



Customer information packet

IDDRPM446006

600HP, 1150, 460V, RL4451, DPFV, F1

Specifications

Enclosure	DPFV
Frame	RL4451Z
Frame Material	Exposed Laminations
Frequency	60.00 Hz
Output @ Frequency	600.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	CCSA US
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	743.000 A @ 460.0 V
Duty Rating	CONT
Feedback Device	NO FEEDBACK
Frame Prefix	RL
Heater Indicator	No Heater
High Voltage Full Load Amps	743.0 a
Insulation Class	H
IP Rating	NONE
Motor Standards	NEMA
Mounting Arrangement	F1
Overall Length	62.15 IN
Product Family	General Industrial
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.00
Shaft Diameter	4.310 IN
Shaft Ground Indicator	Shaft Grounding
Shaft Rotation	Reversible
Speed	1185 rpm
Starting Method	Full Voltage

Part detail

Revision	C
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	L1262A
Layout	617601-001
Eff. date	08-07-2025
CD Diagram	422927-001
Poles	06
Leads	
Proprietary	False
Created date	07-29-2021

Thermal Device - Bearing	None
Thermal Device - Winding	Normally Closed Thermostat

Nameplate

000613006MY						
	DUTY	HP	RPM	AMPS	VOLTS	HZ
	CONT	600	1185	743	460	60
	CONT	600	1780	715	460	90
	CONT	600	2000	727	460	101.3
CAT.NO.	IDDRPM446006		SPEC. NO.		R44-A000-0180	
SER.NO			FR	RL4451Z	INSUL	H
PH.	3	MAX SAFE SPEED		2700	AMB.	40
DESIGN NO.	L1262A		TYPE		ENCL.	DPG-FV
S.F.	1.00		D.E. BRG.		110BC02J30X	
ENCL MOD			O.D.E. BRG.		6222/C3VL0241	
	IP23					

REL. S. O.	-	VOLTS	460	ENCLOSURE	DPFV	WYE CONN EQ CKT OHMS PER PHASE (AT BASE RATING, 25 °C)
FRAME	RL4451	AMPS	743	MAX SAFE RPM	2700	
HP	600	DUTY	CONT	IM (AMPS)	311	R1 .00346 X1 .0399
BASE SPEED	1185	S.F.	1.0	P.F.@NL/FL	.029/.806	R2 .00300 X2 .0569
PHASE/HERTZ	3/60	AMB °C/INSUL	40/H	WK ² (lb.-ft ²)	189	XM .853

RATED FULL LOAD DATA

	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
BASE SPEED	1186	600	2657	460	60	743
MAX SPEED	2000	600	1575	460	101.3	727
MIN SPEED	0	0	2657	7.61	.6798	743

LOAD PERFORMANCE AT BASE SPEED

	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
NO LOAD	1200	0	0	460	60	311
1/4	1197	152	667	460	60	356
1/2	1193	304	1337	460	60	462
3/4	1190	455	2009	460	60	597
FULL LOAD	1186	600	2657	460	60	743
O/L	1178	894	3985	460	60	1082

REMARKS :

BALDOR

A MEMBER OF THE ABB GROUP

DR. BY

CK. BY

APP. BY

DATE

M. MANEY

M. MANEY

T. EVON

5/18/98

A-C MOTOR

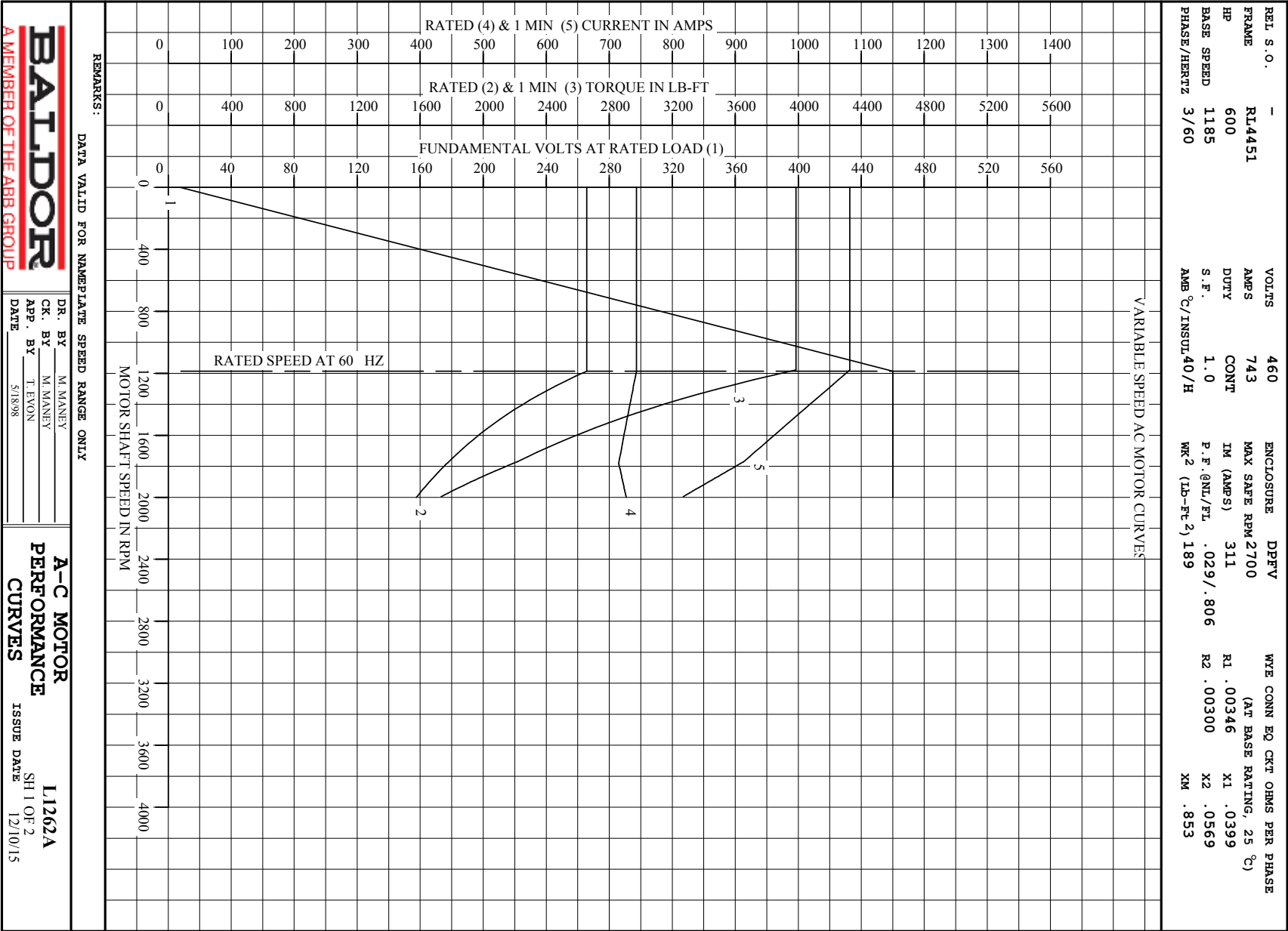
PERFORMANCE

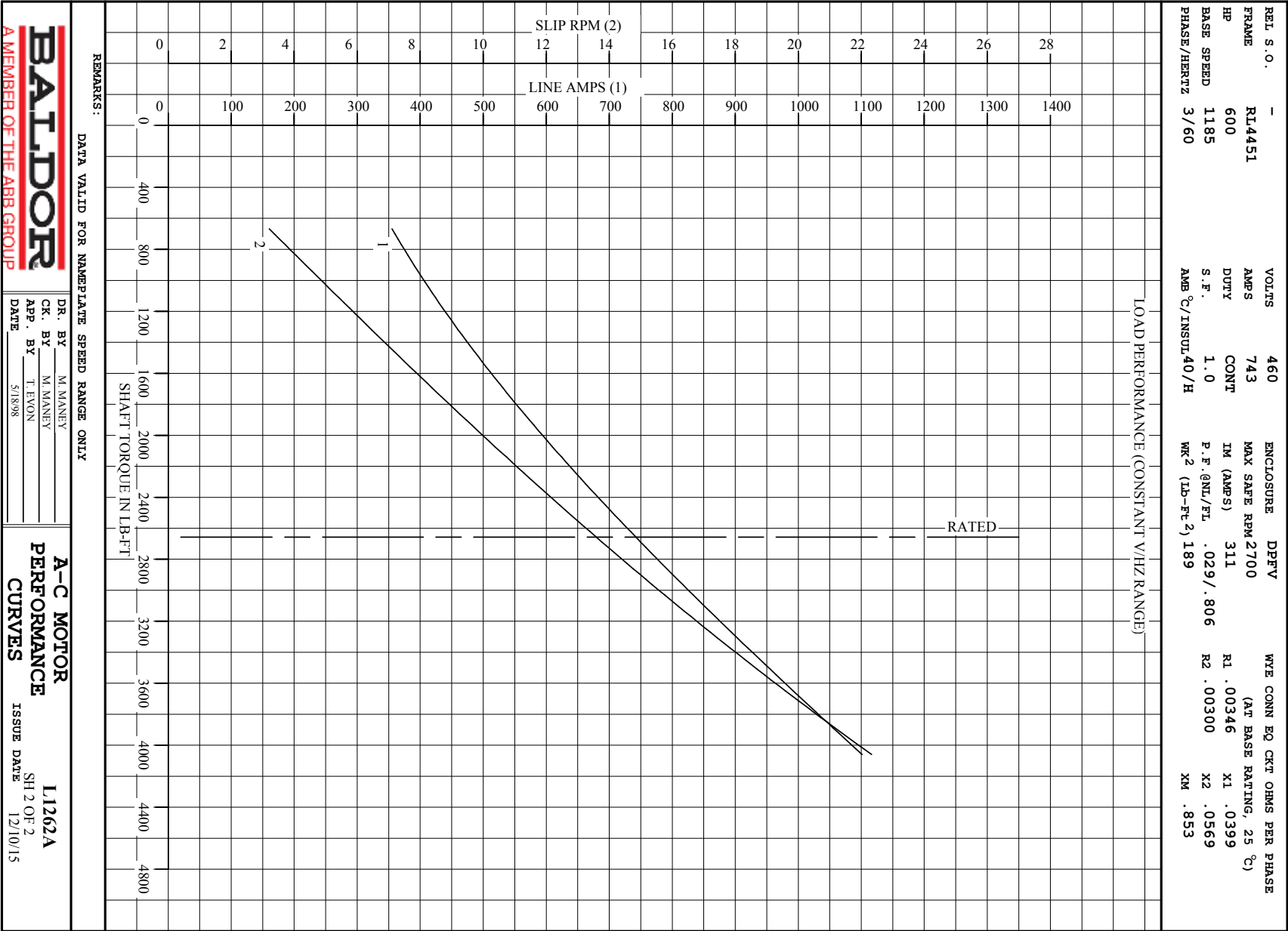
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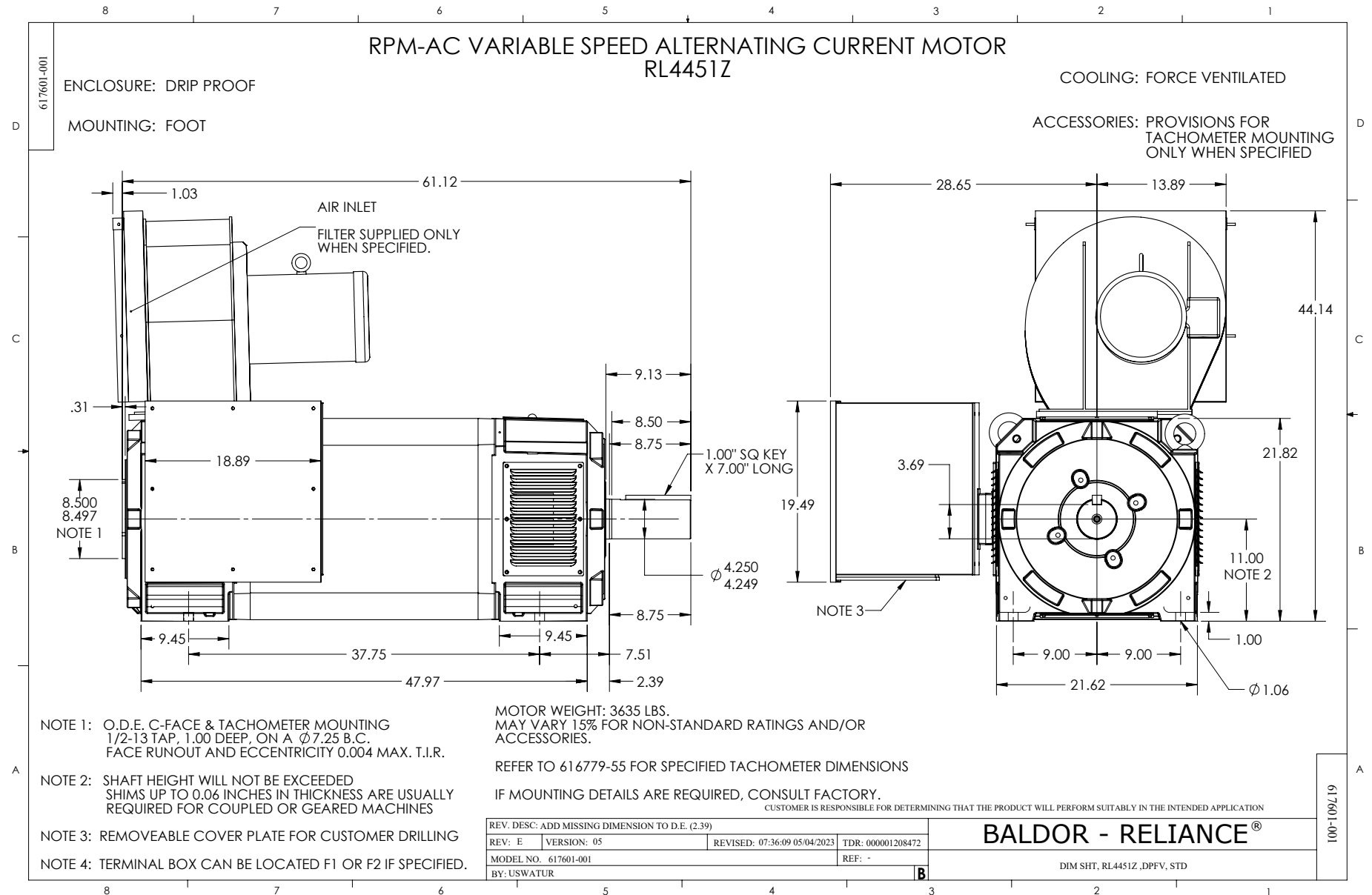
L1262A

ISSUE DATE

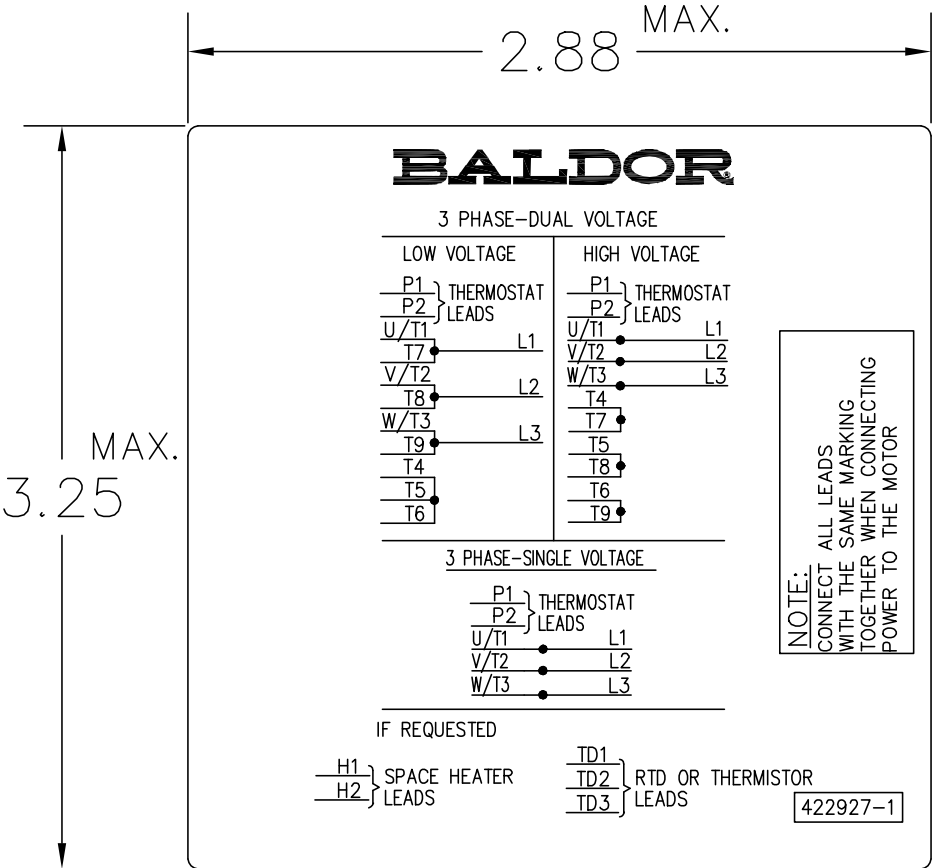
12/10/15







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 ALL LEADS
WITH THE SAME MARKING
TOGETHER WHEN CONNECTING
POWER TO THE MOTOR

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