

BALDOR® • **RELIANCE**

Product Information Packet

ZDBRPM18154C

15HP, 1750RPM, 3PH, 60HZ, 1844C, TEBC, FOOT

Part Detail							
Revision:	A	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	L3220A	CD Diagram:	422927-001	Mfg Plant:	
Mech. Spec:		Layout:	617232-329	Poles:	04	Created Date:	04-10-2015
Base:		Eff. Date:	08-27-2015	Leads:			

Specs			
Catalog Number:	ZDBRPM18154C		
Enclosure:	TEAO		
Frame:	FL1844CZ		
Frame Material:	Aluminum		
Output @ Frequency:	15.000 HP @ 60 HZ		
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ		
Voltage @ Frequency:	460.0 V @ 60 HZ		
Agency Approvals:	CCSA US		
Auxillary Box:	No Auxillary Box		
Base Indicator:	Rigid		
Bearing Grease Type:	Polyrex EM (-20F +300F)		
Current @ Voltage:	21.000 A @ 460.0 V		
Duty Rating:	CONT		
Feedback Device:	TACHOMETER		
Frame Prefix:	FL		
Heater Indicator:	No Heater		
Insulation Class:	H		
Mounting Arrangement:	TP		

Product Family:	General Industrial		
Pulley End Bearing Type:	Ball		
Pulley Face Code:	C-Face		
Shaft Ground Indicator:	No Shaft Grounding		
Shaft Rotation:	Reversible		
Motor Standards:	NEMA		
Thermal Device - Bearing:	None		
Thermal Device - Winding:	Normally Closed Thermostat		

REL S.O.	-	VOLTS	460	ENCLOSURE	TEBC	WYE	CONN EQ	CKT OHMS	PER PHASE
FRAME	F11844	AMPS	21	MAX SAFE RPM	7200	(AT BASE RATING, 25 °C)	R1	.348	X1 1.18
HP	15	DUTY	CONT	IM (AMPS)	12	R2	.245	X2 1.31	
BASE SPEED	1760	S.F.	1.0	P.F. @NL/FL	.061/.776	XM	22.9		
PHASE/HERTZ	3/60	AMB °C/INSUL	40/H	WK ² (lb-ft ²)	.645				

RATED FULL LOAD DATA

	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
BASE SPEED	1759	15.0	45	460	60	20.7
MAX SPEED	3657	15.0	22	460	125	18.4
MIN SPEED	0	0	45	20.7	1.36	20.7

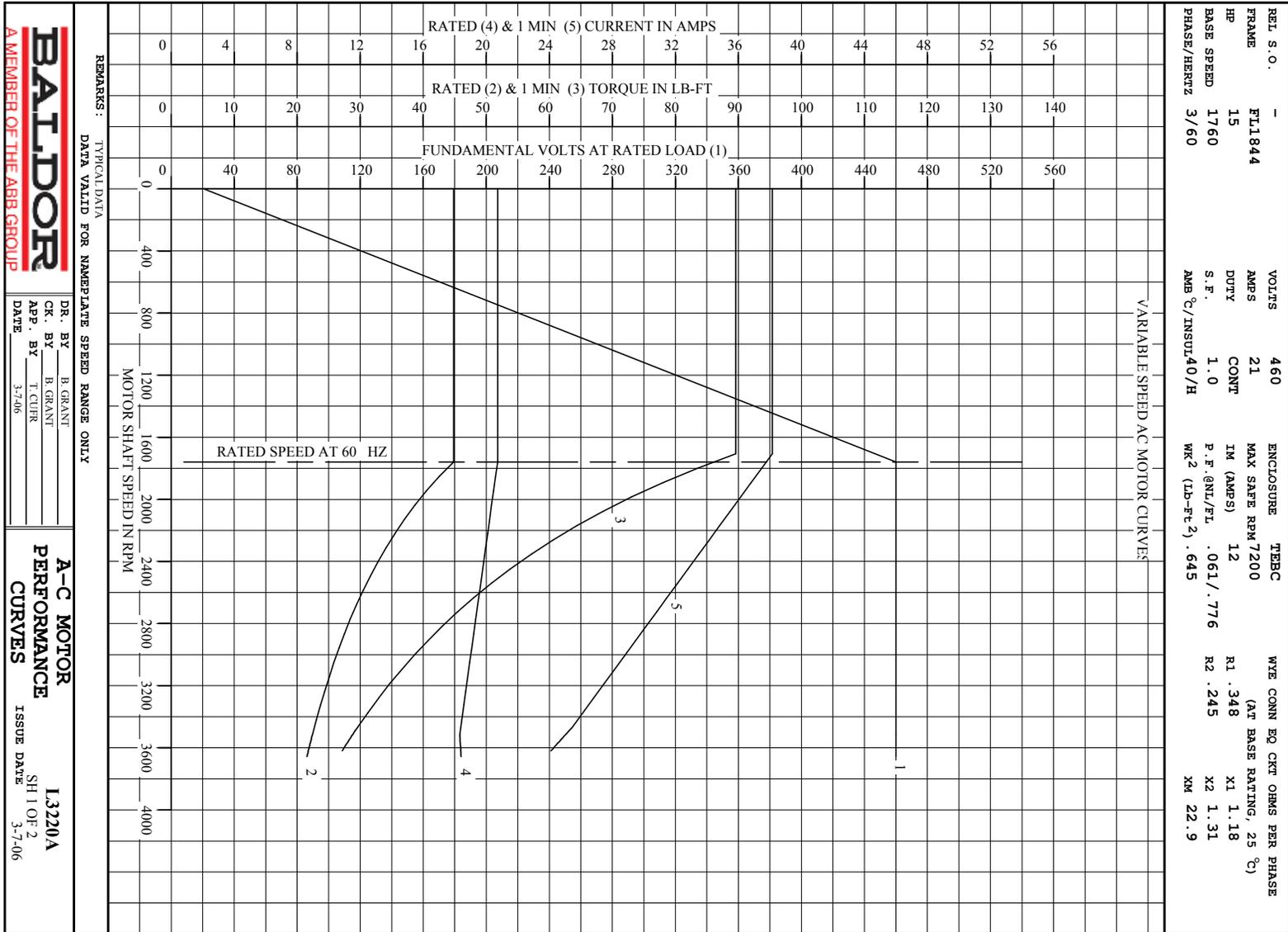
LOAD PERFORMANCE AT BASE SPEED

	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
NO LOAD	1800	0	0	460	60	11.7
1/4	1791	3.76	11	460	60	12.7
1/2	1781	7.50	22	460	60	14.4
3/4	1770	11.3	33	460	60	17.3
FULL LOAD	1759	15.0	45	460	60	20.7
O/L	1706	29.1	90	460	60	38.1

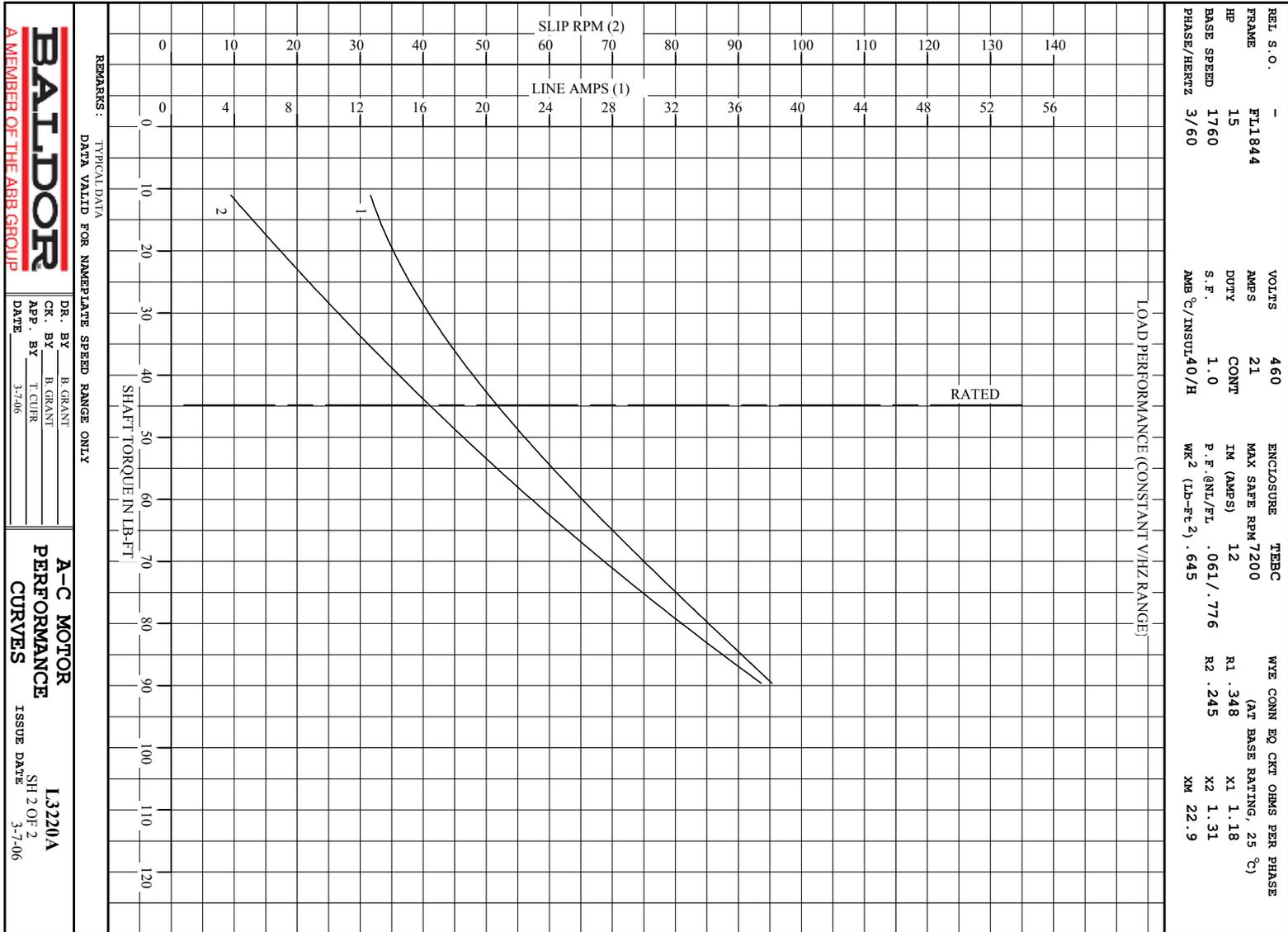
REMARKS: TYPICAL DATA

 <p>A MEMBER OF THE ABB GROUP</p>	DR. BY	B. GRANT	<p>A-C MOTOR</p> <p>PERFORMANCE</p> <p>DATA</p>
	CR. BY	B. GRANT	
	APP. BY	T. CUEER	
	DATE	3-7-06	

ISSUE DATE 3-7-06



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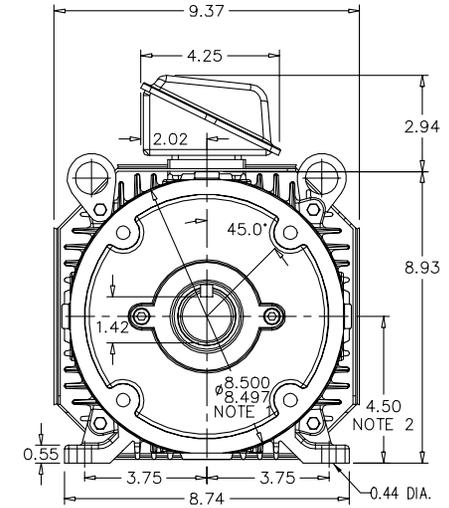
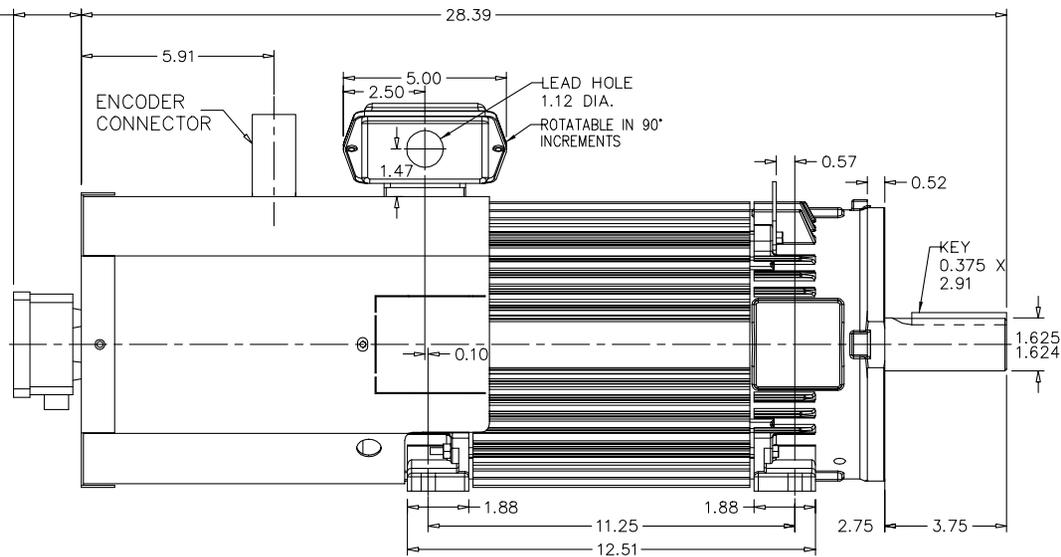
617232-329

RPM-AC FINNED FRAME VARIABLE SPEED ALTERNATING CURRENT MOTOR
FL1844CZ

ENCLOSURE: TOTALLY ENCLOSED
MOUNTING: FOOT / NEMA 250TC C-FACE
DRIVE METHOD: COUPLED OR BELTED

COOLING: BLOWER COOLED
ACCESSORIES: ENCODER

2.07
MIN.
AIR
SPACE



NOTE 1: C-FACE & TACHOMETER MOUNTING
1/2-13 TAP, 1.00 DEEP, ON A 7.25 DIA. BOLT CIRCLE
FACE RUNOUT AND ECCENTRICITY 0.004 MAX. T.I.R.

NOTE 2: SHAFT HEIGHT WILL NOT BE EXCEEDED
SHIMS UP TO 0.03 INCHES IN THICKNESS ARE USUALLY
REQUIRED FOR COUPLED OR GREARED MACHINES

TERMINAL BOX MAY BE LOCATED F1 OR F2 IF SPECIFIED
40 AMP STEEL TERMINAL BOX SHOWN
REFER TO 616779-50 FOR SPECIFIED TERMINAL BOX DIMENSIONS

MOTOR WEIGHT: 180 LBS. (MAY VARY 15%)
DIMENSIONS ARE IN INCHES SCALE: 1.00

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THIS PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: CHANGE TO GENERIC CONNECTOR AND ENCODER		
REV. LTR: B	VERSION: 02	TDR: 000000984829
FILE: \RGG\00025\784	REVISED: 09:17:50 06/27/2016	BY: RGGWT
MTL: -		

BALDOR

DIM SHT,RPMAC,TEBC,FL1844CZ,ENCODER
SH 1 of 1

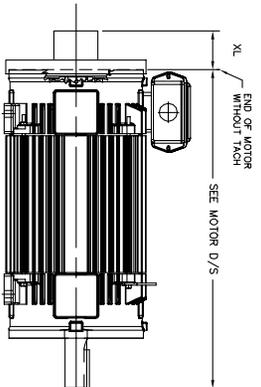
617232-329

RPM AC TACHOMETER DIMENSIONS
 NEMA FRAMES FL180 thru FL440 and IEC FRAMES FDL112 thru FDL280
 DIMENSIONS ARE IN INCHES(mm)

DPTV, DPSV, TEPV, TESV, TENV & TEAO-PB
 IC06, IC17, IC37, IC410, & IC416-PB

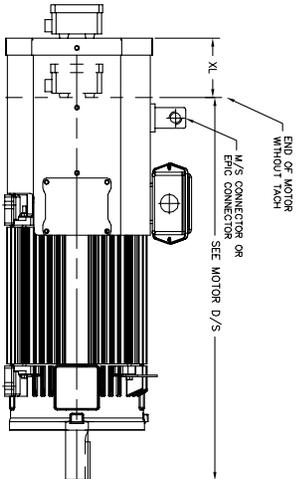
616779-055

TACH MODEL	XL Inche(st/mm)	LBS.
BEI PB DYNAPAR HS35	2.88 (74)	5
DYNAPAR H20 *	7.50(191)MAX	10
NORTHSTAR HS35M	3.31 (84)	10
NORTHSTAR ST67	2.88 (74)	5
DYNAPAR HS6	10.56 (268)	40
AVTRON M3 BR M4	3.62 (.92)	10
TAMAGAWA TSS013(X1)	6.00 (152)	10
NORTHSTAR ST65	2.88 (74)	5
NORTHSTAR ST85	2.00 (.51)	5
BEI H38B	10.19 (259)	15
TAMAGAWA TS2151	2.64 (67)	15
BEI H35	7.50 (191)	15
DYNAPAR HS20	2.00 (.50)	5
DYNAPAR X23	12.88 (327)	10
STIEGMANN SRK25	7.25 (184.4)	10
NORTHSTAR HS035	3.00 (.76)	10
HEIDENHAIN EGN425	2.5 (63.5)	5
AVTRON HS35M	4.19 (106.4)	5
HEIDENHAIN ERN480	5.00 (76.2)	5
DYNAPAR HD25	7.00 (177.8)	10
DYNAPAR H22	3.62 (92.1)	5
AVTRON M285	2.54 (64.5)	9
AVTRON M850	2.54 (64.5)	9
AVTRON AV56	4.50 (115)	15
HS125	3.30 (84)	5
HS125B	3.30 (84)	2
NORTHSTAR P18	3.25 (83)	15
DYNAPAR HA625	5.88 (150)	10
AVTRON AV485	9.50 (241)	18
AVTRON AV32	1.93 (49)	.7

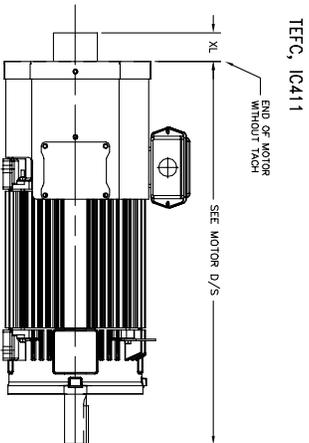


TEAO-BC, IC416-BC
 EXCLUDES NEMA FRAMES FL320 THRU FL440
 AND
 IEC FRAMES FDL200 THRU FDL280

TACH MODEL	XL Inche(st/mm)	LBS.
BEI PB DYNAPAR HS35	4.50 (115)	10
DYNAPAR H20	4.50 (115)	15
AVTRON M3 BR M4	4.50 (115)	10
NORTHSTAR HS35M	4.50 (115)	15
NORTHSTAR ST56	4.50 (115)	10
NORTHSTAR ST67	4.50 (115)	10
NORTHSTAR ST85	4.50 (115)	5
TAMAGAWA TSS008, TSS013	4.50 (115)	10
DYNAPAR HS20	4.50 (115)	15
STIEGMANN SRK25	4.50 (115)	10
STIEGMANN SRV/SR150	4.50 (115)	3
STIEGMANN SR350	4.50 (115)	15
H25D & H25E	4.50 (115)	15
AVTRON HS35M	4.50 (115)	10
AVTRON AV85	4.50 (115)	10
AVTRON HS5	4.50 (115)	5
AVTRON HA67	4.50 (115)	10
HS138	4.50 (115)	5
TS2014	4.50 (115)	10
AVTRON HS45	4.50 (115)	15
DYNAPAR HS038M	4.50 (115)	15
AVTRON AV32	4.50 (115)	.7



TACH MODEL	XL Inche(st/mm)	LBS.
BEI HS35	2.88 (74)	7
NORTHSTAR HS35M	3.31 (84)	10
DYNAPAR H20	3.75 (95)	15
DYNAPAR HS35, HS038	2.88 (74)	7
H20(X1)	9.75 (248)	35
EMES	7.90 (201)	35
AVTRON HS35M	4.19 (106)	2
STIEGMAN SRK50	3.75 (95)	1
DYNAPAR H20	2.00 (.51)	1
NORTHSTAR HS035	2.81 (71)	2
NORTHSTAR HS038	3.30 (84)	5
AVTRON AV32	1.93 (49)	.7



950-671919

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

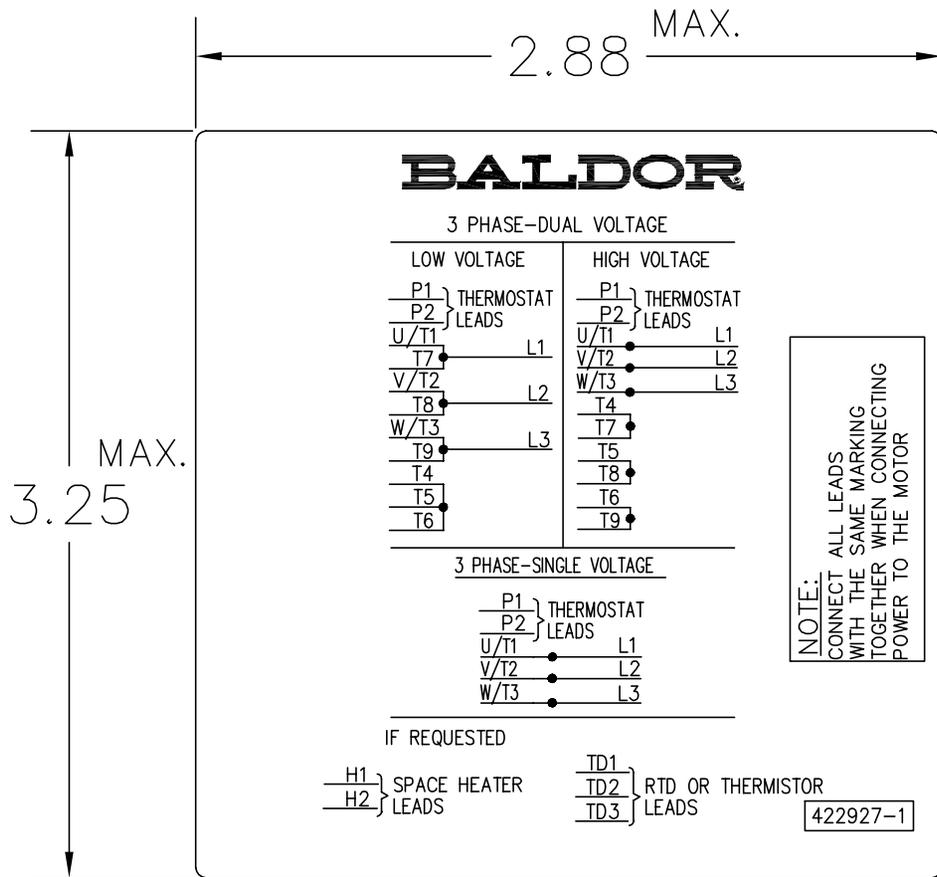
REV. DESC: REVISE "EXCLUDES" NOTE ON TEAO-BC MOTORS	VERSION: 22	TDR: 000001040214
REV. LTR: X	FILE: \RGG\00003\694	BY: RGGWT
REVISED: 01:53:13 08/18/2017	MTL: -	

BALDOR

DIM SHT TACH DIM NEMA FL180 - FL440 IEC FDL112 - FDL280

SH 1 of 1

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.

NOTE:
CONNECT ALL LEADS
WITH THE SAME MARKING
TOGETHER WHEN CONNECTING
POWER TO THE MOTOR

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

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