ABB BALDOR RELIANCE

Customer information packet

IDDRPM4410004

1000HP, 1785RPM, 3PH, 90HZ, L4461, DPGFV, FOOT

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Specifications

Enclosure	DPFV
Frame	L4461
Frame Material	Exposed Laminations
Frequency	90.00 Hz
Output @ Frequency	1000.000 HP @ 90 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 90 HZ
Voltage @ Frequency	460.0 V @ 90 HZ
Agency Approvals	CCSA US
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	1202.000 A @ 460.0 V
Duty Rating	CONT
Enclosure Modification	FORCE VENT
Feedback Device	NO FEEDBACK
Frame Prefix	L
Heater Indicator	No Heater
High Voltage Full Load Amps	1202.0 a
Insulation Class	H
Motor Standards	NEMA
Mounting Arrangement	F1
Overall Length	63.63 IN
Product Family	General Industrial
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.00
Shaft Diameter	4.250 IN
Shaft Ground Indicator	Shaft Grounding
Shaft Rotation	Reversible
Speed	1785 rpm
Thermal Device - Bearing	None

Part Detail

Revision	A
Type	AC
Mech. spec.	
Base	
Status	INA/A
Elec. spec.	L2029A
Layout	615917-001
Eff. date	09-25-2018
CD Diagram	422927-001
Poles	06
Leads	
Proprietary	False
Created date	04-09-2015

Thermal Device - Winding	Normally Closed Thermostat

Nameplate

000613006MY

DUTY	HP	RPM	AMPS	VOLTS	HZ
CONT	1000	1785	1202	460	90
CONT	1000	2550	1178	460	128.6

CAT.NO.	IDDRPM4410004	**SPEC. NO.**	P44L1344				
SER.NO		**FR**	L 4461	**INSUL**	H		
PH.	3	**MAX SAFE SPEED**	2700	**AMB.**	40	**MIN. AMB.**	-25
DESIGN NO.	L2029A	**TYPE**		**ENCL.**	DP		
S.F.	1.0	**D.E. BRG.**	110BC02J30X				
ENCL MOD	FORCE VENT	**O.D.E. BRG.**	6222MCVL0241				

REL S.O.	–	VOLTS	460	ENCLOSURE	DPFV	WYE CONN EQ CKT OHMS PER PHASE (AT BASE RATING, 25 °C)			
FRAME	L4461	AMPS	1202	MAX SAFE RPM	2700				
HP	1000	DUTY	CONT	IM (AMPS)	454	R1	.00138	X1	.0257
BASE SPEED	1785	S.F.	1.0	P.F.@NL/FL	.019/.819	R2	.00130	X2	.0360
PHASE/HERTZ	3/90	AMB °C/INSUL	40/H	WK^2 ($Lb-Ft^2$)	207			XM	.580

RATED FULL LOAD DATA

	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
BASE SPEED	1785	1000	2942	460	90	1208
MAX SPEED	2550	1000	2060	460	128.6	1186
MIN SPEED	0	0	2942	4.95	.7324	1208

LOAD PERFORMANCE AT BASE SPEED

	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
NO LOAD	1800	0	0	460	90	445
1/4	1797	250	732	460	90	533
1/2	1793	501	1467	460	90	721
3/4	1789	750	2201	460	90	950
FULL LOAD	1785	1000	2942	460	90	1208
O/L	1776	1493	4413	460	90	1791

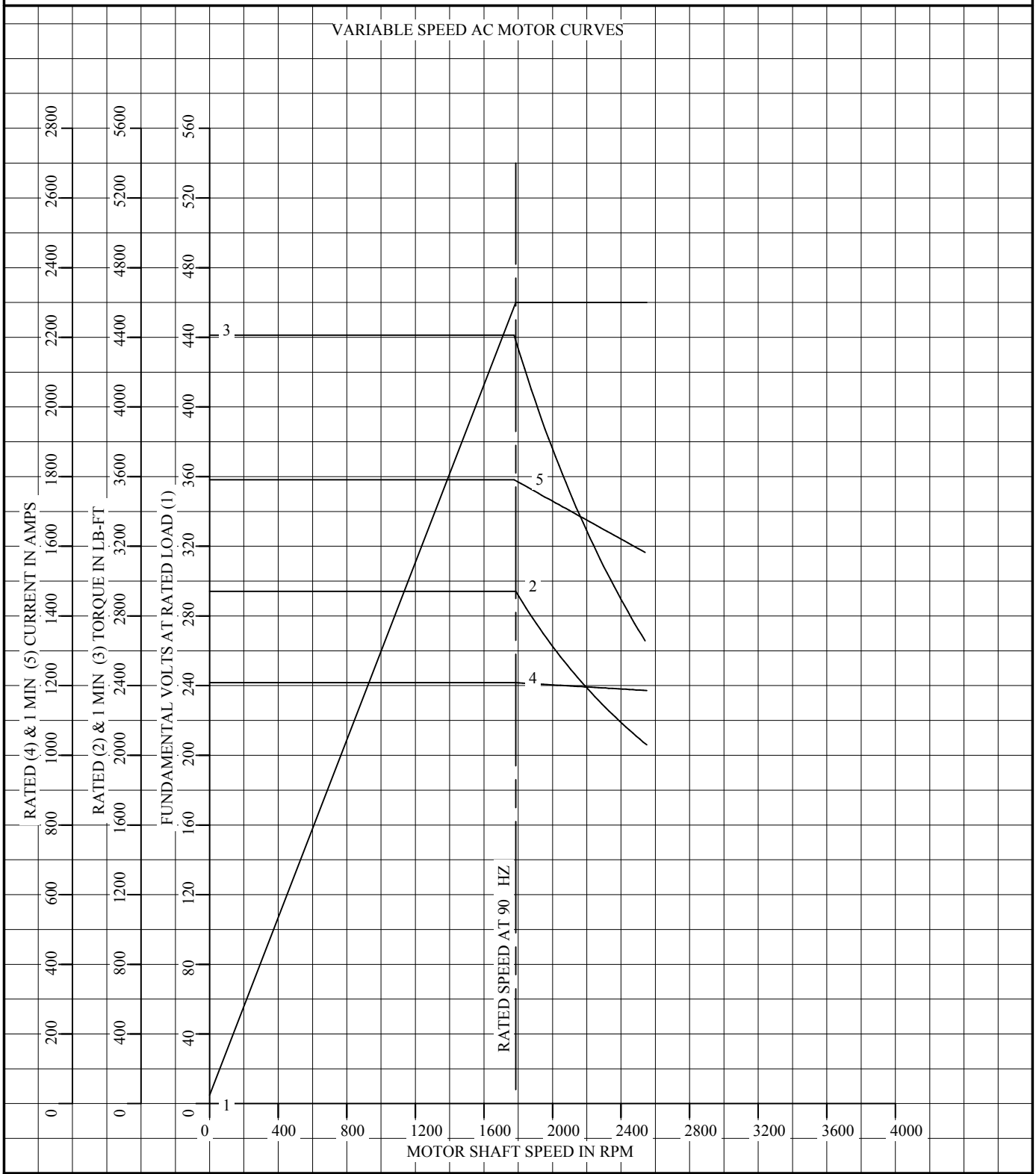
REMARKS:

BALDOR A MEMBER OF THE ABB GROUP

DR. BY M. MANEY
CK. BY M. MANEY
APP. BY T. EVON
DATE 1-23-01

A-C MOTOR PERFORMANCE DATA L2029A
ISSUE DATE 1-23-01

REL S.O.	-	VOLTS	460	ENCLOSURE	DPFV	WYE CONN EQ CKT OHMS PER PHASE (AT BASE RATING, 25 ℃)	
FRAME	L4461	AMPS	1202	MAX SAFE RPM	2700		
HP	1000	DUTY	CONT	IM (AMPS)	454	R1 .00138	X1 .0257
BASE SPEED	1785	S.F.	1.0	P.F.@NL/FL	.019/.819	R2 .00130	X2 .0360
PHASE/HERTZ	3/90	AMB ℃/INSUL	40/H	WK^2 (Lb-Ft^2)	207		XM .580



REMARKS:
DATA VALID FOR NAMEPLATE SPEED RANGE ONLY

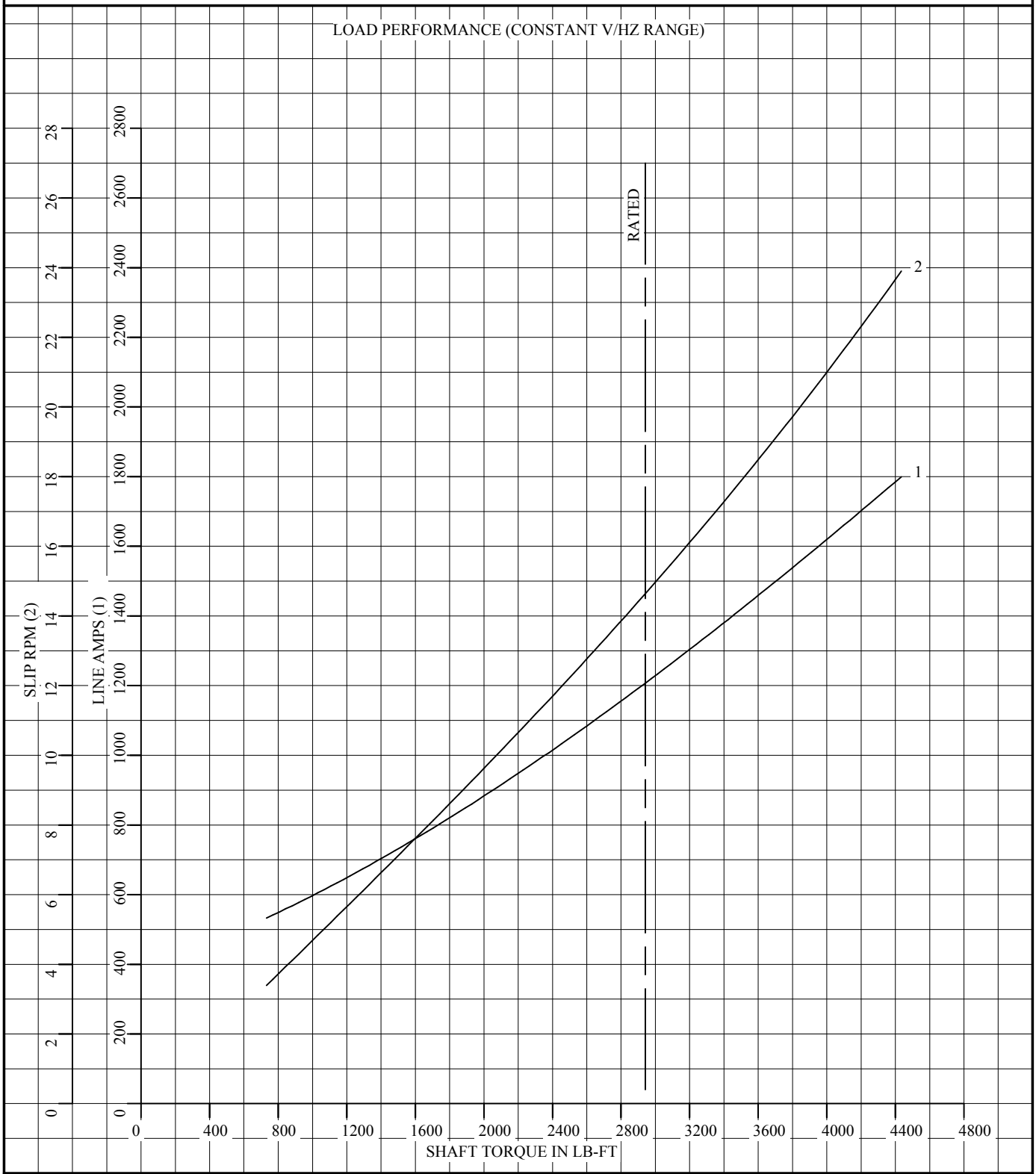
BALDOR
A MEMBER OF THE ABB GROUP

DR. BY	M. MANEY
CK. BY	M. MANEY
APP. BY	T. EVON
DATE	1-23-01

A-C MOTOR PERFORMANCE CURVES

L2029A
SH 1 OF 2
ISSUE DATE 1-23-01

REL S.O.	-	VOLTS	460	ENCLOSURE	DPFV	WYE CONN EQ CKT OHMS PER PHASE (AT BASE RATING, 25 ℃)	
FRAME	L4461	AMPS	1202	MAX SAFE RPM	2700		
HP	1000	DUTY	CONT	IM (AMPS)	454	R1 .00138	X1 .0257
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A-C MOTOR PERFORMANCE CURVES

L2029A
SH 2 OF 2
ISSUE DATE 1-23-01

615917-001

VARIABLE SPEED ALTERNATING CURRENT MOTORS
RPM AC

ENCLOSURE: DRIP-PROOF FULLY-GUARDED

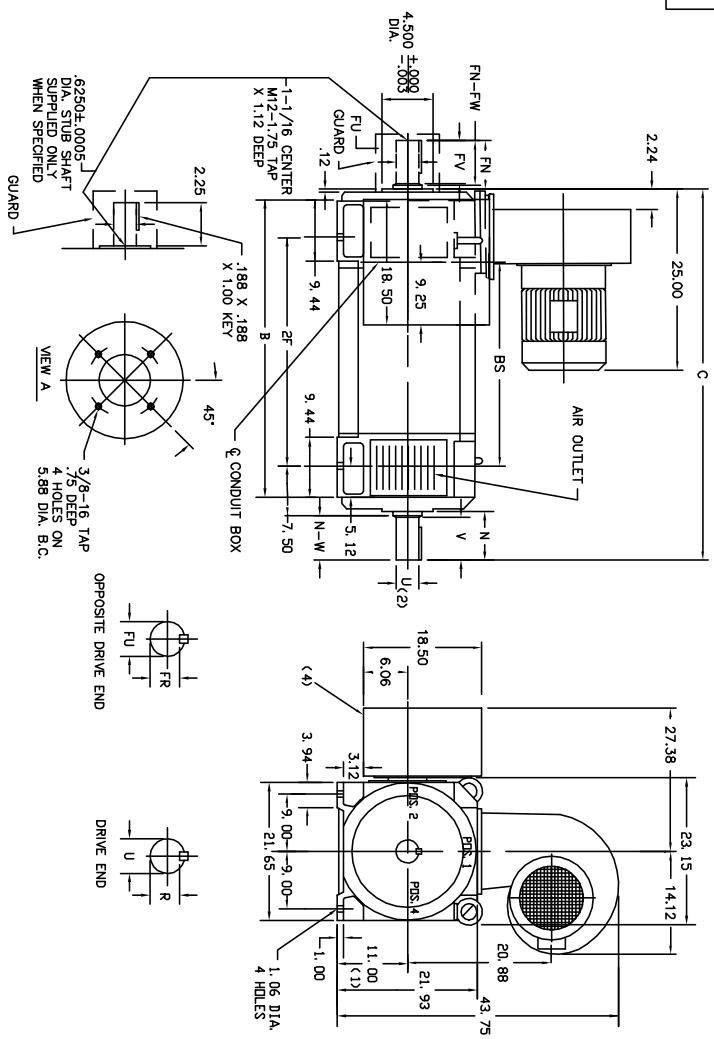
COOLING: FORCE VENTILATED WITH INTEGRAL BLOWER AND MOTOR

MOUNTING:FOOT

ACCESSORIES: TACHOMETER PROVISIONS

FRAMES L4429 THRU. L4473

615917-001



FRAME	DRIVE METHOD	C	B	BS	2F	DRIVE END SHAFT AND KEY						OPPOSITE DRIVE END SHAFT AND KEY						WT.
						N	N-W	U(2)	V	R(3)	SQ.	LGTH.	FN	FN-FW	FU(2)	FV	FR(3)	SQ.	LGTH.	LBS.
L4429	COUPLED	55.63	42.48	27.75	32.25	9.23	8.75	4.250	8.50	3.690	1.00	7.00	9.23	8.75	4.250	8.50	3.690	1.00	7.00	3004
UL4429	BELTED	55.63	42.48	27.75	32.25	9.23	8.75	4.500	8.50	3.944	1.00	7.00	9.23	8.75	4.250	8.50	3.690	1.00	7.00	3004
L4440	COUPLED	58.38	45.23	30.50	35.00	9.23	8.75	4.250	8.50	3.690	1.00	7.00	9.23	8.75	4.250	8.50	3.690	1.00	7.00	3307
UL4440	BELTED	58.38	45.23	30.50	35.00	9.23	8.75	4.500	8.50	3.944	1.00	7.00	9.23	8.75	4.250	8.50	3.690	1.00	7.00	3307
L4451	COUPLED	61.13	47.98	33.25	37.75	9.23	8.75	4.250	8.50	3.690	1.00	7.00	9.23	8.75	4.250	8.50	3.690	1.00	7.00	3612
UL4451	BELTED	61.13	47.98	33.25	37.75	9.23	8.75	4.500	8.50	3.944	1.00	7.00	9.23	8.75	4.250	8.50	3.690	1.00	7.00	3612
L4461	COUPLED	63.63	50.48	35.75	40.25	9.23	8.75	4.250	8.50	3.690	1.00	7.00	9.23	8.75	4.250	8.50	3.690	1.00	7.00	3889
UL4461	BELTED	63.63	50.48	35.75	40.25	9.23	8.75	4.500	8.50	3.944	1.00	7.00	9.23	8.75	4.250	8.50	3.690	1.00	7.00	3889
L4473	COUPLED	66.63	53.48	38.75	43.25	9.23	8.75	4.250	8.50	3.690	1.00	7.00	9.23	8.75	4.250	8.50	3.690	1.00	7.00	4220
UL4473	BELTED	66.63	53.48	38.75	43.25	9.23	8.75	4.500	8.50	3.944	1.00	7.00	9.23	8.75	4.250	8.50	3.690	1.00	7.00	4220

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.
BLOWER ASSEMBLY CAN BE LOCATED AT POSITIONS 1, 2, OR 4, EXCEPT
BLOWER ASSEMBLY AND TERMINAL BOX CAN NOT BE LOCATED AT THE SAME POSITION.

MOTOR WEIGHT MAY VARY 15% FOR NON-STANDARD RATINGS AND/OR ACCESSORIES.
IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.

(1) 'D' DIMENSION WILL NOT BE EXCEEDED. SHIMS UP TO .06 INCHES IN THICKNESS ARE USUALLY REQUIRED FOR COUPLED OR GEARED MACHINES.
(2) 'U' VARIES---+.000 -.001
(3) 'R' VARIES---+.000 -.015
(4) REMOVEABLE COVER PLATE FOR CUSTOMER DRILLING.

TERMINAL BOX CAN BE POSITIONED FOR EITHER TOP OR BOTTOM CONDUIT ENTRY.

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

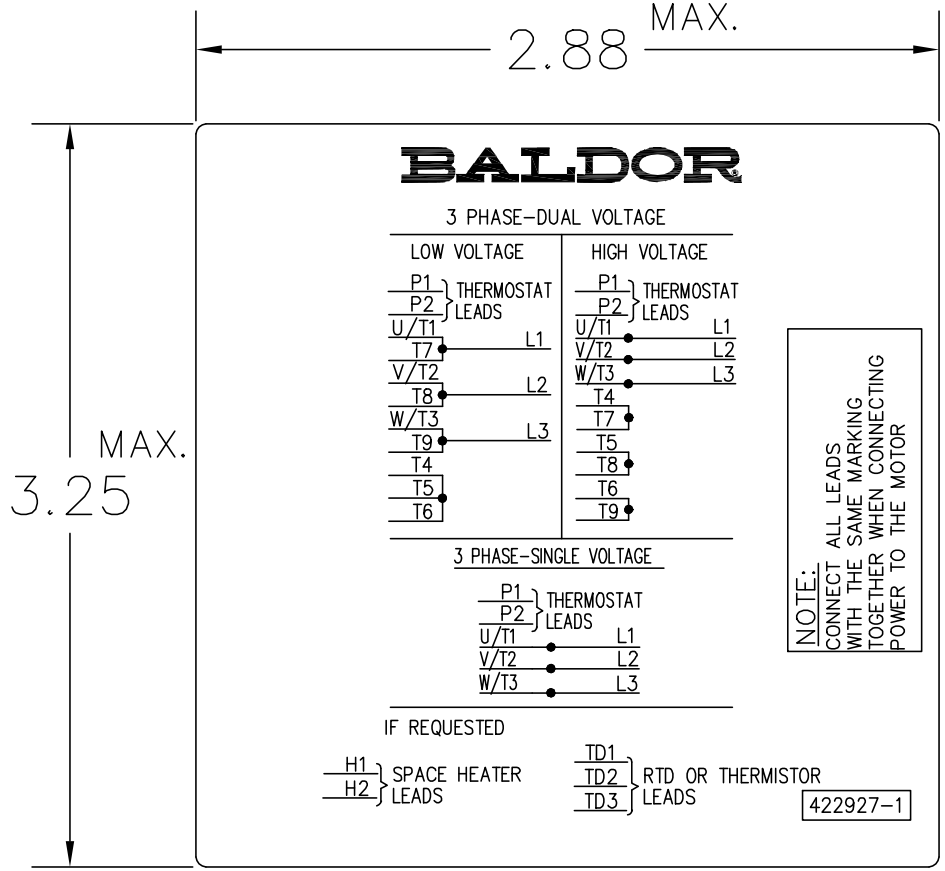
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MTL: –		BY: MGHBM10

Baldor • Dodge • Reliance

DIM SHEET L440 DPFV W/ TACH PROVISIONS

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 POSIBLE.

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			BALDOR
REV. LTR: B	VERSION: 02	TDR: 000000788708	
FILE: \RGG\00000\203		REVISED: 08:09:29 03/04/2013	EXTERNAL CONNECTION LABEL
MTL: –		BY: RGGWT	SH 1 of 1