

BALDOR® • **RELIANCE**

Product Information Packet

ZDNRPM18074C

7.5HP,1750RPM,3PH,60HZ,1852C,TENV,FOOT

Part Detail							
Revision:	-	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	L3222A	CD Diagram:	422927-001	Mfg Plant:	
Mech. Spec:		Layout:	617234-013	Poles:	04	Created Date:	04-10-2015
Base:		Eff. Date:	04-13-2015	Leads:			

Specs			
Catalog Number:	ZDNRPM18074C		
Enclosure:	TENV		
Frame:	FL1852CZ		
Frame Material:	Aluminum		
Output @ Frequency:	7.500 HP @ 60 HZ		
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ		
Voltage @ Frequency:	460.0 V @ 60 HZ		
Agency Approvals:	CCSA US		
	UR		
Auxillary Box:	No Auxillary Box		
Base Indicator:	Rigid		
Bearing Grease Type:	No Grease		
Current @ Voltage:	11.000 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. -
 FRAME FL1852
 HP 7.5
 BASE SPEED 1775
 PHASE/HERTZ 3/60

VOLTS 460
 AMPS 11
 DUTY CONT 1.0
 S.F. P.F.
 AMB °C/INSUL 40/H

ENCLOSURE TENV
 MAX SAFE RPM 7200
 IM (AMPS) 6.5
 P.F.@NL/FL .061/.742
 WK² (LB-FT²) .8

WYE CONN EQ CKT OHMS PER PHASE (AT BASE RATING, 25 °C)
 R1 .425 X1 1.56
 R2 .324 X2 2.31
 XM 40.3

RATED FULL LOAD DATA

	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
BASE SPEED	1774	7.51	22	460	60	10.9
MAX SPEED	3542	7.51	11	460	120	9.84
MIN SPEED	0	0	22	13.0	.878	10.9

LOAD PERFORMANCE AT BASE SPEED

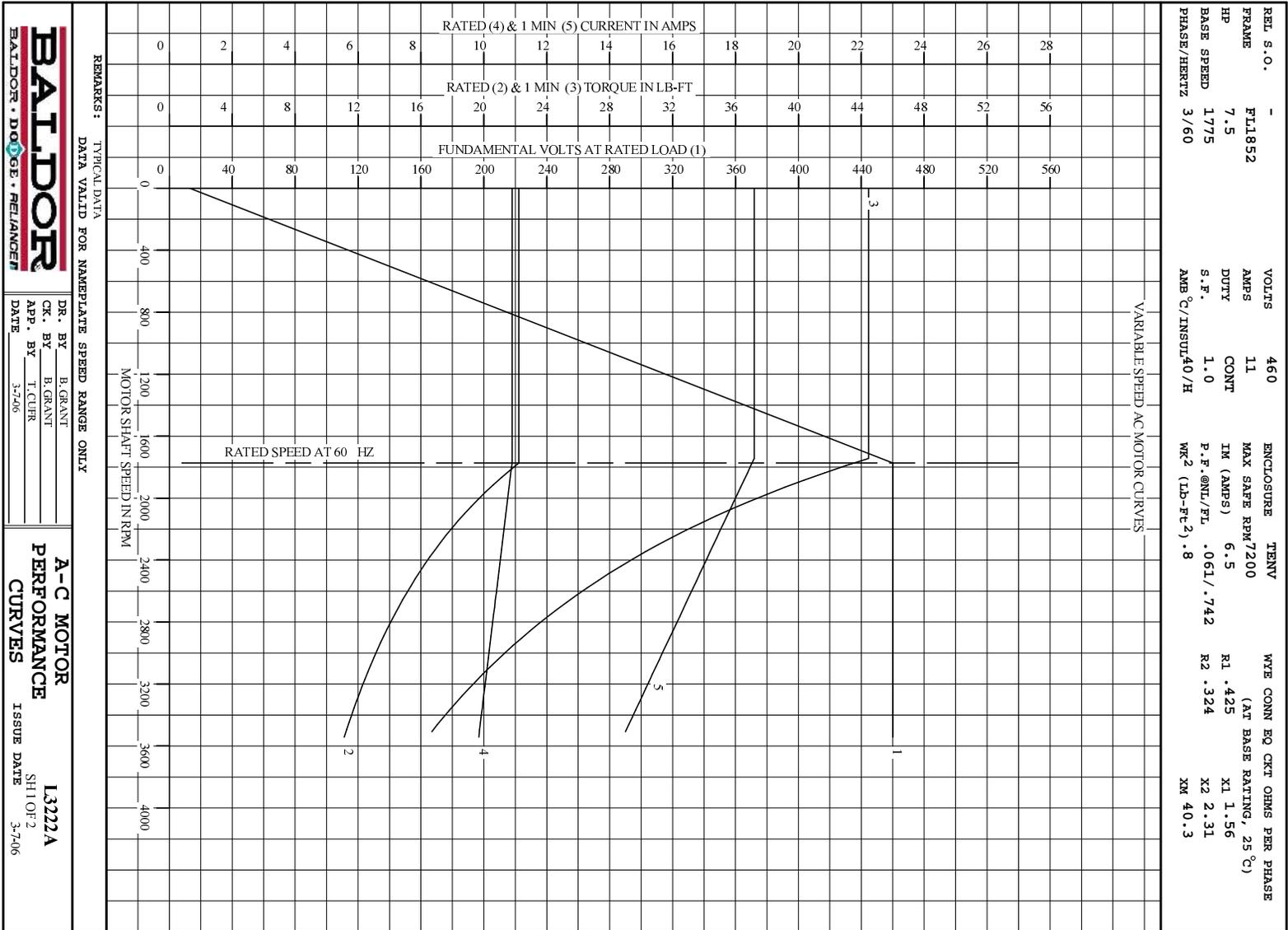
	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
NO LOAD	1800	0	0	460	60	6.38
1/4	1793	1.88	6	460	60	6.96
1/2	1787	3.75	11	460	60	7.92
3/4	1780	5.63	17	460	60	9.26
FULL LOAD	1774	7.51	22	460	60	10.9
O/L	1744	14.8	44	460	60	18.6

BLOWER DATA

VOLTS	PH/HZ	FL AMPS	LR AMPS	FRAME	CFM

REMARKS: TYPICAL DATA

	DR. BY B. GRANT	A-C MOTOR PERFORMANCE DATA L3222A ISSUE DATE 3-7-06
	CK. BY T. CUER	
APP. BY 3-7-06		

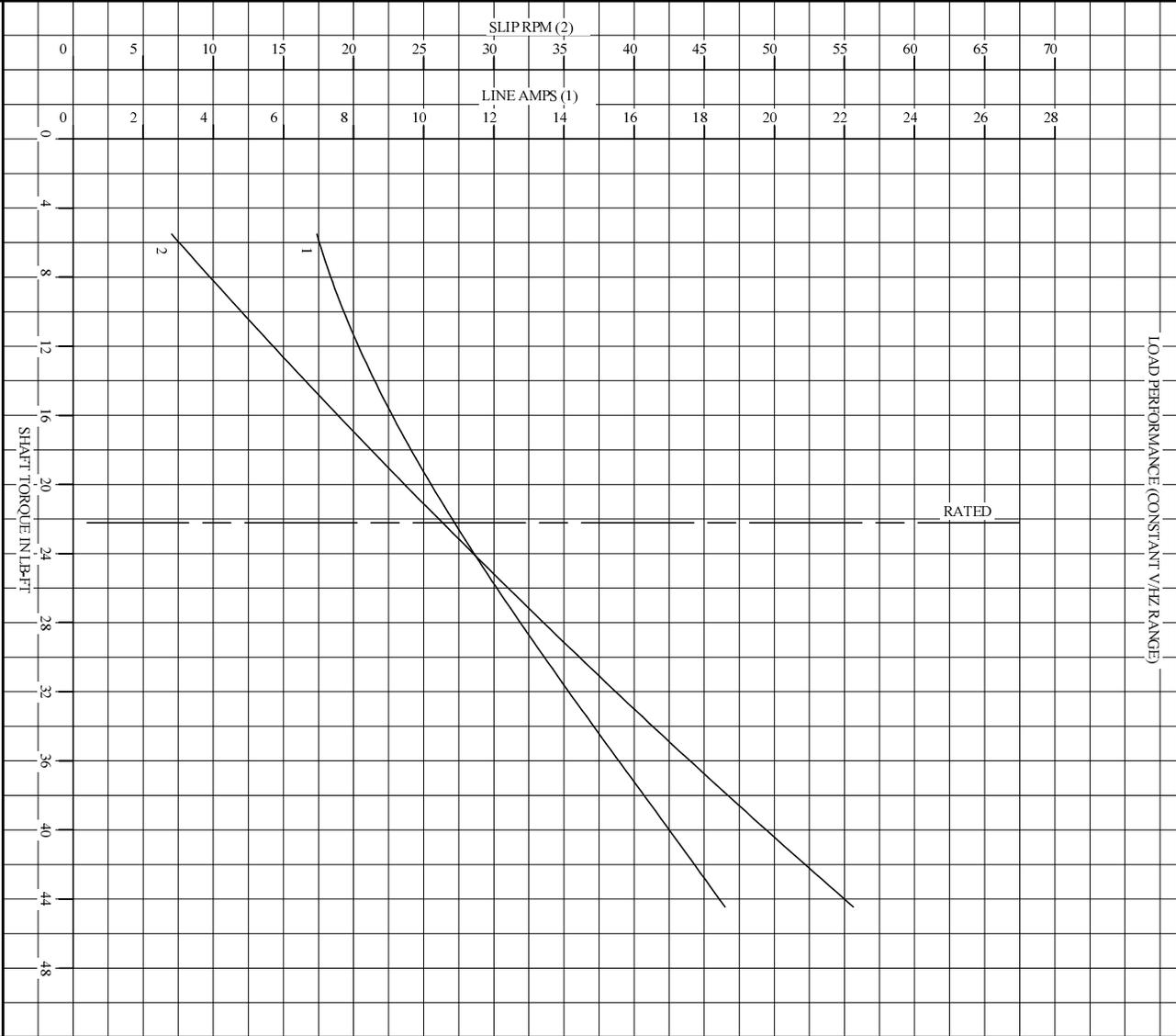


BALDOR
BALDOR • DOUGLASS • RELIANCE

DR. BY B. GRANT
CK. BY B. GRANT
APP. BY T. CURR
DATE 3-7-06

A-C MOTOR
PERFORMANCE
CURVES
ISSUE DATE 3-7-06
L3222A
SH 1 OF 2

REL S.O.	-	VOLTS	460	ENCLOSURE	TENV	WYE CONN EQ CKT OHMS PER PHASE
FRAME	FL1852	AMPS	11	MAX SAFE RPM	7200	(AT BASE RATING, 25°C)
HP	7.5	DUTY	CONT	IM (AMPS)	6.5	R1 .425 X1 1.56
BASE SPEED	1775	S.F.	1.0	P.F.@NL/FL	.061/.742	R2 .324 X2 2.31
PHASE/HERTZ	3/60	AMB C/INSUL	40/H	WK ² (LB-FC ²)	.8	XN 40.3



REMARKS: TYPICAL DATA
DATA VALID FOR NAMEPLATE SPEED RANGE ONLY

BALDOR		DR. BY	B. GRANT	A-C MOTOR	L3222A	
BALDOR • DOUG • RELIANCE		CK. BY	B. GRANT			
		APP. BY	T. CURR			PERFORMANCE
		DATE	3-7-06			CURVES
				ISSUE DATE	3-7-06	

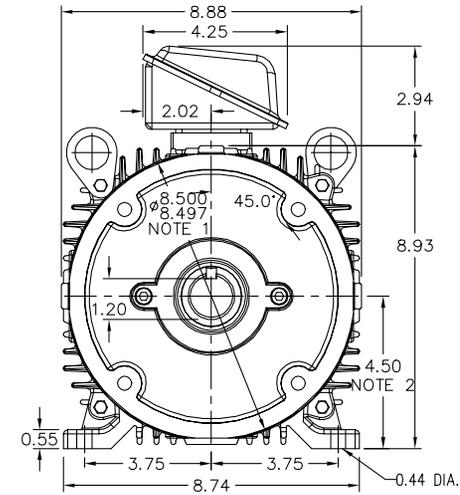
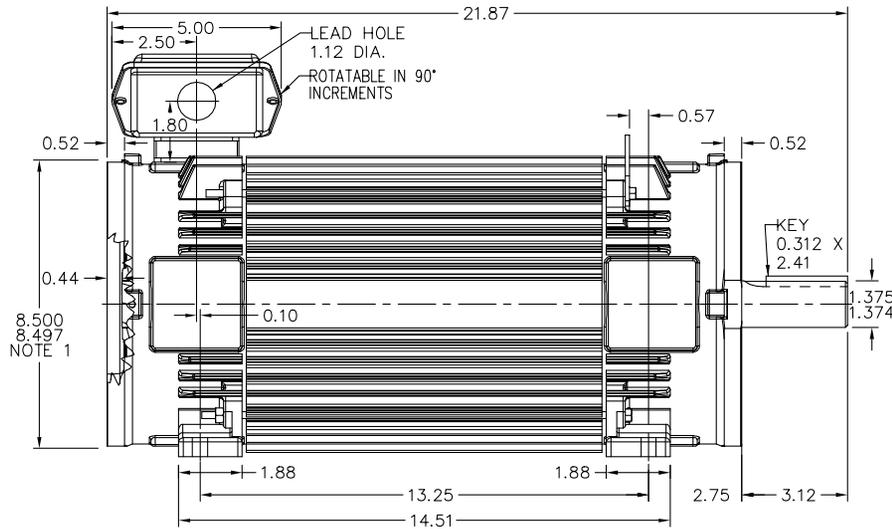
RPM-AC FINNED FRAME VARIABLE SPEED ALTERNATING CURRENT MOTOR
FL1852CZ

ENCLOSURE: TOTALLY ENCLOSED
MOUNTING: FOOT / NEMA 210TC C-FACE
DRIVE METHOD: COUPLED OR BELTED

COOLING: NON-VENTILATED

ACCESSORIES: PROVISIONS FOR TACHOMETER MOUNTING ONLY WHEN SPECIFIED

617234-013



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
REFER TO 616779-55 FOR SPECIFIED TACHOMETER DIMENSIONS

MOTOR WEIGHT: 194 LBS. (MAY VARY 15%)
DIMENSIONS ARE IN INCHES SCALE: 1.00

617234-013

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

REV. DESC: LOADED TO BUS	VERSION: 00	TDR: 000000481267
REV. LTR: -	REVISED: 11:13:35 11/14/2008	BY: CONBAT
FILE: \RGG\00003\410		
MTL: -		

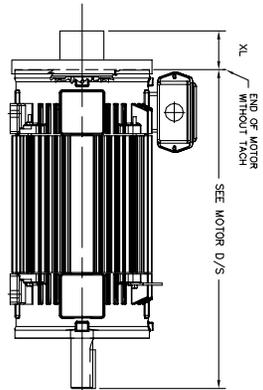
BALDOR • DODGE • RELIANCE
DIM SH 210TC RPMC TENV FL1852CZ FT MT PROV FOR TACH
SH 1 of 1

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

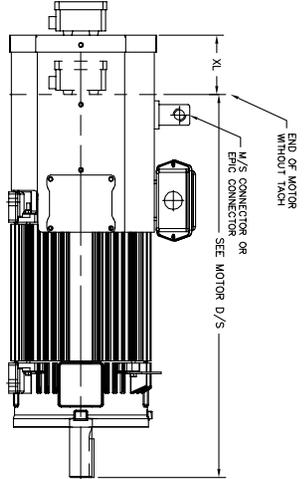
616779-055

TACH MODEL	XL Inche(stmm)	LBS.
BELT DYNAPAR H335	2.88 (74)	5
DYNAPAR H20 *	7.50(191)MAX	10
NORTHSTAR H335M	3.31 (84)	10
NORTHSTAR ST67	2.88 (74)	5
DYNAPAR H36	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
BELT H38B	10.19 (259)	15
TAMAGAWA TS2151	2.64 (67)	15
BELT H35	7.50 (191)	15
DYNAPAR H320	2.00 (.50)	5
DYNAPAR X23	12.88 (327)	10
STIEGMANN SRK25	7.25 (184.4)	10
NORTHSTAR H3035	3.00 (.76)	10
HEIDENHAIN EGN425	2.5 (63.5)	5
AVTRON H335M	4.19 (106.4)	5
HEIDENHAIN ERN480	5.00 (76.2)	5
DYNAPAR H025	7.00 (177.8)	10
DYNAPAR H025	3.62 (92.1)	5
AVTRON H025	2.54 (64.5)	9
AVTRON A1850	4.50 (115)	15
AVTRON A1956	2.54 (64.5)	9
HS1258	3.30 (84)	5
HS1258	3.30 (84)	5
NORTHSTAR P18	3.25 (83)	15
DYNAPAR H4625	5.88 (150)	10
AVTRON A1495	9.50 (241)	18
AVTRON A1932	1.93 (49)	.7

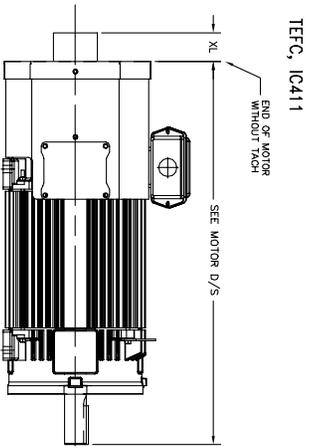


TEAO-BC, IC416-BC
 EXCLUDES NEMA FRAMES FL320 THRU FL440
 AND
 IEC FRAMES FDL200 THRU FDL280

TACH MODEL	XL Inche(stmm)	LBS.
BELT DYNAPAR H335	4.50 (115)	10
DYNAPAR H20	4.50 (115)	15
AVTRON M3 BR M4	4.50 (115)	10
NORTHSTAR H335M	4.50 (115)	15
NORTHSTAR ST65	4.50 (115)	10
NORTHSTAR ST67	4.50 (115)	10
NORTHSTAR ST85	4.50 (115)	5
TAMAGAWA TSS008, TSS013	4.50 (115)	10
DYNAPAR H320	4.50 (115)	15
STIEGMANN SRK25	4.50 (115)	10
STIEGMANN SRV/SR150	4.50 (115)	3
STIEGMANN SR350	4.50 (115)	15
H250 & H252	4.50 (115)	15
AVTRON H335M	4.50 (115)	10
AVTRON A185	4.50 (115)	10
AVTRON H35	4.50 (115)	5
AVTRON H67	4.50 (115)	10
HS138	4.50 (115)	5
TS2014	4.50 (115)	10
AVTRON H345	4.50 (115)	15
DYNAPAR H3038M	4.50 (115)	15
AVTRON A1932	4.50 (115)	.7



TACH MODEL	XL Inche(stmm)	LBS.
BELT H335	2.88 (74)	7
NORTHSTAR H335M	3.31 (84)	10
DYNAPAR H20	3.75 (95)	15
DYNAPAR H335, H3038	2.88 (74)	7
H02XTD	9.75 (248)	35
EMMS	7.90 (201)	35
AVTRON H335M	4.19 (106)	2
STIEGMANN SRK50	3.75 (95)	1
DYNAPAR H320	2.00 (.51)	1
NORTHSTAR H3035	2.81 (71)	2
NORTHSTAR H3038	3.30 (84)	5
AVTRON A1932	1.93 (49)	.7



950-671919

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

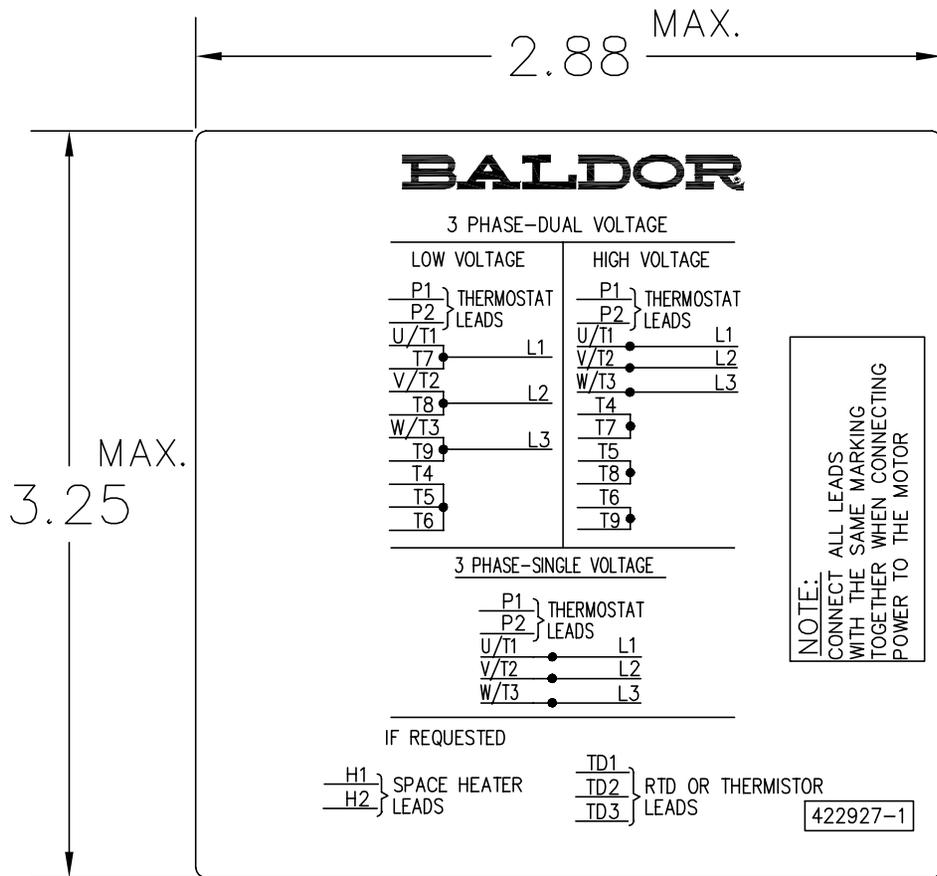
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FILE: \RGG\00003\694		
MTL: -		

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.

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