

BALDOR® • RELIANCE

Product Information Packet

IDDRPM281504

150HP, 1750/2000, 3PH, RL2882, DPFV, F1

Part Detail							
Revision:	-	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:		Elec. Spec:	L0234A	CD Diagram:	422927-001
Enclosure:	DPFV	Mfg Plant:		Mech. Spec:		Layout:	617243-001
Frame:	RL2882	Mounting:	F1	Poles:	04	Created Date:	04-10-2015
Base:		Rotation:	R	Insulation:	H	Eff. Date:	04-13-2015
Leads:						Replaced By:	
Literature:		Elec. Diagram:					

Nameplate 000613006MY

DUTY		HP	RPM	AMPS	VOLTS	HZ
CONT		150	1755	180	460	60
CONT		150	2000	180	460	68.5

CAT.NO.	IDDRPM281504		SPEC. NO.	P28R0309	
SER.NO.			FR	RL 2882	INSUL
PH.	3	MAX SAFE SPEED	5000	AMB.	40
DESIGN NO.	L0234A		TYPE		ENCL.
S.F.	1.0		D.E. BRG.	75BC02J30X	
ENCL MOD	FORCE VENT		O.D.E. BRG.	55BC02J30X	

MIN. AMB.	-25
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REL. S. O.	-	VOLTS	460	ENCLOSURE	DPFV	WYE CONN EQ CKT OHMS PER PHASE (AT BASE RATING, 25 °C)
FRAME	RL2882	AMPS	179.52	MAX SAFE RPM	5000	
HP	150	DUTY	CONT	IM (AMPS)	50.44	R1 .0332 X1 .230
BASE SPEED	1755	S.F.	1.0	P.F. @NL/FL	.054/.866	R2 .0230 X2 .222
PHASE/HERTZ	3/60	AMB °C/INSUL	40/H	WK ² (LB-FT ²)	8.3	XM 5.35

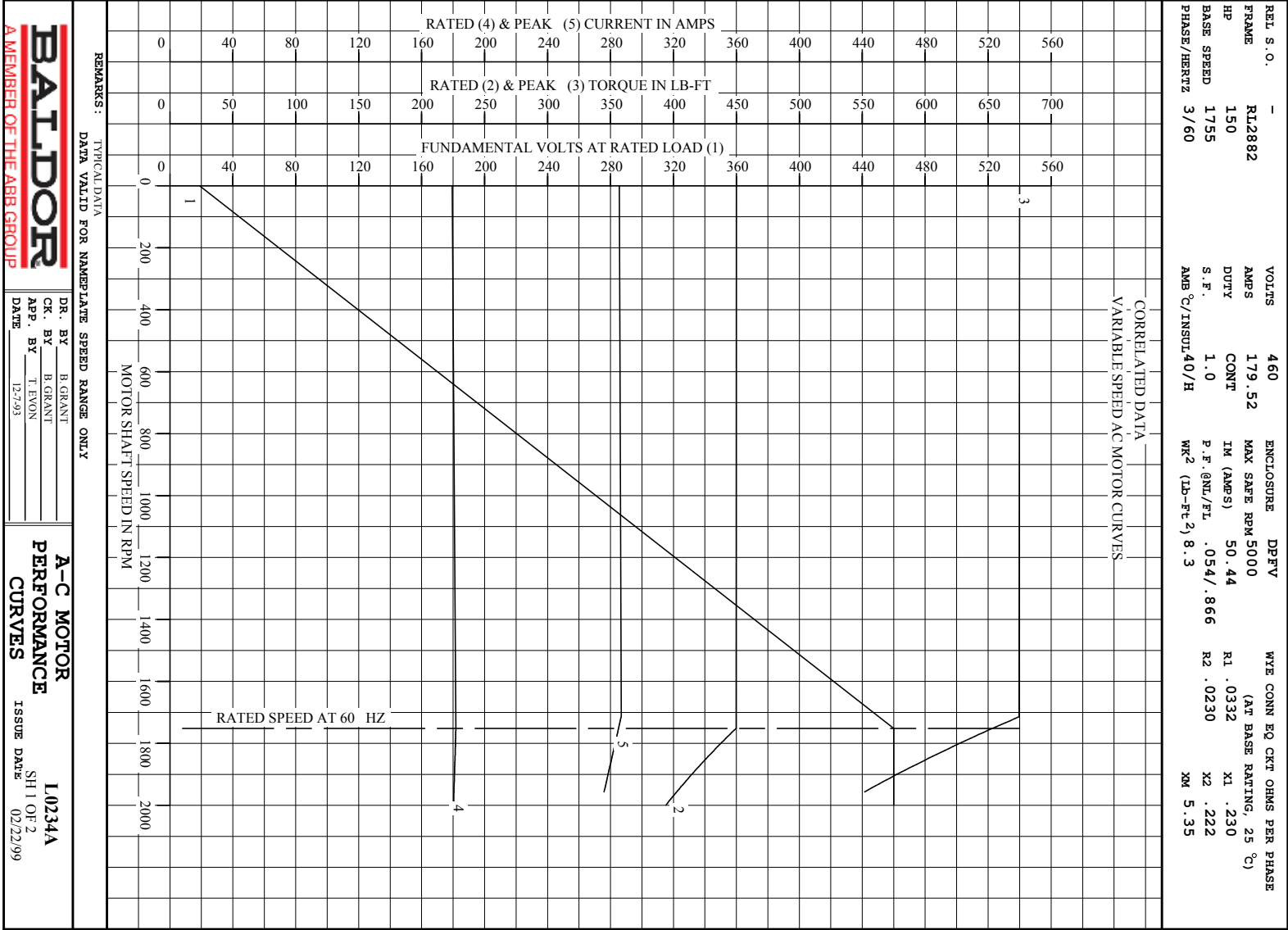
RATED FULL LOAD DATA						
	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
BASE SPEED	1752	150	450	460	60	182
MAX SPEED	1999	150	394	460	68.5	180
MIN SPEED	0	0	0	18.9	1.61	180

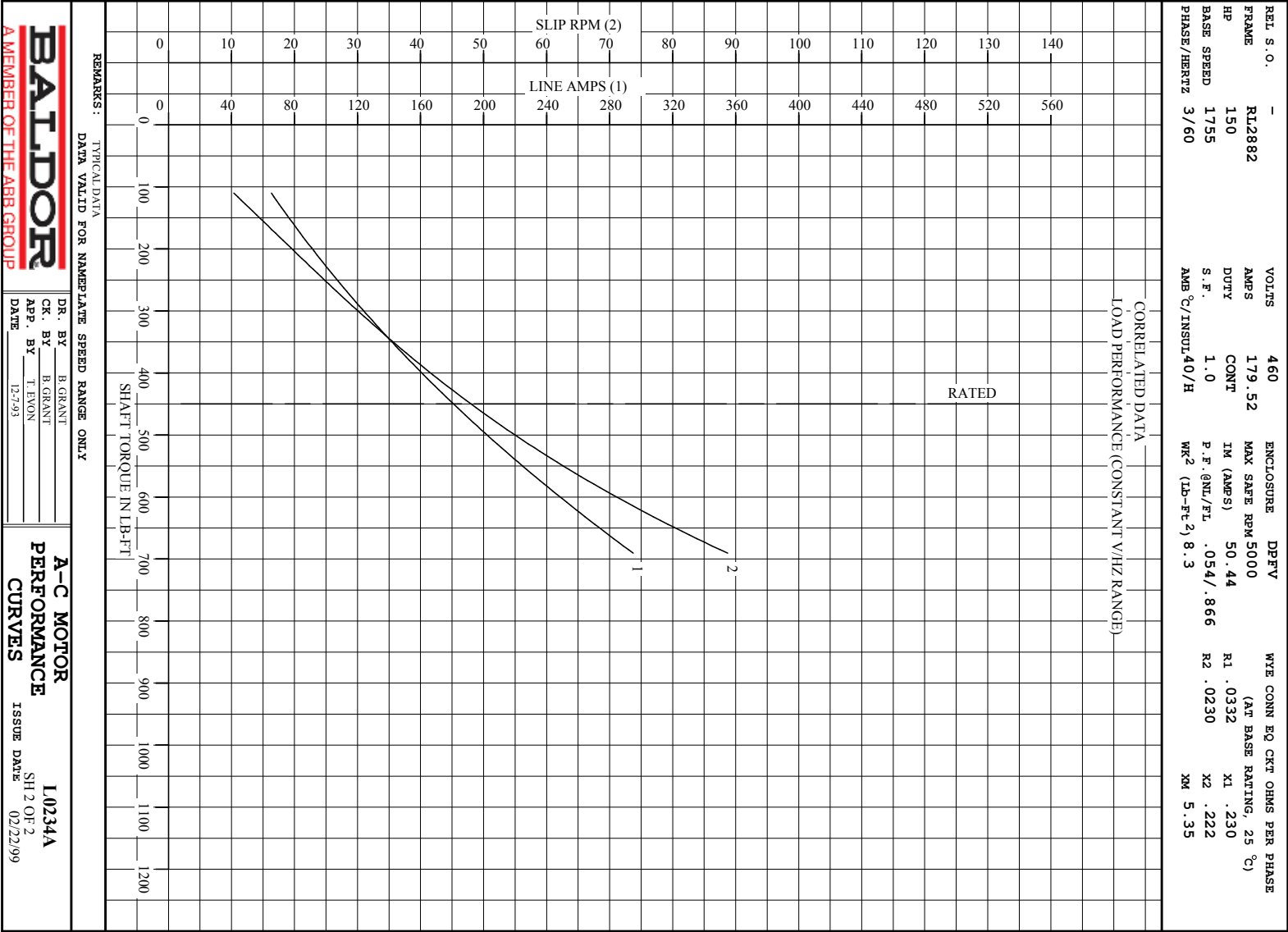
LOAD PERFORMANCE AT BASE SPEED						
	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
NO LOAD	1800	0	0	460	60	49.4
1/4	1790	37.5	110	460	60	65.6
1/2	1778	75.0	221	460	60	97.3
3/4	1766	112	334	460	60	136
FULL LOAD	1752	150	450	460	60	182
O/L	1714	220	675	460	60	287

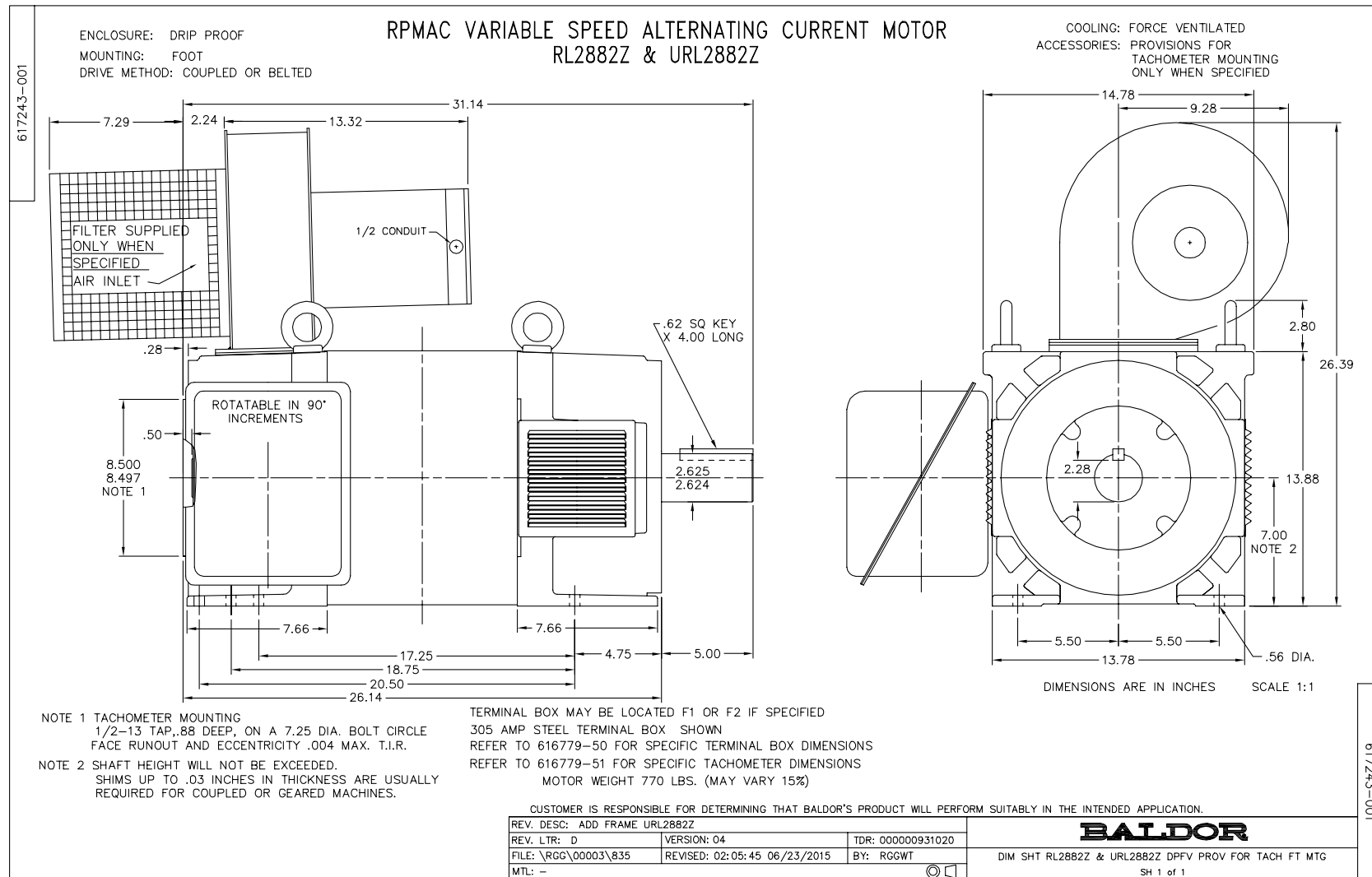
REMARKS: TYPICAL DATA
CORRELATED DATA

		DR. BY <u>B. GRANT</u> CK. BY <u>B. GRANT</u> APP. BY <u>T. EVON</u> DATE <u>12-7-93</u>	A-C MOTOR PERFORMANCE DATA L0234A ISSUE DATE 02/22/99
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A MEMBER OF THE ABB GROUP



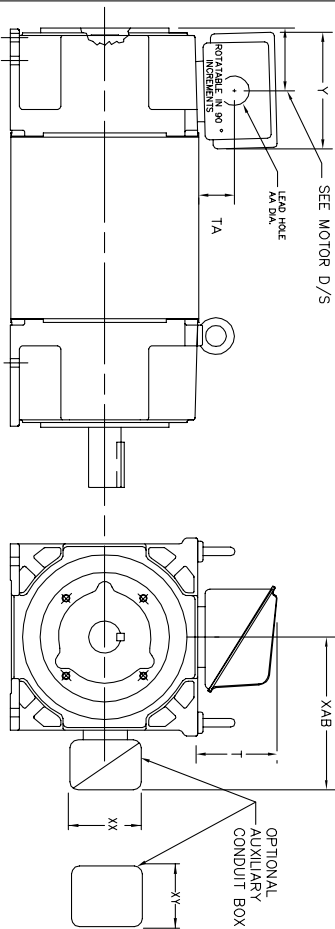




616779-050

INDUSTRIAL ALTERNATING CURRENT MOTORS
RPM AC

STEEL, CAST IRON, MILL AND TERMINAL BOARD CONDUIT BOX DIMENSIONS
NEMA FRAMES RL210 thru RL280 and IEC FRAMES RDL132 thru RDL180
NEMA FRAMES FL180 thru FL280 and IEC FRAMES FDL112 thru FDL180



TERMINAL BOX	Y	TA	T	AA	MAX. AMPS	REMARKS
706310-63B	14.39	7.43	12.15	--	400	TERMINAL STRIP
706310-226R	9.00	3.06	5.40	Pg36 & P416	160	TERMINAL STRIP
706310-225R	7.75	2.30	4.40	Pg29 & P416	100	TERMINAL STRIP
706310-56B	9.00	3.06	5.40	Pg36 & P416	160	TERMINAL STRIP
706310-56A	7.75	2.30	4.40	Pg29 & P416	100	TERMINAL STRIP
706320-14D	15.00	7.56	12.81	5	510	CAST IRON
706320-13A	10.50	4.88	9.00	4.0 TAP	210	CAST IRON
706320-12B	9.25	4.81	8.56	3	140	CAST IRON
75460-62B	7.25	2.50	5.25	1.5 TAP	110	CAST IRON
706320-4C	5.75	2.38	4.38	1.0 TAP	60	CAST IRON FL180 ONLY
706310-3E	16.00	4.40	7.81	3	590	MILL
706310-3X	8.00	2.38	5.00	--	160	MILL
702658-1C	14.62	7.56	12.70	5	500	STEEL
706320-16A	9.00	4.12	8.44	4.59	305	STEEL
706320-9A	7.25	3.50	7.06	2.50	160	STEEL
75454-1A1	7.69	2.38	5.25	1.94	121	STEEL
75452-B	6.34	2.00	4.12	1.75	61	STEEL
75452-G	6.34	2.00	4.12	--	61	SPECIAL
706320-5A	6.12	2.38	4.38	1.75/2.00	75	STEEL FL180 ONLY
706320-3A	5.00	1.62	3.00	1.12	40	STEEL FL180 ONLY
706320-7A	7.62	2.00	7.00	2.5/3.0	208	STEEL FL180 ONLY

OPTIMUM AUXILIARY CONDUIT BOX DIMENSIONS (MAXIMUM)									
FRAME SIZE	XAB	XX	XY	PART NUMBER	FRAME SIZE	XAB	XX	XY	PART NUMBER
FL210/FL132/RL210/RL132	7.38	4.25	4.25	602007-26-A	FL210/FL132/RL210/RL132	10.88	8.00	8.00	706310-3-B
FL280/FL180/RL280/RL180	8.44	4.25	4.25	602007-26-A	FL280/FL180/RL280/RL180	11.88	8.00	8.00	706310-3-B
FL280/FL180/RL280/RL180	9.12	4.25	4.25	602007-26-A	FL280/FL180/RL280/RL180	12.62	8.00	8.00	706310-3-B

- (1) "AA" CONDUIT.
(2) "AA" PIPE TAP.
(3) CUSTOMER TO PROVIDE HOLE FOR CONDUIT.
(4) E DN -3A, or 1" TAP DN -4C.

TERMINAL BOX CAN BE ROTATED FOR LEAD OUTLET AT TOP, SIDES OR BOTTOM.
TERMINAL BOX LOCATED ON OPPOSITE SIDE WHEN F-2, W-1, W-4, W-5, W-7,
OR C-1 MOUNTING IS SPECIFIED. BOX LOCATED ON TOP WHEN SPECIFIED.

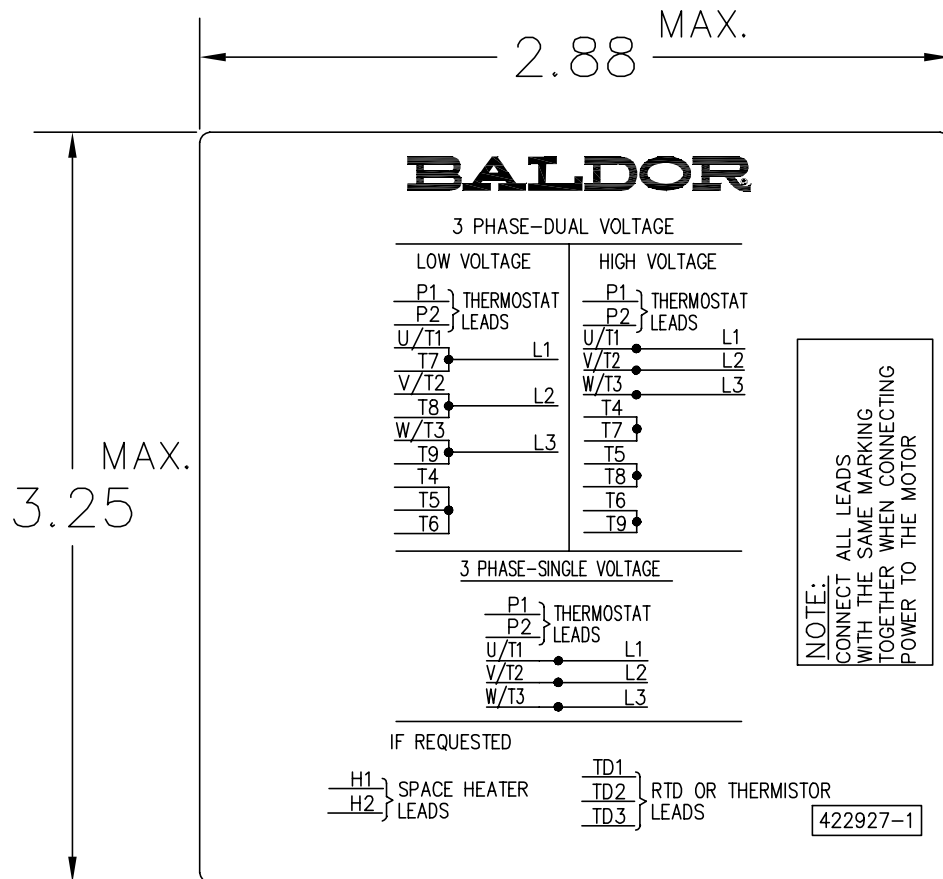
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CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: BOX # 706320-9A, CHANGE AA DIM FROM 2 TO 2.50	TDR: 000000785386
REV. ITR: C	VERSION: 03
FILE: RGG\00003\692	REVISED: 08:40:55 02/11/2013
MTL: -	BY: RGGWT

BALDOR
DIM SHT NEMA RL210-RL280 FL180-FL280 IEC RDL132-RDL180
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
WITH THE
TOGETHER
POWER T

422927-1

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: RCGWT

BALDOR.

EXTERNAL CONNECTION LABEL

SH 1 of 1