

BALDOR® • RELIANCE

Product Information Packet

IDDRPM323004

300HP,1770RPM,3PH,N/AHZ,L3213,DPG-FV,FOO

Part Detail							
Revision:	-	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:		Elec. Spec:	L1698A	CD Diagram:	422927-001
Enclosure:	DPFV	Mfg Plant:		Mech. Spec:		Layout:	616764-001
Frame:	L3213	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 000613006NN

DUTY		HP	RPM	AMPS	VOLTS	HZ		
CONT		300	1770	350	460	60		
CONT		300	3000	337	460	101.6		
CAT.NO.			SPEC. NO.	P32L0229				
SER.NO.			FR	L 3213	INSUL	H		
PH.	3	MAX SAFE SPEED	4000	AMB.	40	MIN. AMB. -25		
DESIGN NO.	L1698A		TYPE	ENCL. DP				
S.F.	1.0		D.E. BRG.	85BC02J30X				
ENCL MOD	FORCE VENT		O.D.E. BRG.	65BC02J30X				

REL S.O.	-	VOLTS	460	ENCLOSURE	DPFV	WYE	CONN	EQ	CKT	OHMS	PER	PHASE
FRAME	RL3213	AMPS	350	MAX SAFE RPM	4000	(AT	BASE	RATING,	25	°C)		
HP	300	DUTY	CONT	IM (AMPS)	130	R1	.0100	X1	.0749			
BASE SPEED	1770	S.F.	1.0	P.F.@NL/FL	.04/.86	R2	.00856	X2	.0783			
PHASE/HERTZ	3/60	AMB °C/INSUL	40/H	WK ² (lb-ft ²)	24			XM	2.08			

RATED FULL LOAD DATA

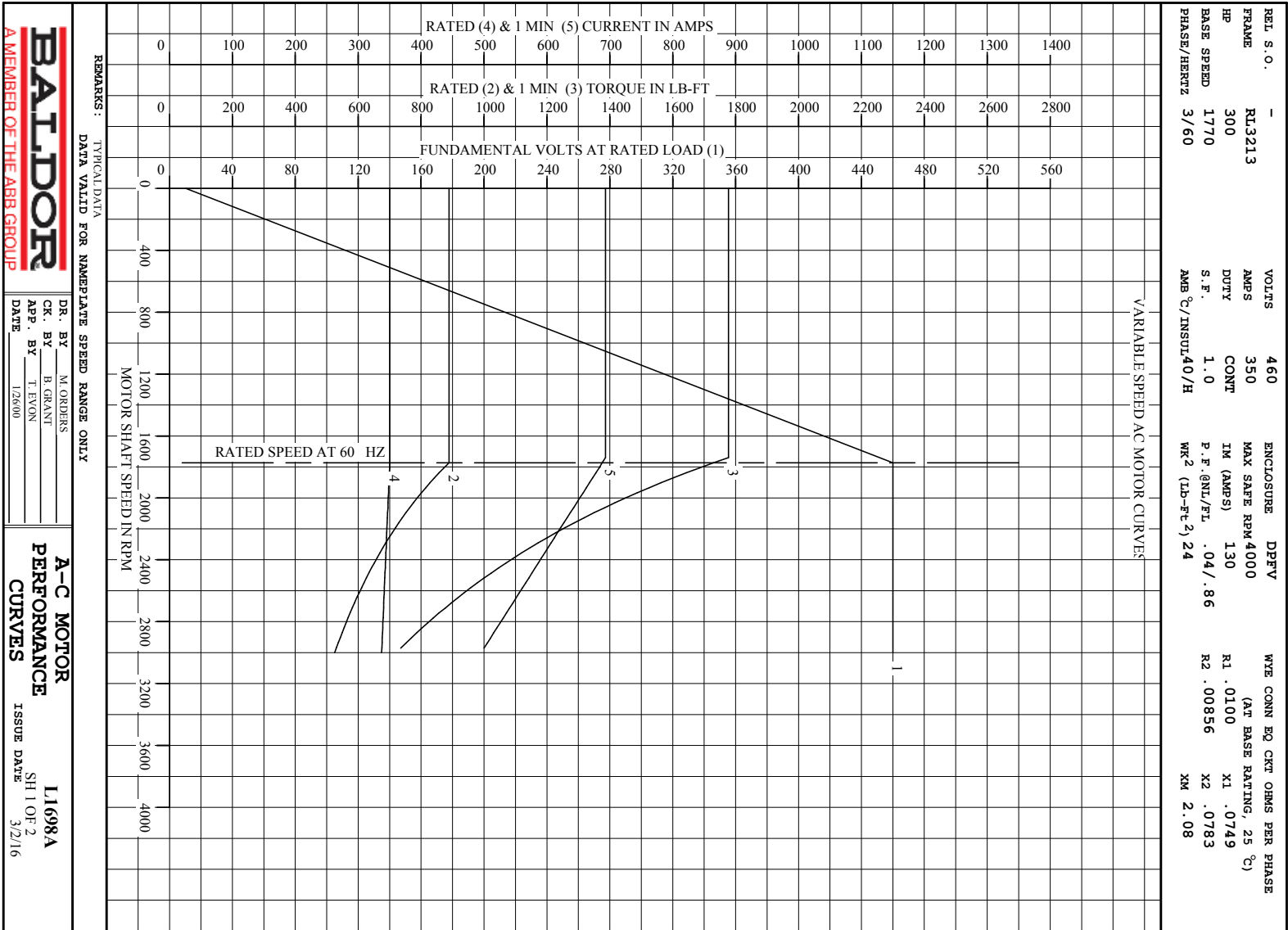
	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
BASE SPEED	1773	300	889	460	60	350
MAX SPEED	3000	300	525	460	101.6	337
MIN SPEED	0	0	889	10.4	.8898	350

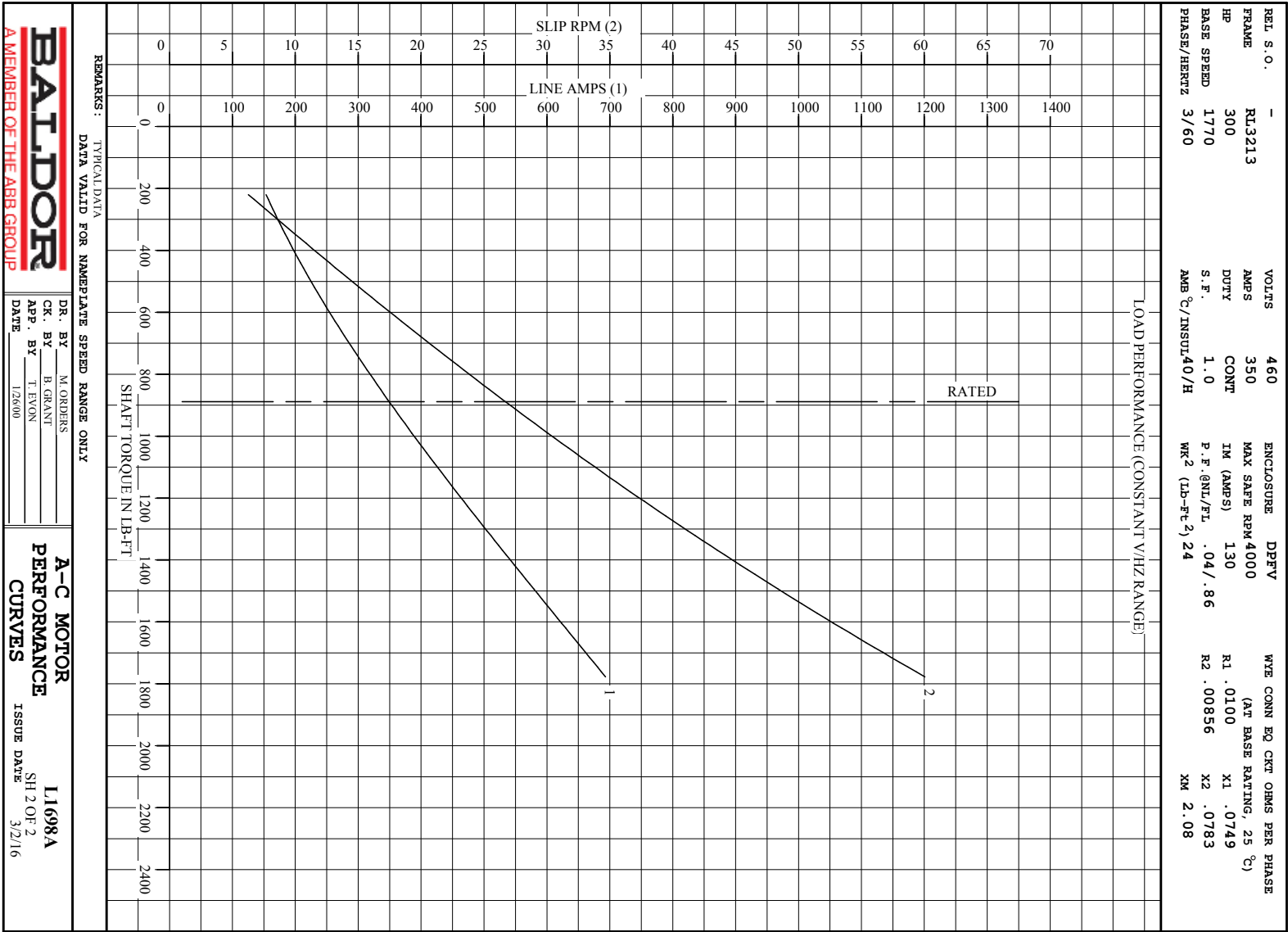
LOAD PERFORMANCE AT BASE SPEED

	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
NO LOAD	1800	0	0	460	60	127
1/4	1794	75.2	220	460	60	154
1/2	1787	150	441	460	60	207
3/4	1780	225	663	460	60	274
FULL LOAD	1773	300	889	460	60	350
O/L	1740	589	1777	460	60	693

REMARKS: TYPICAL DATA

BALDOR A MEMBER OF THE ABB GROUP		DR. BY _____ M. ORDERS	A-C MOTOR
		CR. BY _____ B. GRANT	PERFORMANCE
		APP. BY _____ T. EVON	DATA
		DATE 1/26/00	ISSUE DATE 3/2/16





616764-001

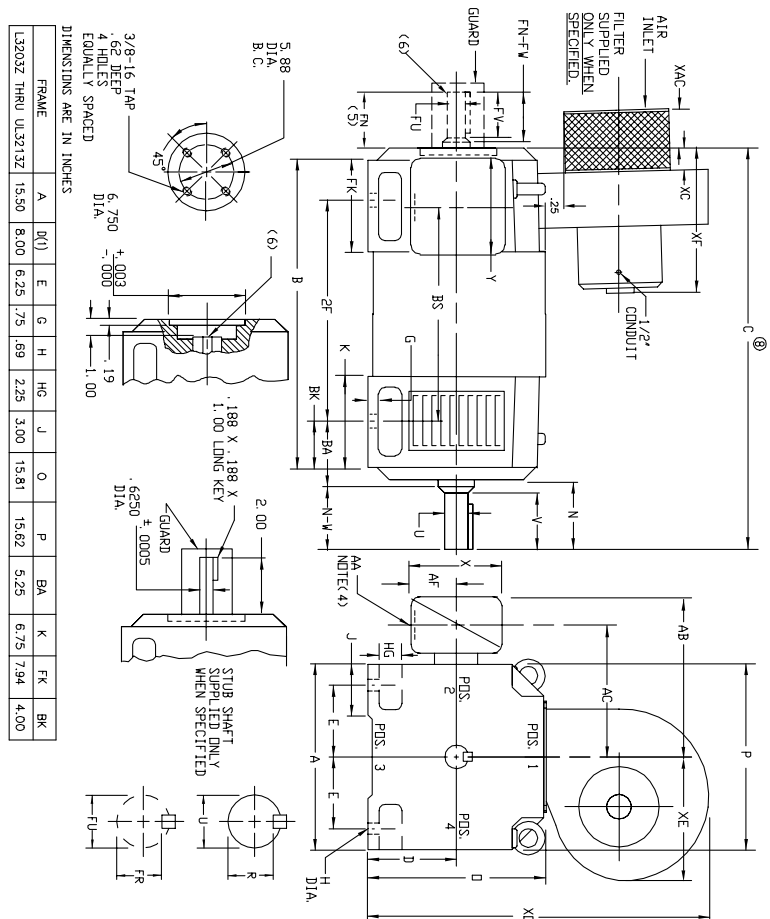
VARIABLE SPEED ALTERNATING CURRENT MOTORS

ENCLOSURE: DRIP-PROOF FULLY-GUARDED RPM AC
MOUNTING: FOOT
DRIVE METHOD: COUPLED OR BELTED

COOLING: FORCE VENTILATED WITH INTEGRAL BLOWER AND MOTOR

ACCESSORIES: PROVISIONS FOR TACHOMETER MOUNTING ONLY WHEN SPECIFIED

FRAMES L3203Z THRU UL3213Z



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

REV. DESC: ASSIGNED TO BUSLOAD

REV. LTR: -

VERSION: 00

TDR: 000000486942

FILE: \RGG\00003\685

REVISED: 11: 25: 10 01/09/2009

BY: CONBAT

MTL: -

Baldor • Dodge • Reliance

DIM SHT L3203Z THRU UL3213Z RPM AC DPFV INT BLWR & MTR

SH 1 of 1

FRAME	C ⑧	B	BS	2F	N	N-W	U/2	V	R(3)	SO	LGTH	LBS
UL3203Z	39.88	31.44	22.81	26.75	6.00	5.75	2.875	5.50	2.450	1.750	4.25	1185
UL3213Z	42.38	33.94	25.31	28.25	6.00	5.75	2.875	5.50	2.450	1.750	4.25	1185

FRAME	YAC	XC	XE	XF	XO
L3203Z THRU UL3213Z	6.75	3.25	8.50	19.25	28.00

- (1) *P* DIMENSION WILL NOT BE EXCEEDED. SHIMS UP TO .03 INCHES IN THICKNESS ARE USUALLY REQUIRED FOR COUPLED OR GEARED MACHINES.
- (2) *P* AND *FV* VARY---+ .000 - .001
- (3) *P* AND *FV* VARY---+ .000 - .001
- (4) *P* AND *FV* VARY---+ .000 - .001
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- (99) *P* AND *FV* VARY---+ .000 - .001
- (100) *P* AND *FV* VARY---+ .000 - .001

TERMINAL BOX CAN BE ROTATED FOR LEAD OUTLET AT TOP, SIDE 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. BLINDER ASSEMBLY CAN BE LOCATED AT POSITIONS 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100. MOTOR WEIGHT MAY VARY 15% FROM NON-STANDARD RATINGS AND/OR ACCESSORIES. IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.

FRAME PREFIX UL = BALL BEARINGS

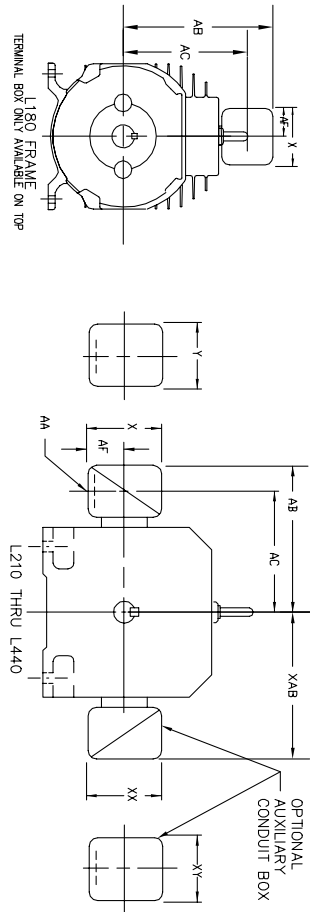
FRAME- _____ TYPE- _____ TERMINAL BOX- _____ BLOWER MOTOR _____
DRIVER- _____ ITEM _____ HP- _____ RPM- _____ VOLTS- _____
SALES ORDER- _____ APPROVED BY- _____ PH- _____ HZ- _____ DATE- _____

100-4961919

616779-001

RPM AC INDUSTRIAL ALTERNATING CURRENT MOTORS

STEEL, CAST IRON, MILL AND TERMINAL BOARD CONDUIT BOX DIMENSIONS
NEMA FRAMES L180 thru L440 and IEC FRAMES DL112 thru DL280



DIMENSIONS ARE IN INCHES (mm)

STEEL TERMINAL BOX DIMENSIONS (MAXIMUM)										CAST IRON TERMINAL BOX DIMENSIONS (MAXIMUM)									
FRAME SIZE	MAX AMPS	AA(1)	AB	AC	AF	X	Y	PART NUMBER		FRAME SIZE	MAX AMPS	AA(2)	AB	AC	AF	X	Y	PART NUMBER	
L180	40	1.38	8.62	6.94	2.25	4.50	5.00	706320-3-A		L180	60	1	9.38	7.50	2.50	5.00	5.75	706320-4-C	
L180	75	2	9.38	7.50	2.81	5.62	6.12	706320-5-A		L210	140	3	14.25	10.50	3.62	8.00	9.25	706320-12-B	
L210	160	2	12.75	9.19	4.25	8.44	7.25	706320-9-A & D		L210	210	4	15.62	11.38	4.12	9.50	10.50	706320-13-A	
L210	305	4	14.62	10.50	5.38	10.56	9.00	706320-16-A & D		L210	510	5	18.50	13.25	7.00	12.75	15.00	706320-14-D	
L230	160	2	13.75	10.23	4.25	8.44	7.25	706320-5-A & D		L230	140	3	15.38	11.50	3.62	8.00	9.25	706320-12-B	
L230	305	4	15.75	11.56	5.38	10.56	9.00	706320-16-A & D		L250	210	4	16.62	12.44	4.12	9.50	10.50	706320-13-A	
L250	500	5	19.50	14.31	6.50	12.10	14.62	706580-1-C		L250	510	5	19.62	14.31	7.00	12.75	15.00	706320-14-D	
L280	160	2	14.00	10.44	4.25	8.44	7.25	706320-9-A & D		L280	140	3	15.50	11.75	3.62	8.00	9.25	706320-12-B	
L280	305	4	15.88	11.75	5.38	10.56	9.00	706320-16-A & D		L280	210	4	16.88	12.62	4.12	9.50	10.50	706320-13-A	
L280	500	5	19.62	14.50	6.50	12.10	14.62	706580-1-C		L280	510	5	19.75	14.50	7.00	12.75	15.00	706320-14-D	
L320	160	2	15.38	11.81	4.25	8.44	7.25	706320-9-A & D		L320	140	3	15.75	12.00	3.62	8.00	9.25	706320-12-B	
L320	305	4	17.25	13.12	5.38	10.56	9.00	706320-16-A & D		L320	210	4	17.12	12.88	4.12	9.50	10.50	706320-13-A	
L360	500	5	21.00	15.88	6.50	12.10	14.62	706580-1-C		L360	510	5	21.12	15.88	7.00	12.75	15.00	706320-14-D	
L360	160	2	16.38	12.81	4.25	8.44	7.25	706320-9-A & D		L360	140	3	16.75	13.00	3.62	8.00	9.25	706320-12-B	
L360	305	4	18.25	14.12	5.38	10.56	9.00	706320-16-A & D		L360	210	4	18.12	13.88	4.12	9.50	10.50	706320-13-A	
L360	500	5	22.00	16.88	6.50	12.10	14.62	706580-1-C		L360	510	5	22.12	16.88	7.00	12.75	15.00	706320-14-D	

MILL CONDUIT BOX DIMENSIONS (MAXIMUM)

FRAME SIZE	MAX AMPS	AA	AB	AC	AF	X	Y	PART NUMBER
L210	160	(3)	10.78	8.41	3.50	8.00	8.00	706310-3-X or Y
L230	160	(3)	11.84	9.47	3.50	8.00	8.00	706310-3-X or Y
L280	160	(3)	12.75	10.75	3.50	8.00	8.00	706310-3-X or Y
L320	590	(3)	14.75	11.34	4.50	16.00	16.00	706310-3-R
L360	590	(3)	15.47	12.06	4.50	16.00	16.00	706310-3-R
L360	590	(3)	16.47	13.06	4.50	16.00	16.00	706310-3-R
L400	590	(3)	18.00	15.00	4.50	16.00	16.00	706310-3-R
L440	1260	(3)	27.38	19.88	6.06	18.50	18.50	706310-63-E

IEC CONDUIT BOX DIMENSIONS WITH TERMINAL BOARDS (MAXIMUM)

FRAME NEMA/IEC	AMPS	AA	AB (mm)	AC (mm)	AF (mm)	X (mm)	Y (mm)	PART NUMBER	PART NUMBER
L180/L112	85	(4)	9.38(239)	7.50(191)	2.81(72)	5.62(143)	6.12(156)	706320-5-A or 4-C	706320-5-A or 4-C
L210/L132	100	--	10.77(274)	9.04(230)	3.74(95)	7.48(190)	7.48(190)	706310-56-A	706310-225-R
L210/L132	160	--	11.63(296)	9.62(245)	4.41(112)	8.82(224)	8.82(224)	706310-56-B	706310-226-R
L250/L160	100	--	12.09(307)	10.94(278)	3.74(95)	7.48(190)	7.48(190)	706310-56-A	706310-225-R
L250/L160	160	--	12.95(329)	10.94(278)	4.41(112)	8.82(224)	8.82(224)	706310-56-B	706310-226-R
L280/L180	400	--	13.58(345)	11.57(294)	4.41(112)	8.82(224)	8.82(224)	706310-56-B	706310-226-R
L320/L200	800	--	20.06(510)	17.53(446)	6.20(158)	14.39(366)	14.39(366)	706310-63-B	706310-63-B
L360/L225	800	--	20.78(528)	18.25(464)	6.20(158)	14.39(366)	14.39(366)	706310-63-B	706310-63-B
L400/L250	1260	--	25.94(659)	18.44(468)	6.06(154)	18.50(470)	18.50(470)	706310-63-E	706310-63-E
L440/L280	1260	--	27.38(699)	19.88(505)	6.06(154)	18.50(470)	18.50(470)	706310-63-E	706310-63-E
L440/L280	1300	--	30.38(772)	21.38(543)	12.44(316)	24.00(610)	24.00(610)	706310-360-A	706310-360-A

FRAME SIZE	YAB	XY	PART NUMBER	FRAME SIZE	YAB	XY	PART NUMBER
L210/L132	7.38	4.25	602007-56-A	L210/L132	10.88	8.00	706310-3-B
L250/L160	8.44	4.25	602007-56-A	L250/L160	11.88	8.00	706310-3-B
L280/L180	9.12	4.25	602007-56-A	L280/L180	12.62	8.00	706310-3-B
L320/L200	10.00	4.25	602007-56-A	L320/L200	13.50	8.00	706310-3-B
L360/L225	11.00	4.25	602007-56-A	L360/L225	14.50	8.00	706310-3-B
L400/L250	12.00	4.25	602007-56-A	L400/L250	15.50	8.00	706310-3-B
L440/L280	13.12	4.25	602007-56-A	L440/L280	16.62	8.00	706310-3-B

(1) *AF CONDUIT.
(2) *AF PIPE TAP.
(3) *CUSTOMER TO PROVIDE
(4) 2" DN -5A or 1" TAP DN -4C
CONDUIT BOX CAN BE ROTATED
360°. CONDUIT BOX MAY BE
LOCATED FL, F2 OR F3 AS
SPECIFIED

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

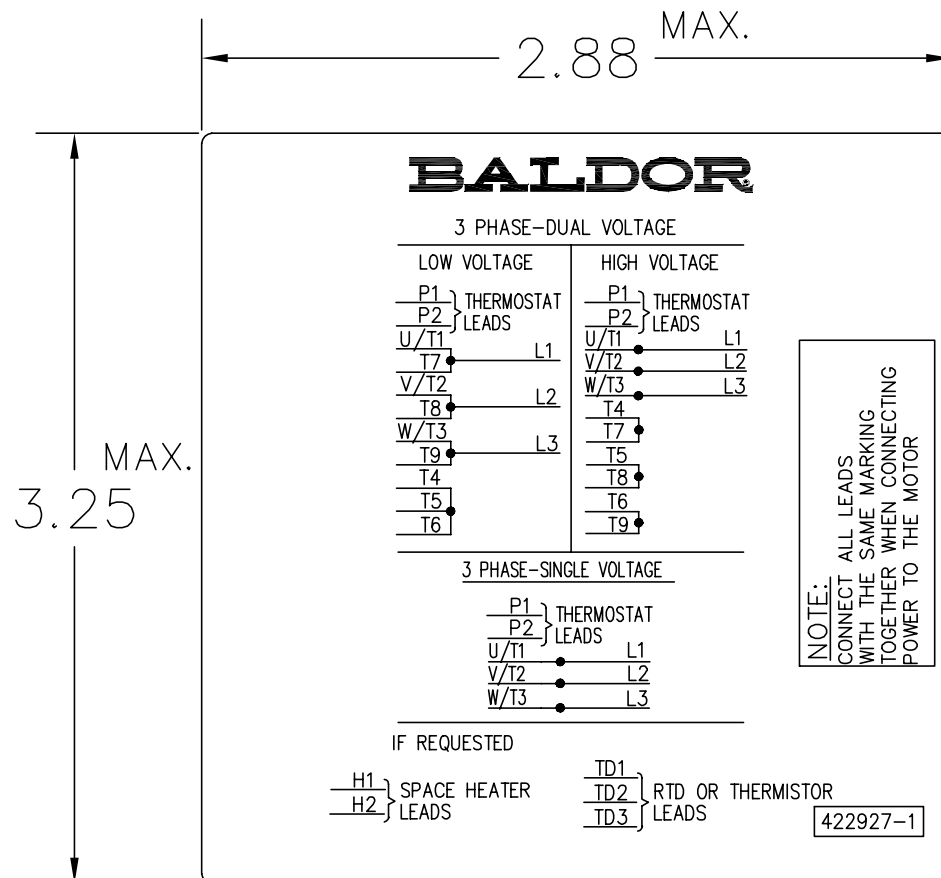
REV. DESC: ADD 1260 AMP L400, ADD 1300 AMP L440	TDR: 000000B04459
REV. LTR: A	VERSION: 01
FILE: \RGG\00003\688	REVISED: 10: 23: 58 06/18/2013
MTL: -	BY: RGGWT

BALDOR

DIM SHT NEMA L180 THRU L440 & IEC DL112 THRU DL280

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.

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