

BALDOR® • RELIANCE

Product Information Packet

IDDRPM251254

125HP,1750RPM,3PH,N/AHZ,2586,DPG-FV,

Part Detail							
Revision:	-	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	L1824A	CD Diagram:	422927-001	Mfg Plant:	
Mech. Spec:		Layout:	617222-001	Poles:	04	Created Date:	04-10-2015
Base:		Eff. Date:	04-13-2015	Leads:			

Specs			
Catalog Number:	IDDRPM251254		
Enclosure:	DP		
Frame:	RL2586		
Frame Material:	Exposed Laminations		
Output @ Frequency:	125.000 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:	148.000 A @ 460.0 V		
Duty Rating:	CONT		
Enclosure Modification:	FORCE VENT		
Feedback Device:	NO FEEDBACK		
Frame Prefix:	RL		
Heater Indicator:	No Heater		

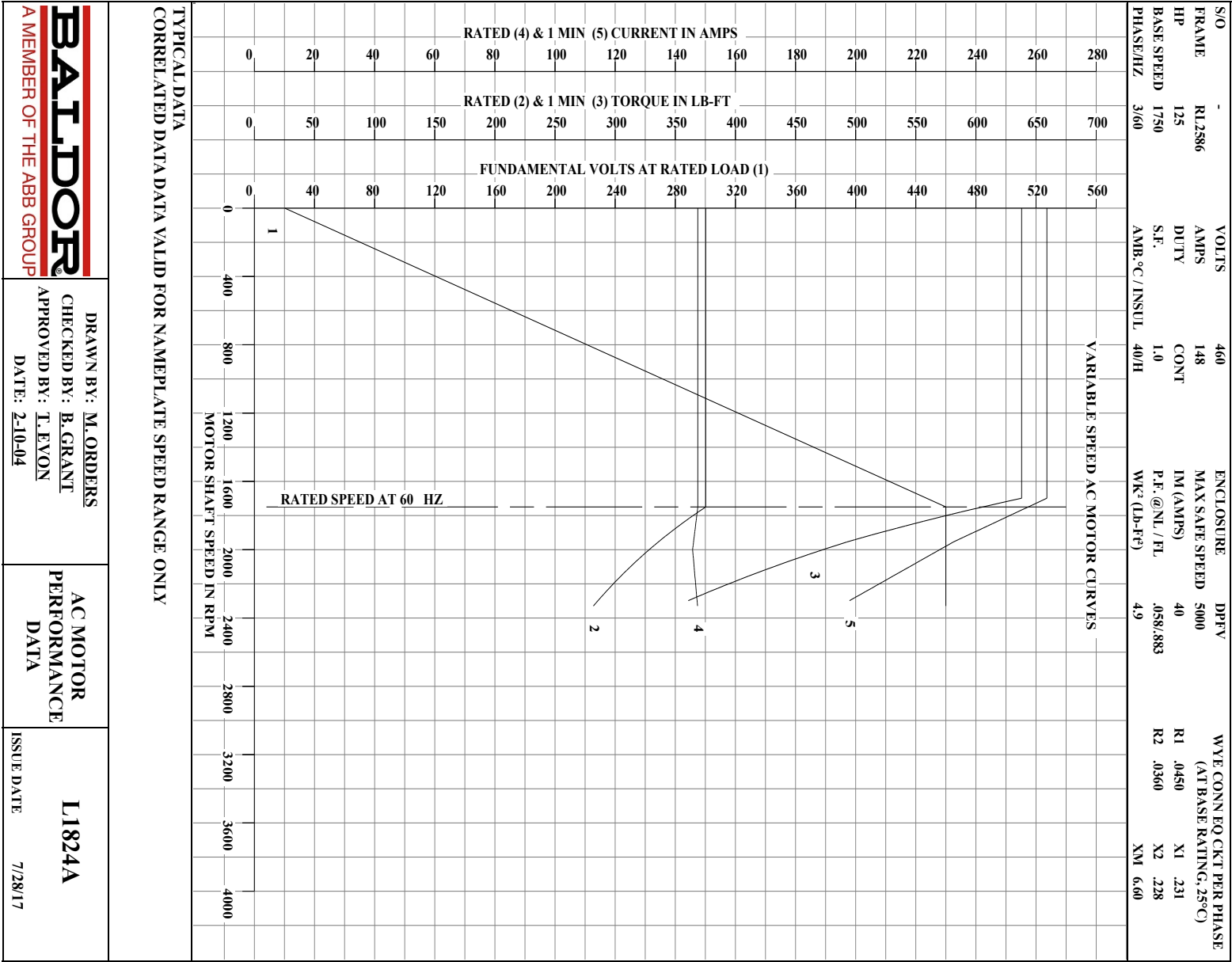
Insulation Class:	H		
Mounting Arrangement:	F1		
Product Family:	General Industrial		
Pulley End Bearing Type:	Ball		
Pulley Face Code:	Standard		
Shaft Ground Indicator:	No Shaft Grounding		
Shaft Rotation:	Reversible		
Motor Standards:	NEMA		
Thermal Device - Bearing:	None		
Thermal Device - Winding:	Normally Closed Thermostat		

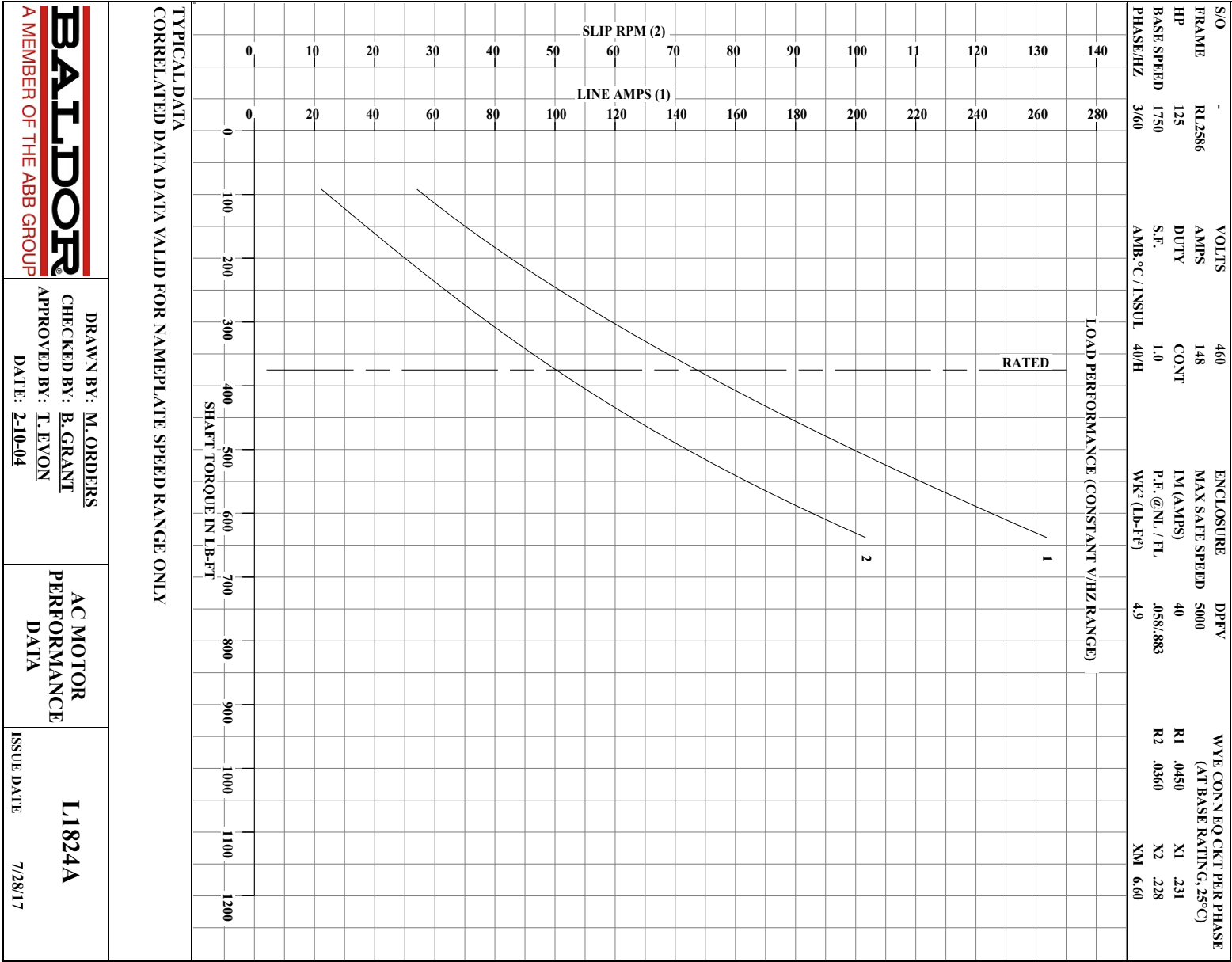
Nameplate 000613006NN

	DUTY	HP	RPM	AMPS	VOLTS	HZ	
	CONT	125	1750	148	460	60	
	CONT	125	1900	146	460	65.1	
	CONT	125	2330	147	460	80	
CAT.NO.	IDDRPM251254		SPEC. NO.		P25R0233		
SER.NO.			FR	RL 2586	INSUL	H	
PH.	3		MAX SAFE SPEED	5000	AMB.	40	MIN. AMB. 0
DESIGN NO.	L1824A		TYPE		ENCL.	DP	
S.F.	1.00		D.E. BRG.	65BC03JPP30A			
ENCL MOD	FORCE VENT		O.D.E. BRG.	50BC03JPP30A			

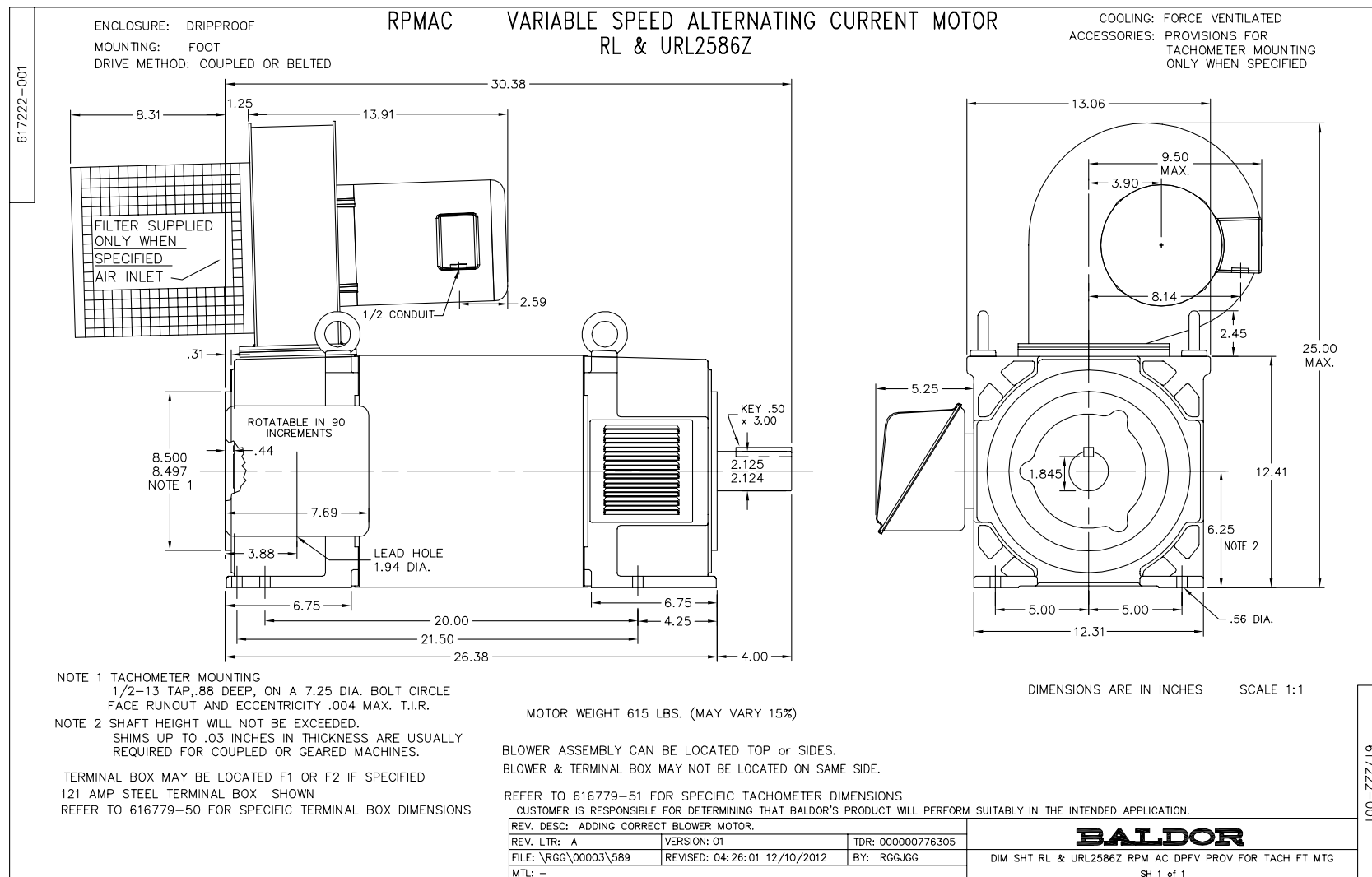
S/O	-	VOLTS	460	ENCLOSURE	DPV	WYE CONNECTION PER PHASE (AT BASE RATING, 25°C)		
FRAME	RL2586	AMPS	148	MAX SAFE SPEED	5000			
HP	125	DUTY	CONT	IM (AMPS)	40	R1	.0450	X1 .231
BASE SPEED	1750	S.F.	1.0	P.F. @NL / FL	.058/.883	R2	.0360	X2 .228
PHASE/HZ	3/60	AMB.°C / INSUL	40/H	WK (lb-ft³)	4.9	XM 6.60		
RATED FULL LOAD DATA								
	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS		
BASE SPEED	1750	125	375	460	60	147		
MAX SPEED	2329	125	282	460	80	147		
MIN SPEED	0	0	375	20.2	1.68	147		
LOAD PERFORMANCE AT BASE SPEED								
	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS		
NO LOAD	1800	0	0	460	60	40.5		
1/4	1789	31.3	92	460	60	54.2		
1/2	1777	62.6	185	460	60	80.1		
3/4	1764	93.7	279	460	60	112		
FULL LOAD	1750	125	375	460	60	147		
0/L	1698	206	638	460	60	264		
REMARKS:								
TYPICAL DATA								
CORRELATED DATA								
BALDOR A MEMBER OF THE ABB GROUP		DRAWN BY: M. ORDERS CHECKED BY: B. GRANT APPROVED BY: T. EVON DATE: 2-10-04		AC MOTOR PERFORMANCE DATA		L1824A ISSUE DATE 7/28/17		

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616779-050

Technical drawing of the motor showing side and front views with dimensions:

- Side View (Top):**
 - Overall width: Y
 - Distance from center to lead hole: $Y/2$
 - Lead hole diameter: $\phi 10$
 - Lead hole label: LEAD HOLE $\phi 10$
 - Distance from lead hole to terminal box: TA
 - Terminal box label: ROTATABLE IN 90°
- Front View (Bottom):**
 - Overall width: XAB
 - Terminal box width: XX
 - Terminal box height: XY
 - Terminal box label: OPTIONAL AUXILIARY CONDUIT BOX

FRAME	TYPE	TERMINAL SHIP	AMPS	C/BOX	Y	TA	T	AA
FL180	STEEL	N	40	7063200034	5.00	1.82	3.00	1.12
FL180	STEEL	Y/N	75	7063200034	6.12	2.36	4.38	1.75/2.00
FL180	STEEL	N	208	7063200074	7.62	2.00	7.00	2.50/3.00
FL180	CAST IRON	Y/N	60	706320004C	5.75	2.38	4.38	1.0.1AP
FL180 & FL011	MILL	Y	100	706310006A	7.75	2.50	4.40	P029/P016

F12.0 & R12.0	STEEL	N	61	07/545/0006B	6.34	2.00	4.12	1.25
F12.0 & R12.0	STEEL	N	131	07/545/4001A1	7.69	2.36	5.25	1.34
F12.0 & R12.0	STEEL	N	305	706320016A	9.00	4.12	8.44	4.59
F12.0 & R12.0	CAST IRON	N	110	07/5460042B	7.25	2.50	5.75	1.5 TAP
F12.0 & R12.0	MILL	Y	100	706310056A	7.75	2.30	4.40	P029 / P/G16
F12.0 & R12.0	MILL	Y	160	706310056B	9.00	3.06	5.40	P636 / P/G16
F12.0 & R12.0	MILL	Y	160	706310056B	9.00	3.06	5.40	P636 / P/G16

FL250 & RL250	STEEL	N	260	07/5452007/08	6.34	2.00	4.12	1.24
FL250 & RL250	STEEL	N	121	07/5452001/08	7.69	2.36	5.25	1.35
FL250 & RL250	STEEL	N	305	07/5452001/08	9.00	4.12	8.44	4.59
FL250 & RL250	CAST IRON	N	100	07/6350002/16	7.25	2.50	5.45	1.5 TAP
FL250 & RL250	CAST IRON	N	210	07/6350013/16	10.50	4.88	9.00	4.0 TAP
FL16 & RL16	MILL	Y	100	706310056A	7.75	2.20	5.40	PG22/PG16
FL250 & RL250	MILL	Y	160	706310056B	9.00	3.06	5.40	PG36/PG16
FL250 & RL250	MILL	Y	400	706310063B	14.39	7.43	12.15	BLANK

F1280 & R1280	STEEL	N	160	706320009A	9.00	2.25	3.50	7.00	2.50
F1280 & R1280	STEEL	N	305	706320016A	9.00	4.12	8.44	4.59	8.08
F1280 & R1280	STEEL	N	500	706320017A	11.82	7.56	12.70	5.00	10.00
F1280 & R1280	CAST IRON	N	210	706320013A	10.50	4.88	9.00	4.00	7AP
F1280 & R1280	CAST IRON	N	510	706320004D	15.00	7.56	12.81	5.0	TAP
F1280 & R1280	CAST IRON	N	510	706320004D	15.00	7.56	12.81	5.0	TAP
F1280 & R1280	STEEL	N	100	706310056A	7.75	2.30	4.40	Pc36/Pg16	
F1280 & R1280	MILL	Y	160	706310056B	9.00	3.06	5.40	Pc36/Pg16	
F1280 & R1280	MILL	Y	160	706310056B	9.00	3.06	5.40	Pc36/Pg16	
F1280 & R1280	MILL	Y	400	706310063B	14.39	7.43	12.15	BLANK	

OPTIMAL AUXILIARY CONJUGATE BOX DIMENSIONS (MAXIMUM)										
FRAME SIZE		XX	XY	PART NUMBER	FRAME SIZE		XX	XY	PART NUMBER	
F1200TL132	F1200TL132	7	3.88	61200T-7-3.88	F1200TL132	10	8.80	8	8.00	706310-3-B
F1250TL160	F1250TL160	8	4.45	61200T-8-4.45	F1250TL160	11	8.80	8	8.00	706310-3-B
F1300TL180	F1300TL180	9	12	61200T-9-12	F1300TL180	12	6.2	8	8.00	706310-3-B

- 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.

REV. DESC:	REPLACE CONDUIT BOX TABLE
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REV. LTR: D

VERSION: 04

FILE: \RGG\00003\692

REVISED: 11:46:16 10/19/2017

MTL: —

TDR: 000001047838

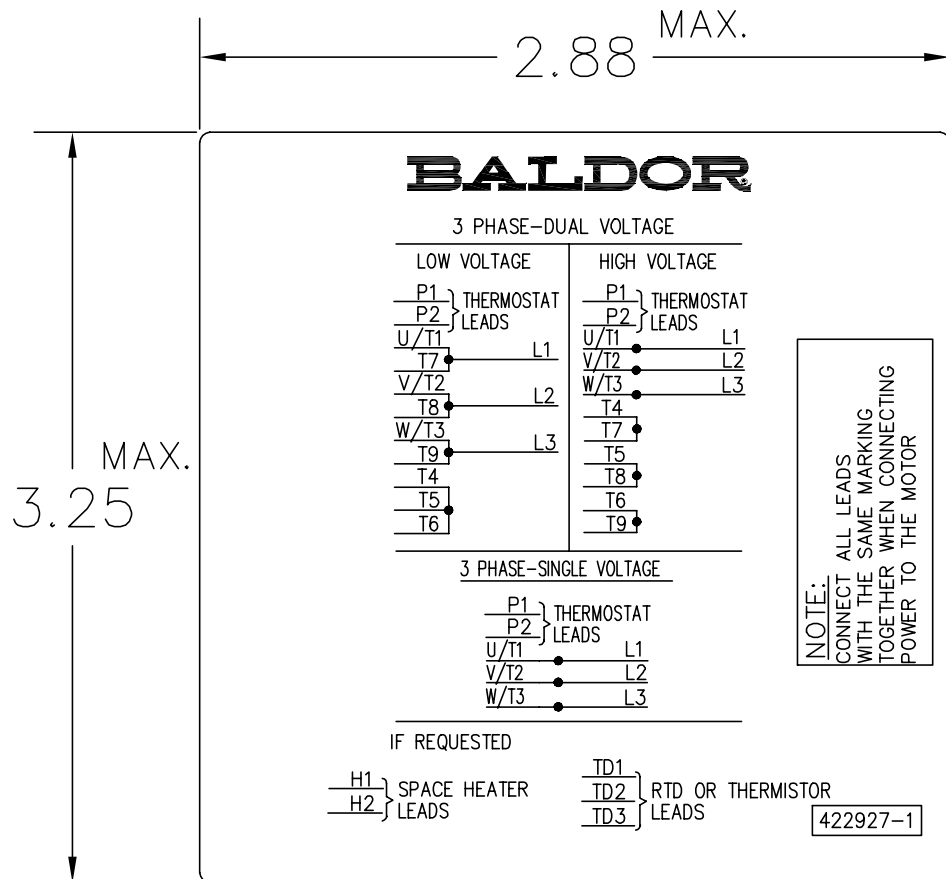
BY: RGGWT

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: RGGWT

BALDOR.

EXTERNAL CONNECTION LABEL

SH 1 of 1