

# **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	Prod. Type:		Elec. Spec:	L3220A	CD Diagram:	422927-001
Enclosure:	TEBC	Mfg Plant:		Mech. Spec:		Layout:	617232-329
Frame:	FL1844CZ	Mounting:	F3	Poles:	04	Created Date:	04-10-2015
Base:		Rotation:	R	Insulation:	H	Eff. Date:	08-27-2015
Leads:						Replaced By:	
Literature:		Elec. Diagram:					

Nameplate 000613006NS																																	
	<table border="1"> <thead> <tr> <th>DUTY</th> <th>HP</th> <th>RPM</th> <th>AMPS</th> <th>VOLTS</th> <th>HZ</th> </tr> </thead> <tbody> <tr> <td>CONT</td> <td>15</td> <td>1760</td> <td>21</td> <td>460</td> <td>60</td> </tr> <tr> <td>CONT</td> <td>15</td> <td>3660</td> <td>19</td> <td>460</td> <td>125</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	DUTY	HP	RPM	AMPS	VOLTS	HZ	CONT	15	1760	21	460	60	CONT	15	3660	19	460	125														
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PH.	3																																
DESIGN NO.	L3220A																																
S.F.	1.0																																
ENCL MOD																																	
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Parts List		
Part Number	Description	Quantity
WS286779	WS P18T0372	1.000 EA
RA282987	RA P18T0372	1.000 EA
000613006NS	RPM AC WITH CERTIFIED LOGO	1.000 EA
000692000FP	NP, WARNING LIFT INSTRUCTIONS	1.000 EA
418057747A	METAL FASTENER	8.000 EA
000692000NH	LABEL DIRECTION AIR FL	1.000 EA
418018079A	LABEL	1.000 EA
418056062A	NP AC BLOWER DATA	1.000 EA
422927001	C/D LABEL	1.000 EA
032003168CB	THRU BOLT	4.000 EA
033102012AG	HXNUT LEAD CONN	4.000 EA
034017012AB	LCKW 1/4 STD. PLATED	4.000 EA
036000050JB	M8-1,25 X 50 MHHCS	2.000 EA
400638001D	WAVEN	1.000 EA
411693051B	LUG, LIFTING	2.000 EA
602018077A	DRAIN	1.000 EA
602018077A	DRAIN	1.000 EA
807580002BAA	BRKT,DE,FL181 807580-1WCC	1.000 EA
807580003AAB	BRKT,ODE180AC 807580-1WCC	1.000 EA
032018010DK	HHCS 1/2-13X1-1/4 PLATED	2.000 EA
036000012HB	HHCS M6X12MM LONG PLATED	2.000 EA
036000012HB	HHCS M6X12MM LONG PLATED	3.000 EA
036000025JB	HHCS M8X25MM LONG PLATED	4.000 EA
036310010FB	RHMS TERM/BLK MTG	2.000 EA

<b>Parts List (continued)</b>		
<b>Part Number</b>	<b>Description</b>	<b>Quantity</b>
036320008CB	M2.5 SCREW	4.000 EA
036500006AB	M4-0.7 METRIC HEX NUT	2.000 EA
036620009AB	M8 EXTERNAL LK WASHER	1.000 EA
065530000B	GASK	1.000 EA
075451000A	COVER, CONDUIT BOX	1.000 EA
406673002C	.75 CAP PLUG	2.000 EA
415000103G	TLUG	1.000 EA
417733001A	GSK C/ BOX BASE	2.000 EA
418010006B	PLATE, MOUNTING	1.000 EA
418018074A	GROUND LABEL G100 METRIC 160 D.C.	1.000 EA
418057169A	LKNUT CAMER	1.000 EA
418057260A	SCREW PHILLIPS PAN HD	4.000 EA
418057367A	CLIP, BEI TACH	2.000 EA
418057373A	SCREW SHEET METAL	3.000 EA
418057381A	CONDUIT WASHER	1.000 EA
418057499A	PLATE	1.000 EA
422962051BW	STUB SHAFT	1.000 EA
607980192B	RF,BEI,HS35,TWISTLOCK	1.000 EA
613450011A	BLMTR SQ AC 210	1.000 EA
706320003A	CONDUIT BOX	1.000 EA
807505050B	SHROUD, FAN/BLOWER	1.000 EA
807505051A	GRILL, FAN COVER	1.000 EA
418057243A	GROOVE PIN	1.000 EA
807504052C	FL180 FRAME	1.000 EA

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000640000P	TAG WINDING THERMOST	1.000 EA
004824007K	SPECIAL PAINT	0.100 EA
034180022FA	KEY 3/8X3/8X2-3/4 L	1.000 EA

REL S.O.	-	VOLTS	460	ENCLOSURE	TEBC	WYE	CONN EQ	CKT OHMS	PER PHASE
FRAME	FLL1844	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 <sup>2</sup> (lb-ft <sup>2</sup> )	.645				


**RATED FULL LOAD DATA**

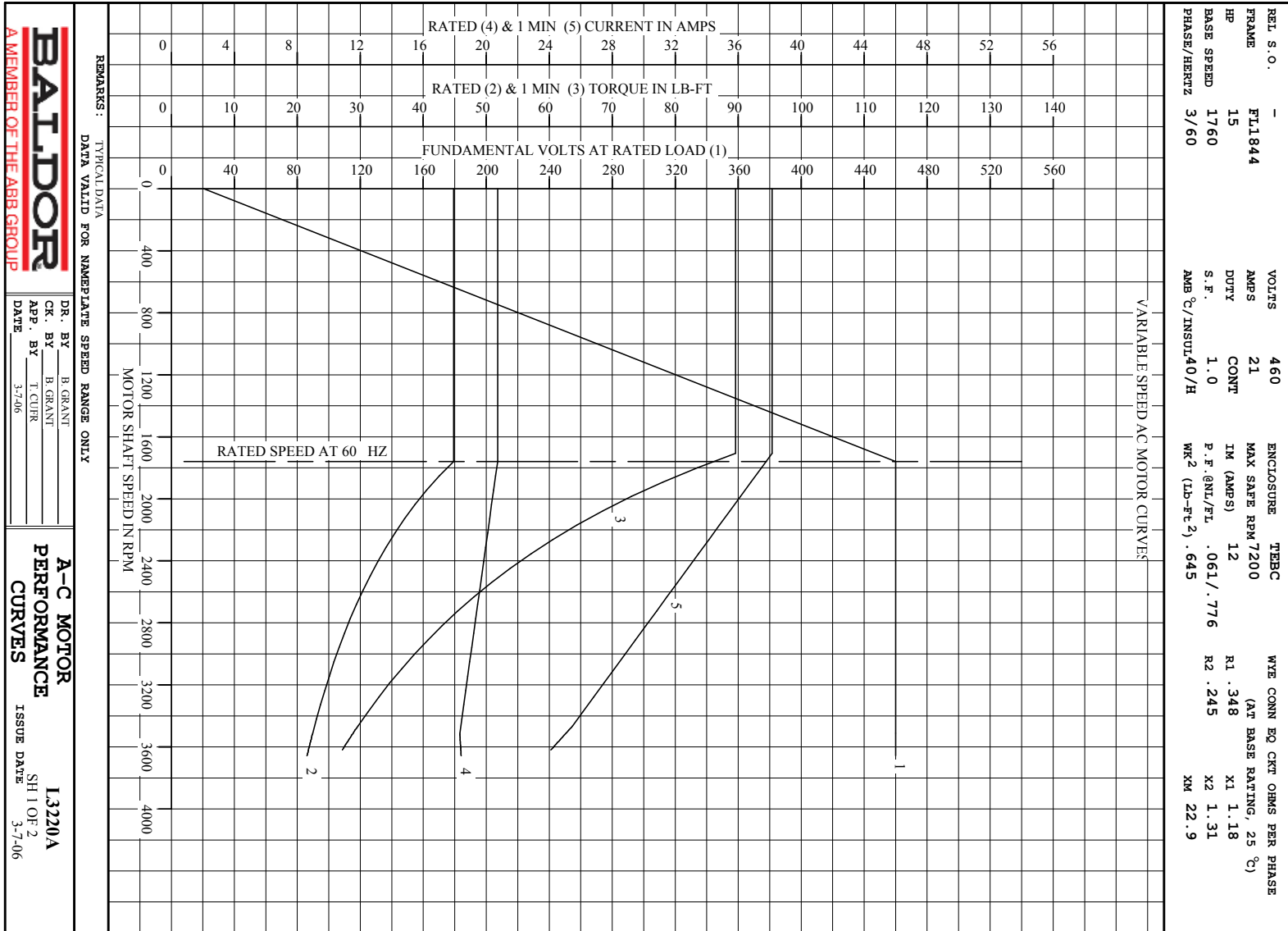
	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
BASE SPEED	1759	15.0	45	460	60	20.7
MAX SPEED	3657	15.0	22	460	125	18.4
MIN SPEED	0	0	45	20.7	1.36	20.7

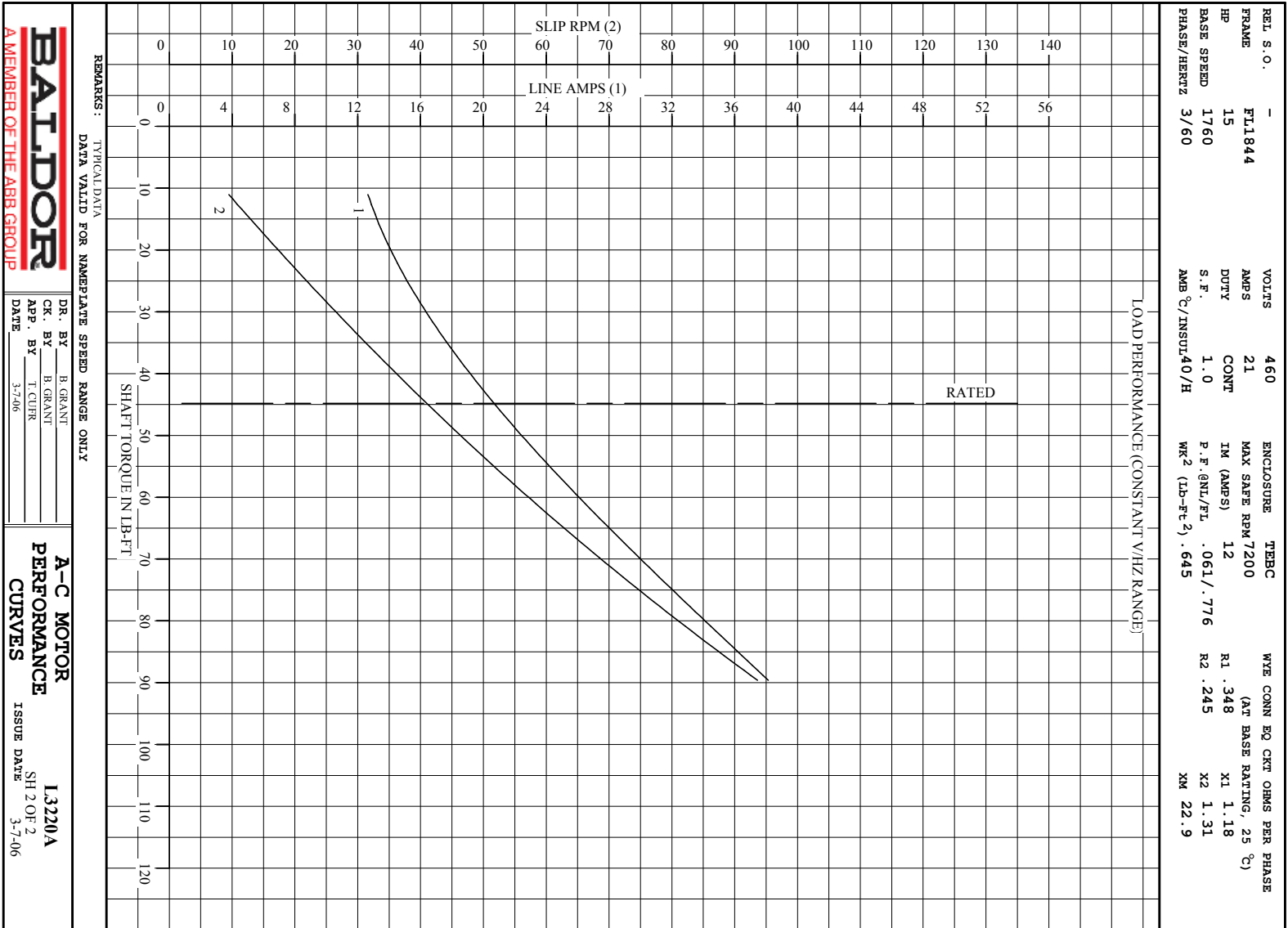
**LOAD PERFORMANCE AT BASE SPEED**

	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

 <b>A MEMBER OF THE ABB GROUP</b>	DR. BY	B. GRANT	<b>A-C MOTOR</b> <b>PERFORMANCE</b> <b>DATA</b> I3220A ISSUE DATE 3-7-06
	CR. BY	B. GRANT	
	APP. BY	T. CUEER	
	DATE	3-7-06	





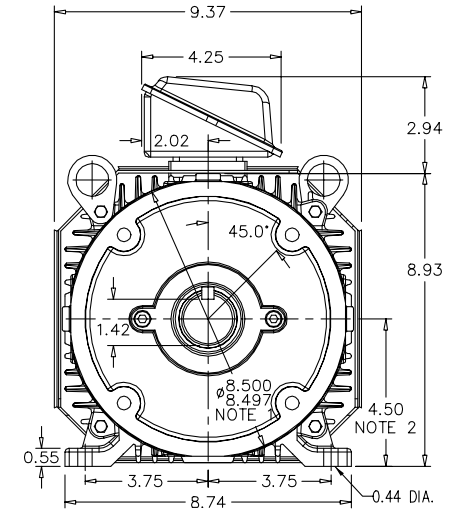
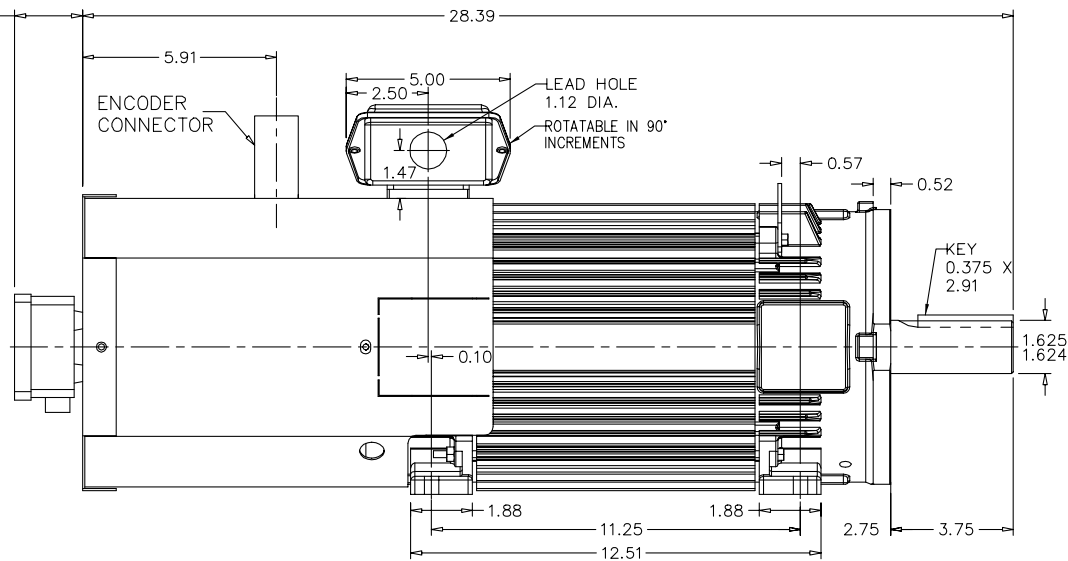
617232-329

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	VERSION: 02	TDR: 00000984829
REV. LTR: B	REVISED: 09:17:50 06/27/2016	BY: RGGWT
FILE: \RGG\00025\784		
MTL: -		

**BALDOR**

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

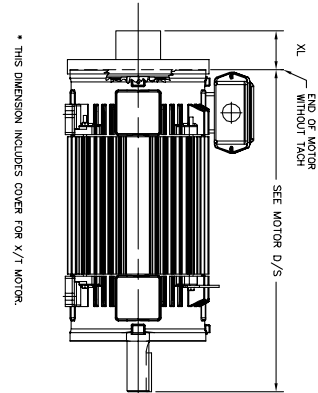
617232-329



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

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

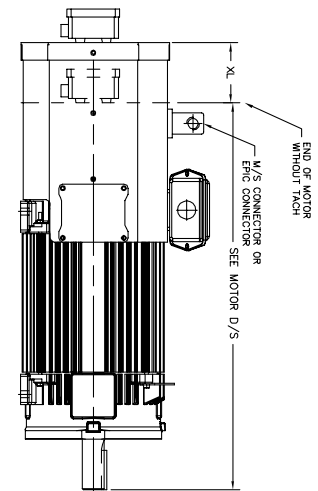
TACH MODEL	XL Inchest(mm)	LBS.
BEI DE DYNAPAR HS35	2.88 (74)	5
DYNAPAR H20	7.50 (191)MAX	10
NORTHSTAR HS35M	3.31 (84)	10
NORTHSTAR ST67	2.88 (74)	5
DYNAPAR H56	10.56 (268)	40
AVTRON M3 DR M4	3.62 (92)	10
TAMAGAWA TS5013(X17)	6.00 (152)	10
NORTHSTAR ST56	2.88 (74)	5
NORTHSTAR ST85	2.00 (51)	5
BEI H38D	10.17 (259)	15
TAMAGAWA TS2151	2.64 (67)	15
BEI H23	7.50 (191)	15
DYNAPAR H20	2.00 (50.8)	5
DYNAPAR H25	12.88 (327)	10
STEGMANN SRS25	7.25 (184.4)	10
NORTHSTAR HS135	3.00 (76.2)	10
HEIDENHAIN ERM425	2.5 (63.5)	5
AVTRON HS35M	4.19 (106.4)	5
HEIDENHAIN ERN480	5.00 (126.2)	5
DYNAPAR H125	7.00 (177.8)	10
DYNAPAR H22	3.62 (92.1)	5
AVTRON H255	2.54 (64.5)	9
AVTRON AV950	2.54 (64.5)	9
AVTRON AV956	4.50 (115)	15
HS138	3.30 (84)	5
HS125	3.30 (84)	2
NORTHSTAR RT8	3.25 (83)	15
DYNAPAR H4625	5.88 (150)	10
AVTRON AV485	5.50 (141)	18



\* THIS DIMENSION INCLUDES COVER FOR X/7 MOTOR.

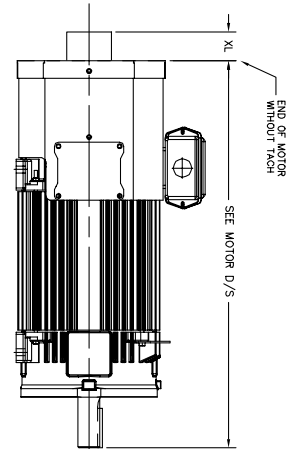
**TEAO-BC, IC416-BC**

TACH MODEL	XL Inchest(mm)	LBS.
BEI DE DYNAPAR HS35	4.50 (115)	15
DYNAPAR H20	4.50 (115)	10
AVTRON M3 DR 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 TS5008 TS5013	4.50 (115)	10
DYNAPAR H20	4.50 (115)	10
STEGMANN SRS25	4.50 (115)	10
STEGMANN SRS25/SH50	4.50 (115)	3
STEGMANN SRS50	4.50 (115)	15
H20 & H2E	4.50 (115)	15
AVTRON HS35M	4.50 (115)	10
AVTRON AV95	4.50 (115)	10
AVTRON M56	4.50 (115)	5
AVTRON AV67	4.50 (115)	10
HS138	4.50 (115)	5
TS2014	4.50 (115)	5
AVTRON HS45	4.50 (115)	15
DYNAPAR HS138M	4.50 (115)	15



**TEFC, IC411**

TACH MODEL	XL Inchest(mm)	LBS.
BEI HS35	2.88 (74)	7
NORTHSTAR HS35M	3.31 (84)	10
DYNAPAR H20	3.75 (95)	15
DYNAPAR HS35, HS138	2.88 (74)	7
H20(X17)	9.75 (248)	35
ERM425	7.90 (201)	35
AVTRON HS35M	4.19 (106)	2
STEGMANN SRS50	3.75 (95)	1
DYNAPAR H20	2.00 (51)	1
NORTHSTAR HS135	2.81 (71)	2
NORTHSTAR HS138	3.30 (84)	5



055-66719

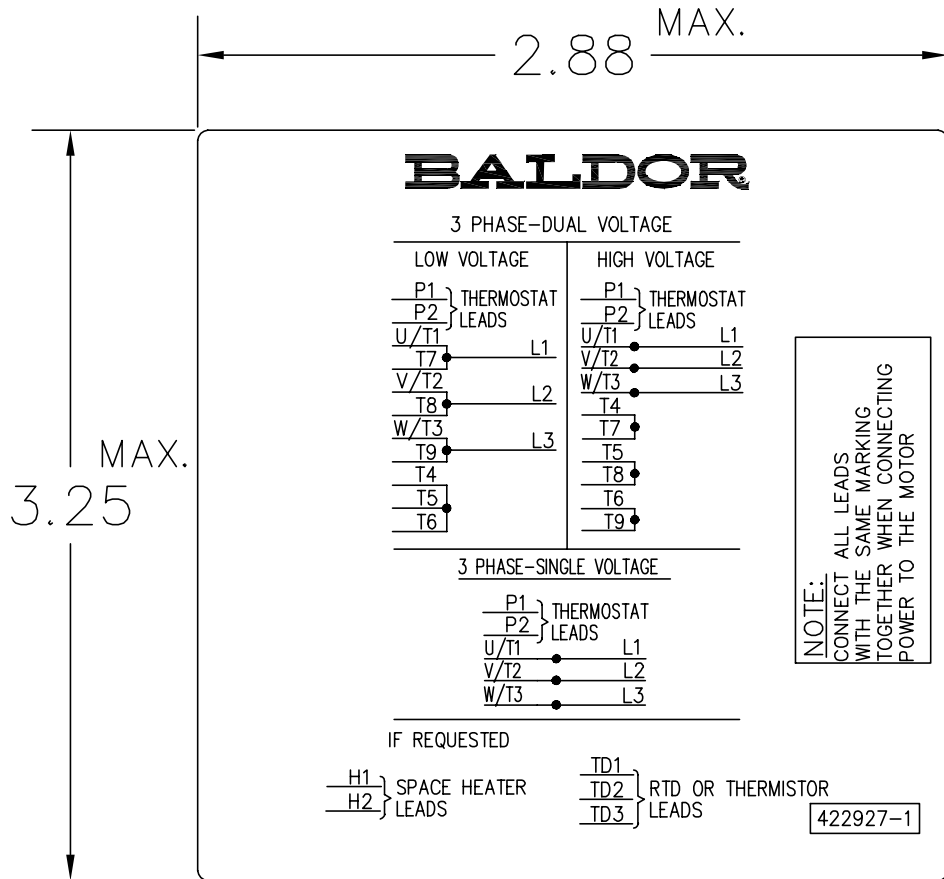
616779-055

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

REV. DESC: ADD TAMAGAWA TS5008 (B1248085)	TDR: 000000895710
REV. LTR: U	VERSION: 19
FILE: \RGG\00003\694	REVISED: 08:00:14 03/06/2015
MTL: -	BY: RGGWT

  
 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.

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

Marketing maintained PDF of MN406:

<http://www.baldor.com/support/Literature/Load.ashx/MN406?ManNumber=MN406>