

BALDOR® • RELIANCE

Product Information Packet

IDDRPM281256

125HP,1165RPM,3PH,NAHZ,L2898,DPG-FV,FOOT

Part Detail							
Revision:	-	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	L1591A	CD Diagram:	422927-001	Mfg Plant:	
Mech. Spec:		Layout:	617249-001	Poles:	04	Created Date:	04-10-2015
Base:		Eff. Date:	04-13-2015	Leads:			

Specs			
Catalog Number:	IDDRPM281256		
Enclosure:	DP		
Frame:	RL2898		
Frame Material:	Exposed Laminations		
Output @ Frequency:	125.000 HP @ 40 HZ		
Synchronous Speed @ Frequency:	1200 RPM @ 40 HZ		
Voltage @ Frequency:	460.0 V @ 40 HZ		
Auxillary Box:	No Auxillary Box		
Base Indicator:	Rigid		
Bearing Grease Type:	Polyrex EM (-20F +300F)		
Current @ Voltage:	150.900 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		

DUTY		HP	RPM	AMPS	VOLTS	HZ
CONT		125	1165	150.9	460	40
CONT		125	1970	159	460	68

CAT.NO.	IDDRPM281256		SPEC. NO.	P28R0316	
SER.NO			FR	RL 2898	INSUL H
PH.	3	MAX SAFE SPEED	5000	AMB.	40
DESIGN NO.	L1591A		TYPE		ENCL. DP
S.F.	1.0		D.E. BRG.	75BC02J30X	
ENCL MOD	FORCE VENT		O.D.E. BRG.	55BC02J30X	

MIN. AMB.	0
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REL S.O.	-	VOLTS	460	ENCLOSURE	DPFV	WYE	CONN	EQ	CKT	OHMS	PER	PHASE
FRAME	RL2898	AMPS	151	MAX SAFE RPM	5000	(AT BASE RATING, 25 °C)						
HP	125	DUTY	CONT	IM (AMPS)	48	R1	.0460	X1	.223			
BASE SPEED	1165	S.F.	1.0	P.F. @NL/FL	.055/.870	R2	.0346	X2	.239			
PHASE/HERTZ	3/40	AMB °C/INSUL	40/°H	WK ² (lb-ft ²)	11.1			XM	5.66			

RATED FULL LOAD DATA

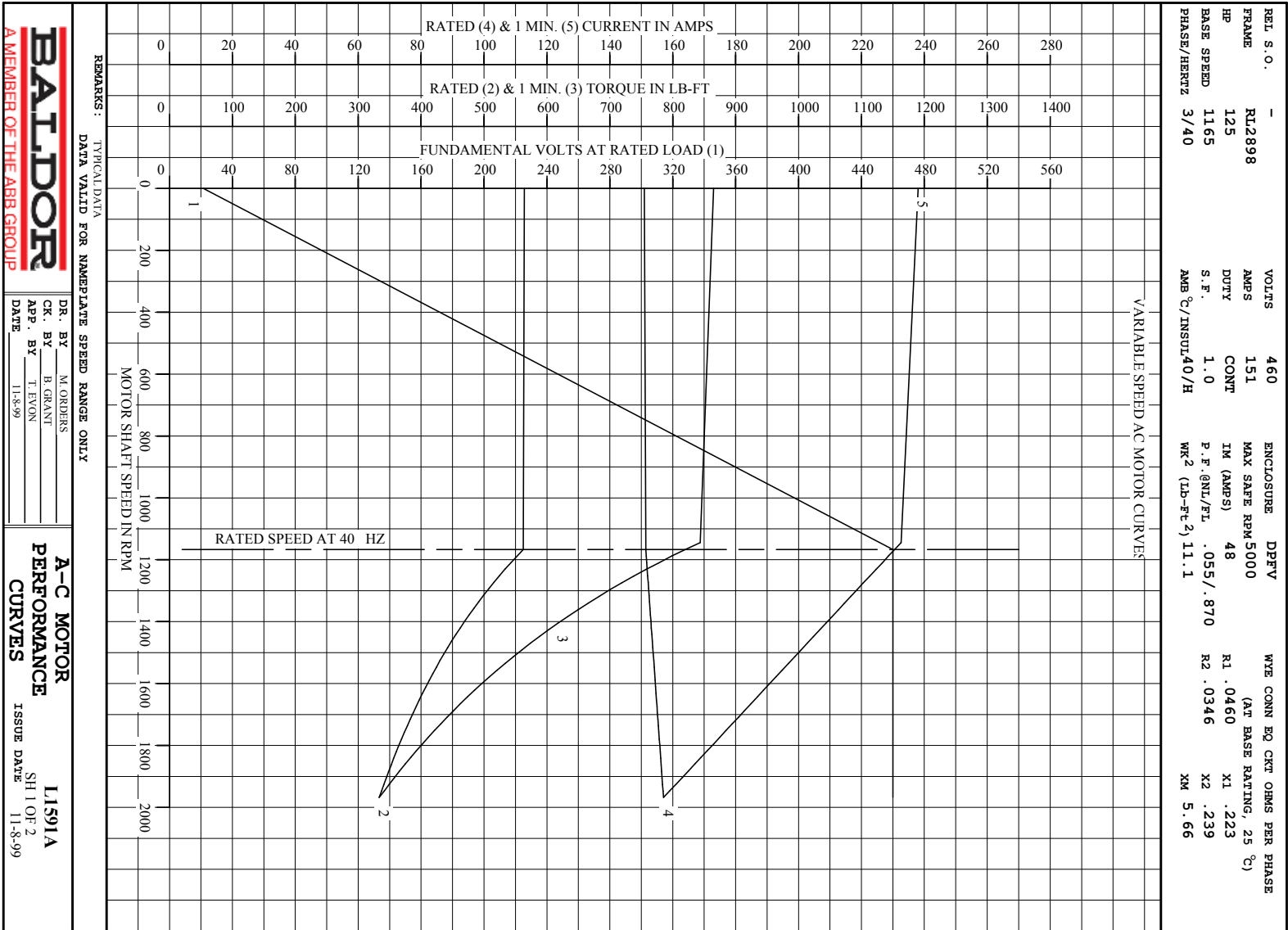
	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
BASE SPEED	1167	125	562	460	40	151
MAX SPEED	1969	125	333	460	67.8	157
MIN SPEED	0	0	0	21.4	1.10	151

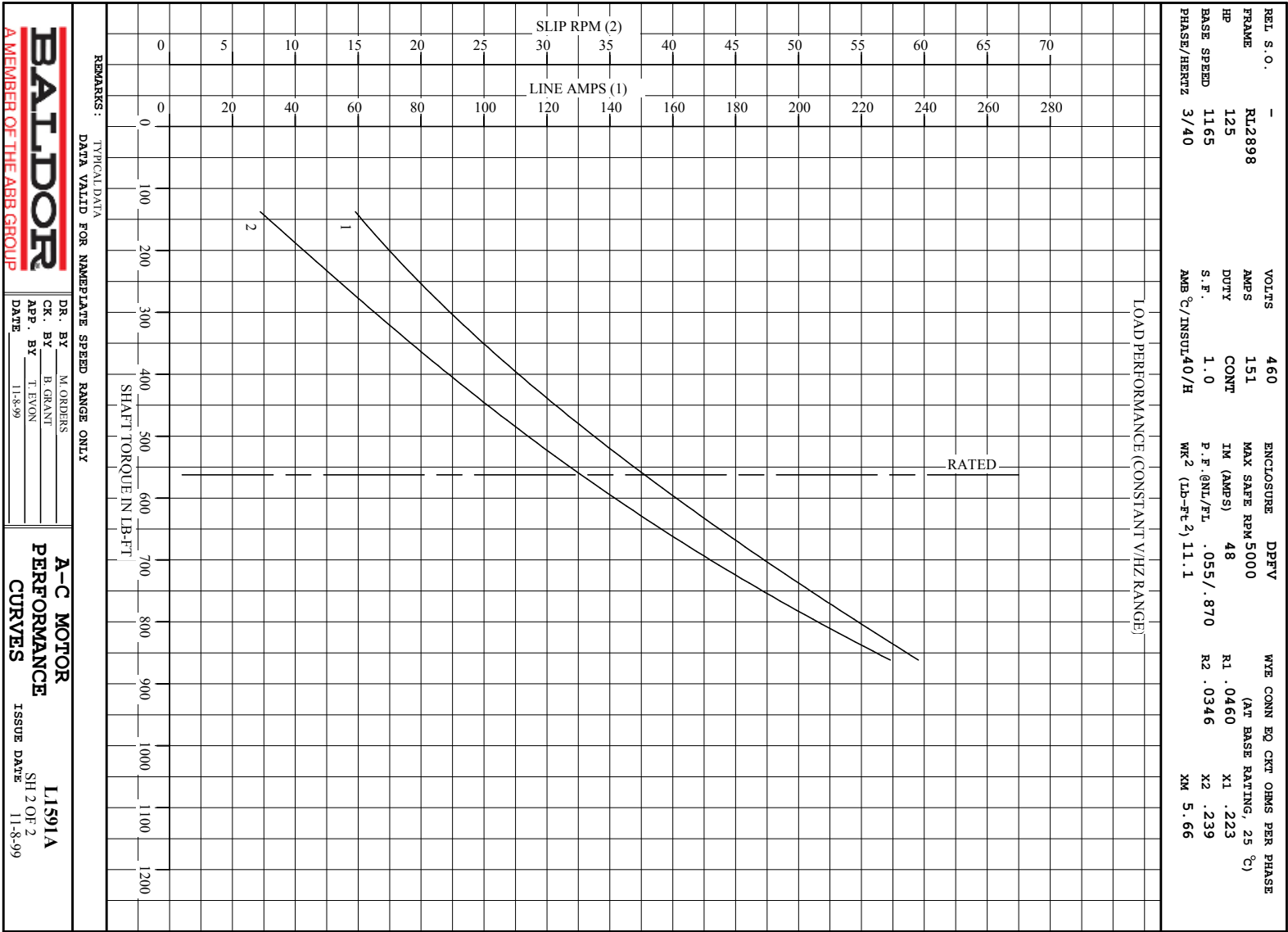
LOAD PERFORMANCE AT BASE SPEED

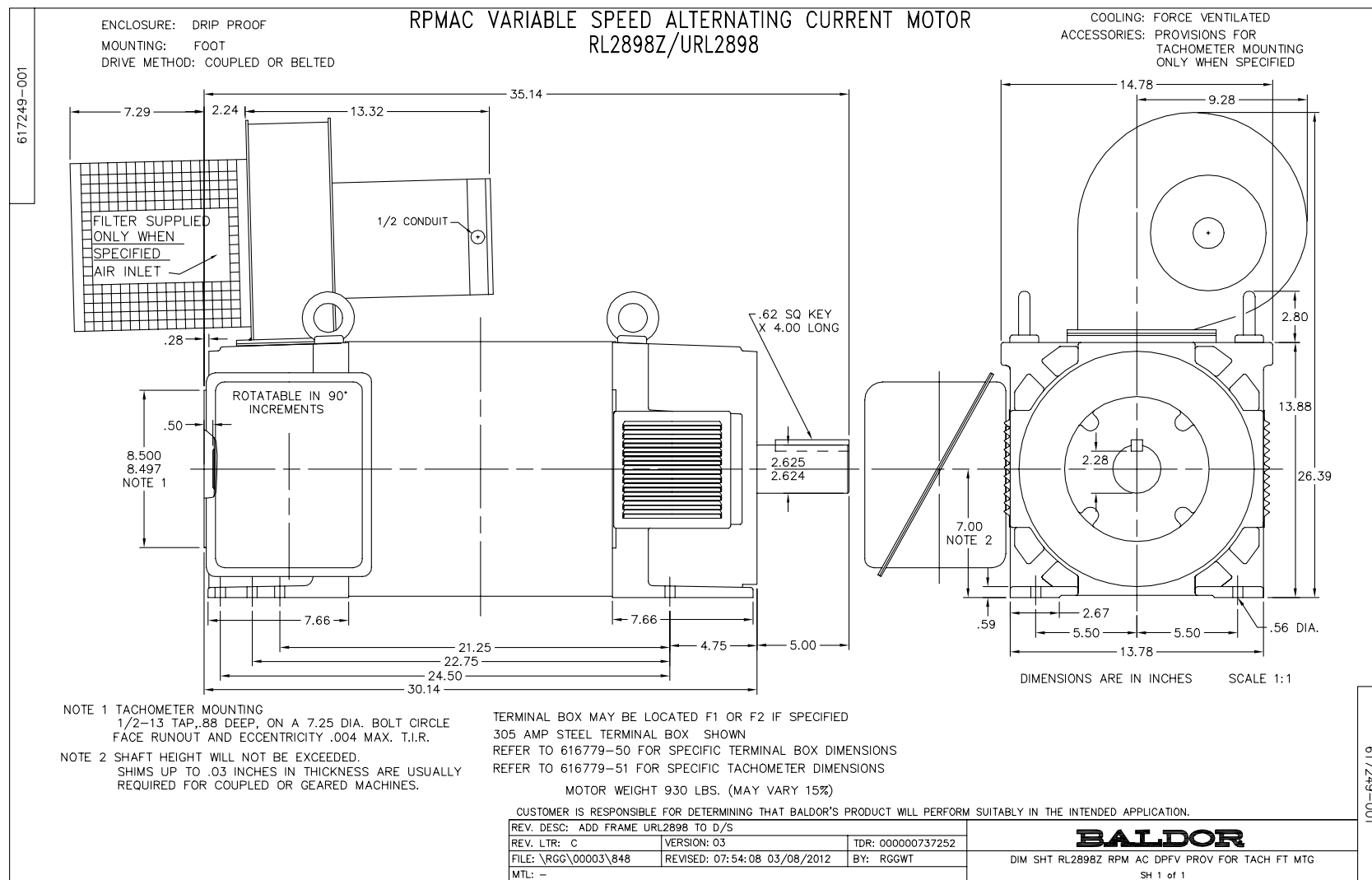
	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
NO LOAD	1200	0	0	460	40	47.0
1/4	1193	31.3	138	460	40	59.2
1/2	1185	62.6	278	460	40	84.3
3/4	1177	93.7	418	460	40	115
FULL LOAD	1167	125	562	460	40	151
O/L	1144	184	844	460	40	233

REMARKS: TYPICAL DATA

BALDOR A MEMBER OF THE ABB GROUP	DR. BY	M. ORDERS
	CR. BY	B. GRANT
	APP. BY	T. EVON
	DATE	11-8-99
A-C MOTOR PERFORMANCE L1591A DATA ISSUE DATE 11-8-99		







616779-050

Technical drawing of a motor showing top and side views with dimensions and labels:

- Top View (Left):** Shows the motor's top profile with dimensions Y (width) and TA (terminal box offset).
- Terminal Box (Top Right):** A rectangular box labeled "ROTATION IN 90°" and "LEAD HOLE A/D BOX".
- Side View (Right):** Shows the motor's side profile with dimensions XAB (total width) and T (terminal box height).
- Terminal Box (Bottom Right):** A rectangular box labeled "OPTIONAL AUXILIARY CONDUIT BOX" with dimensions XX (width) and XY (height).

FRAME	TYPE	TERMINAL STRIP	AMPS	C/BOX	Y	TA	T	AA
FL180	STEEL	N	40	7063200034	5.10	1.83	3.00	1.12
FL180	STEEL	Y/N	75	7063200034	5.12	2.36	2.98	1.15/2.00
FL180	STEEL	N	208	7063200074	7.52	2.00	7.00	2.50/3.00
FL180	CAST IRON	Y/N	60	706320004C	4.75	2.30	4.30	1.0.1AP
FL180 & FDL11	MILL	Y	100	706310006A	7.75	2.38	4.48	P029/P616

FL210 & RL210	STEEL	N	121	07/545/0008	6.34	2.00	4.12	1.75
FL210 & RL210	STEEL	N	121	07/545/0001A	7.59	2.36	5.25	1.94
FL210 & RL210	STEEL	N	305	07/560/0016A	9.00	4.12	8.44	4.59
FL210 & RL210	CAST IRON	N	110	07/546/0002B	7.25	2.50	5.25	1.5 TAP
FL210 & RL210	MILL	Y	100	706/310056A	7.75	2.30	4.40	PG29 /PG16
FL210 & RL210	MILL	Y	160	706/310056B	9.00	3.06	5.40	PG36 /PG16

F1250 & R1250	STEEL	N	61	07/545-4001/A	6.34	2.00	4.12	1.75
F1250 & R1250	STEEL	N	121	07/545-4001/B	7.69	2.36	5.25	1.94
F1250 & R1250	STEEL	N	305	07/546-0016	9.00	4.12	8.44	4.59
F1250 & R1250	CAST IRON	N	110	7063200029	7.25	2.20	5.25	1.5 TAP
F1250 & R1250	CAST IRON	N	210	7063200134	10.30	4.86	9.00	4.0 TAP
FOL16 & ROL16	MILL		100	7063100564	7.75	2.30	5.40	PQ29/G16
F1250 & R1250	MILL		160	7063100568	9.00	3.06	5.40	PG36/PG16
FOL16 & ROL16	MILL	Y	400	7063100638	14.29	7.43	12.15	BLANK

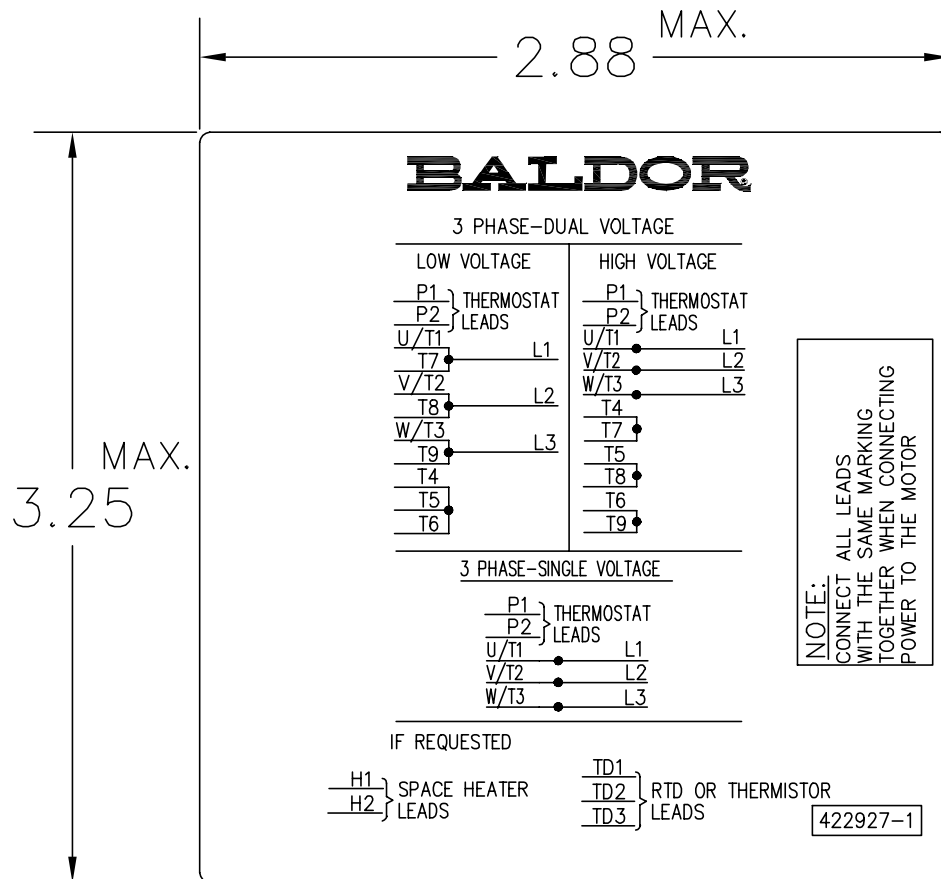
[illegible]

OPTIMAL AUXILIARY CONJUGATE BOX DIMENSIONS (MAXIMUM)									
FRAME SIZE		XX	XY	PART NUMBER	FRAME SIZE		XX	XY	PART NUMBER
F1200T/L130R200Q100132	7.38	4.25	4.25	662007-26-A	F1200T/L130R200Q100132	10.88	8.00	8.00	706310-3-B
F1250T/L160R250Q160160	8.44	4.25	4.25	662007-26-A	F1250T/L160R250Q160160	11.88	8.00	8.00	706310-3-B
F1300T/L180R300Q180180	9.12	4.25	4.25	662007-26-A	F1300T/L180R300Q180180	12.62	8.00	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.

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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

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