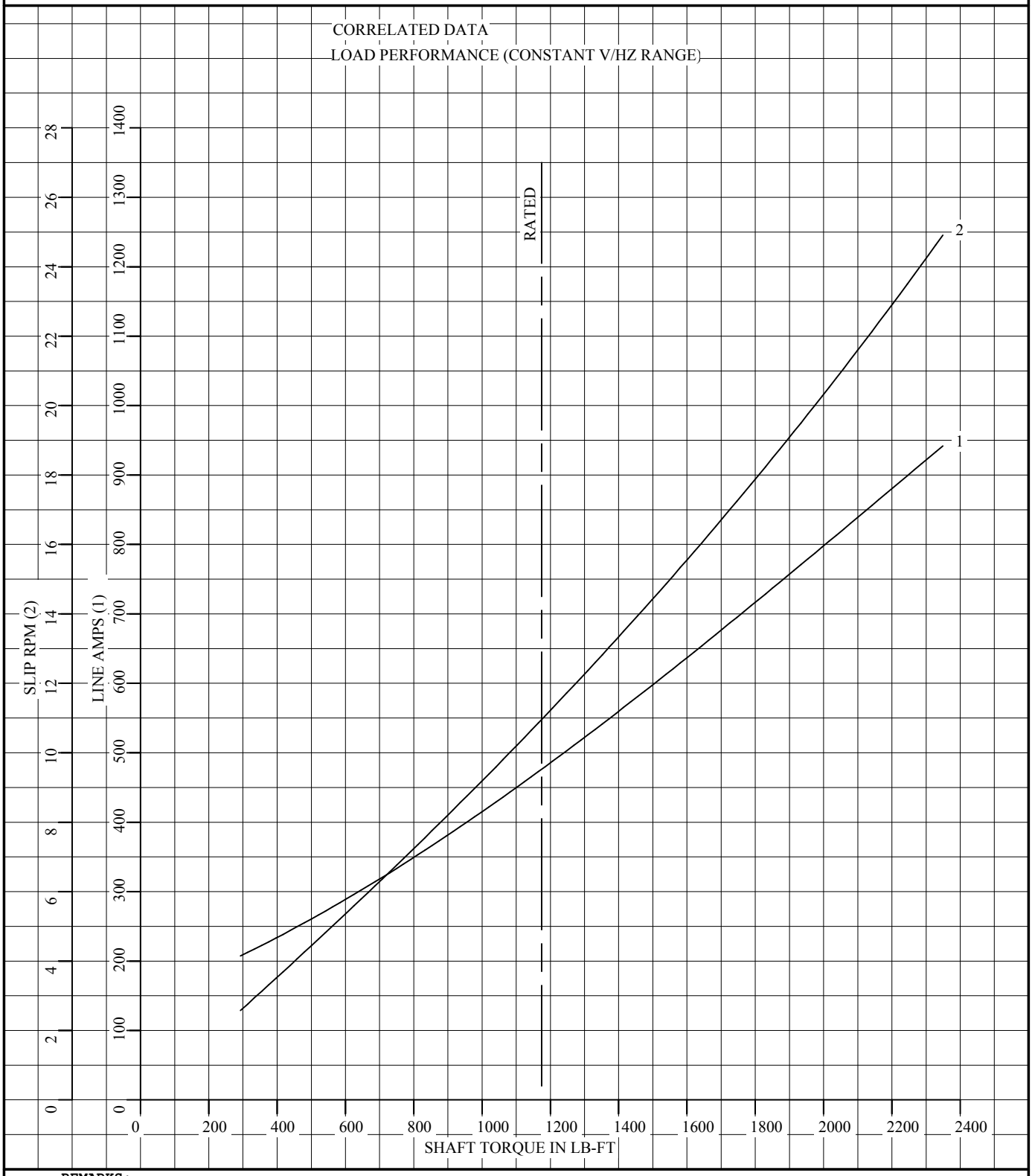
BALDOR
A MEMBER OF THE ABB GROUP

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

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 ℃)	
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 ℃/INSUL	40/H	WK^2 (Lb-Ft^2)	169		XM 1.48



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 2 OF 2

ISSUE DATE 10-18-16

RPM-AC FINNED FRAME VARIABLE SPEED ALTERNATING CURRENT MOTOR
FL4440Z

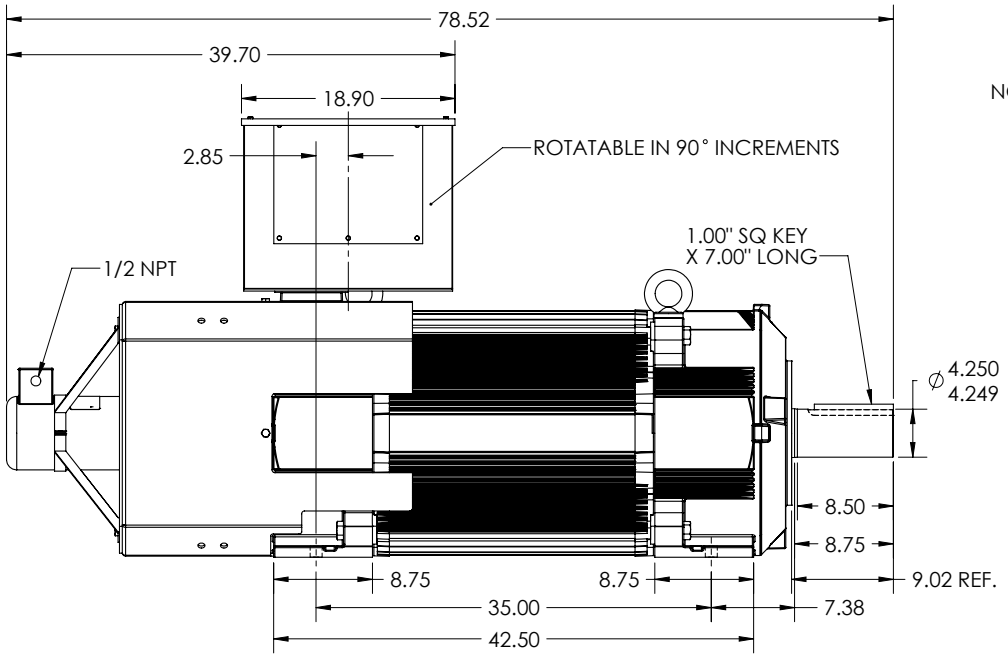
617566-001

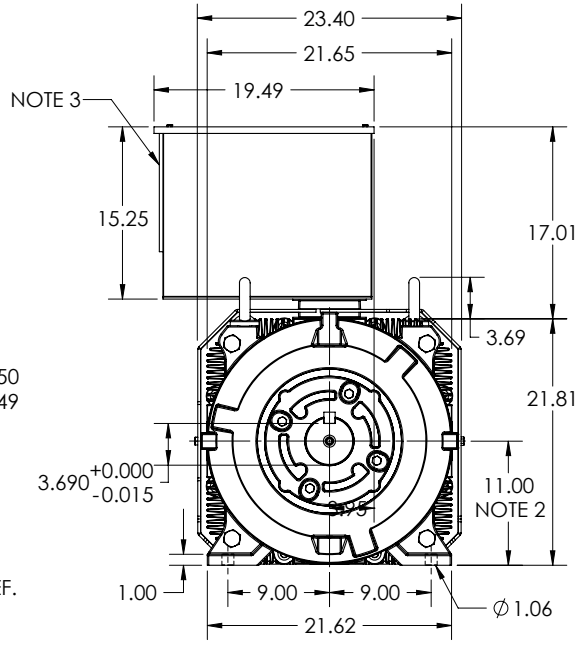
ENCLOSURE: TOTALLY ENCLOSED

COOLING: BLOWER COOLED

MOUNTING: FOOT

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: REMOVEABLE COVER PLATE FOR CUSTOMER DRILLING

NOTE 4: TERMINAL BOX CAN BE LOCATED F1 OR F2 IF SPECIFIED

MOTOR WEIGHT: 3940 LBS.
MAY VARY 15% FOR NON-STANDARD RATINGS AND/OR ACCESSORIES

IF MOUNTING DETAILS ARE REQUIRED, CONSULT FACTORY

DIMENSIONS ARE IN INCHES

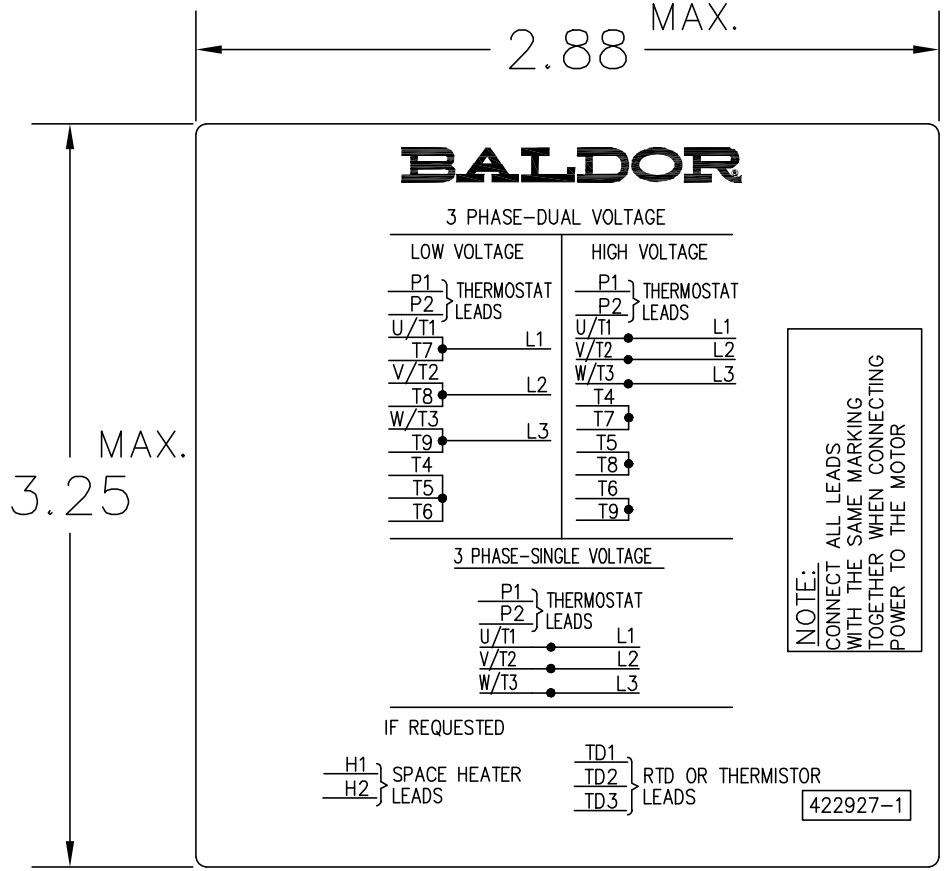
REV. DESC: REMOVE 616779-55 NOTE			
REV: C	VERSION: 03	REVISED: 09:00:38 06/23/2017	TDR: 000001033241
MODEL NO. FL440_TEBC			REF:
BY: RGGWT			B

BALDOR · DODGE · RELIANCE

DIM SHT,FL4440Z,TEBC,STD,SHAFT 4.25 X 8.50,C/BOX F3

617566-001

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