

BALDOR® • RELIANCE 

Product Information Packet

IDBRPM402004

200HP, 1785RPM, 3PH, N/AHZ, L4022, TEBC, FOOT,

Part Detail							
Revision:	A	Status:	INA/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	L0116A	CD Diagram:	422927-001	Mfg Plant:	
Mech. Spec:		Layout:	609994-001	Poles:	04	Created Date:	04-10-2015
Base:		Eff. Date:	08-03-2018	Leads:			

Specs			
Catalog Number:	IDBRPM402004		
Enclosure:	TEBC		
Frame:	L4022		
Frame Material:	Exposed Laminations		
Output @ Frequency:	200.000 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:	Polyrex EM (-20F +300F)		
Current @ Voltage:	234.000 A @ 460.0 V		
Duty Rating:	CONT		
Feedback Device:	NO FEEDBACK		
Frame Prefix:	L		
Heater Indicator:	No Heater		
Insulation Class:	H		

Mounting Arrangement:	F3		
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		

Parts List		
Part Number	Description	Quantity
WS286628	WS P40L0201	1.000 EA
RA282836	RA P40L0201	1.000 EA
000613006NN	RPM AC WITH CERTIFIED LOGOS	1.000 EA
000692000FP	NP, WARNING LIFT INSTRUCTIONS	1.000 EA
418057747A	METAL FASTENER	8.000 EA
000692000NH	LABEL DIRECTION AIR FL	1.000 EA
000692000VD	LABEL WARNING	1.000 EA
422927001	C/D LABEL	1.000 EA
036000012HB	HHCS M6X12MM LONG PLATED	3.000 EA
036610008AB	METRIC LCKW M6 PLTD-G508	3.000 EA
604979002C	THERMBR - 440	1.000 EA
004824015A	GREASE POLYREX EM	0.900 LB
034693001AB	PPLG - G508- use 034692001AB	1.000 EA
034693001AB	PPLG - G508- use 034692001AB	1.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
035000001BB	GREASE FTG,GRS.IN	1.000 EA
036000016JB	HHCS M8-1.25X16MMPLTD-250	3.000 EA
036000020JB	HHCS M8-1.25X20L PLTD-250	3.000 EA
036100070KA	METRIC HSHCS	3.000 EA
036100080KA	M10-1.50X 80MM HXSOCHDCS	3.000 EA
036140001E	EYEBOLT	2.000 EA
036500013AB	HX NUT,ODE BRKT	4.000 EA
036500013AB	HX NUT,ODE BRKT	4.000 EA
036610009AB	MHSLW M8 SPL.PLTD-G508- BS	3.000 EA

Parts List (continued)		
Part Number	Description	Quantity
400638001AD	WAVEN - 400 (Customer number 43699)	1.000 EA
418150003A	GREASE FITTING CAP	2.000 EA
609830005AX	TBOLT 27.75 X .625	4.000 EA
702622008A	GRILL, PAINTED 440	1.000 EA
702623001E	THERMAL BARRIER 440 SUB PAINT	1.000 EA
702663002R	FAN 440 702663002A	1.000 EA
804812002A	BRKT,ODE,L400	1.000 EA
804813002A	BRKT,L400	1.000 EA
000613006NT	NAME PLATE IEC	1.000 EA
032018006CK	HHCS 3/8-16X3/4L PLATED	4.000 EA
034017014AB	LCKW 3/8 STD. PLATED	4.000 EA
036000012JB	M8-1.25 X 12MM HXHDC	3.000 EA
036000016JB	HHCS M8-1.25X16MMPLTD-250	4.000 EA
036000016KB	HHCSM10-1.5X16MM PLTD-280	4.000 EA
036000016KF	HHCS M10 16MM BRASS	2.000 EA
036000045JB	M8-1.25 X 45MM HXHCS	4.000 EA
036620009AB	M8 EXTERNAL LK WASHER	3.000 EA
410978010D	INLET SCREEN	1.000 EA
410978014A	INLET SCREEN	1.000 EA
415000103F	TLUG	1.000 EA
417733004E	GASKT	1.000 EA
417733004D	GASKET CONDUIT BOX	2.000 EA
418014004A	ADAPT 418014-4WCA	1.000 EA
418014004A	ADAPT 418014-4WCA	1.000 EA

Product Information Packet: IDBRPM402004 - 200HP,1785RPM,3PH,N/AHZ,L4022,TEBC,FOOT,

418018074A	GROUND LABEL G100 METRIC 160 D.C.	3.000 EA
610490001AF	1.5HP,3450//2850RPM,3PH,60//50HZ,56C,352	1.000 EA
611917002J	GASKET, NEOPRENE	1.000 EA
611965001A	WHEEL, BLOWER	1.000 EA
706305020A	GUARD, SHAFT	1.000 EA
706310003R	CBOX MILL ENG/METRIC	1.000 EA
036000050JB	M8-1,25 X 50 MHHCS	4.000 EA
706313052A	BLOWER SCROLL	1.000 EA
804816001A	COVER L400 AC FAN CVR	1.000 EA
000640000P	TAG WINDING THERMOST	1.000 EA
004824007K	SPECIAL PAINT	0.300 EA
034180024HA	KEY 5/8X5/8X3 L	1.000 EA

REL S.O.	-	VOLTS	460	ENCLOSURE	TEBC	WYE	CONN EQ	CKT OHMS	PER PHASE
FRAME	L4022	AMPS	227	MAX SAFE RPM	3750	(AT BASE RATING, 25 °C)			
HP	200	DUTY	CONT	IM (AMPS)	73	R1	.00965	X1	.0956
BASE SPEED	1785	S.F.	1.0	P.F. @NL/FL	.05/.88	R2	.00690	X2	.121
PHASE/HERTZ	3/60	AMB °C/INSUL	40/H	WK ² (lb-ft ²)	61			XM	3.53


RATED FULL LOAD DATA

	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
BASE SPEED	1785	200	588	460	60	227
MAX SPEED	3751	200	280	460	126.2	231
MIN SPEED	0	0	588	460	6.48	227

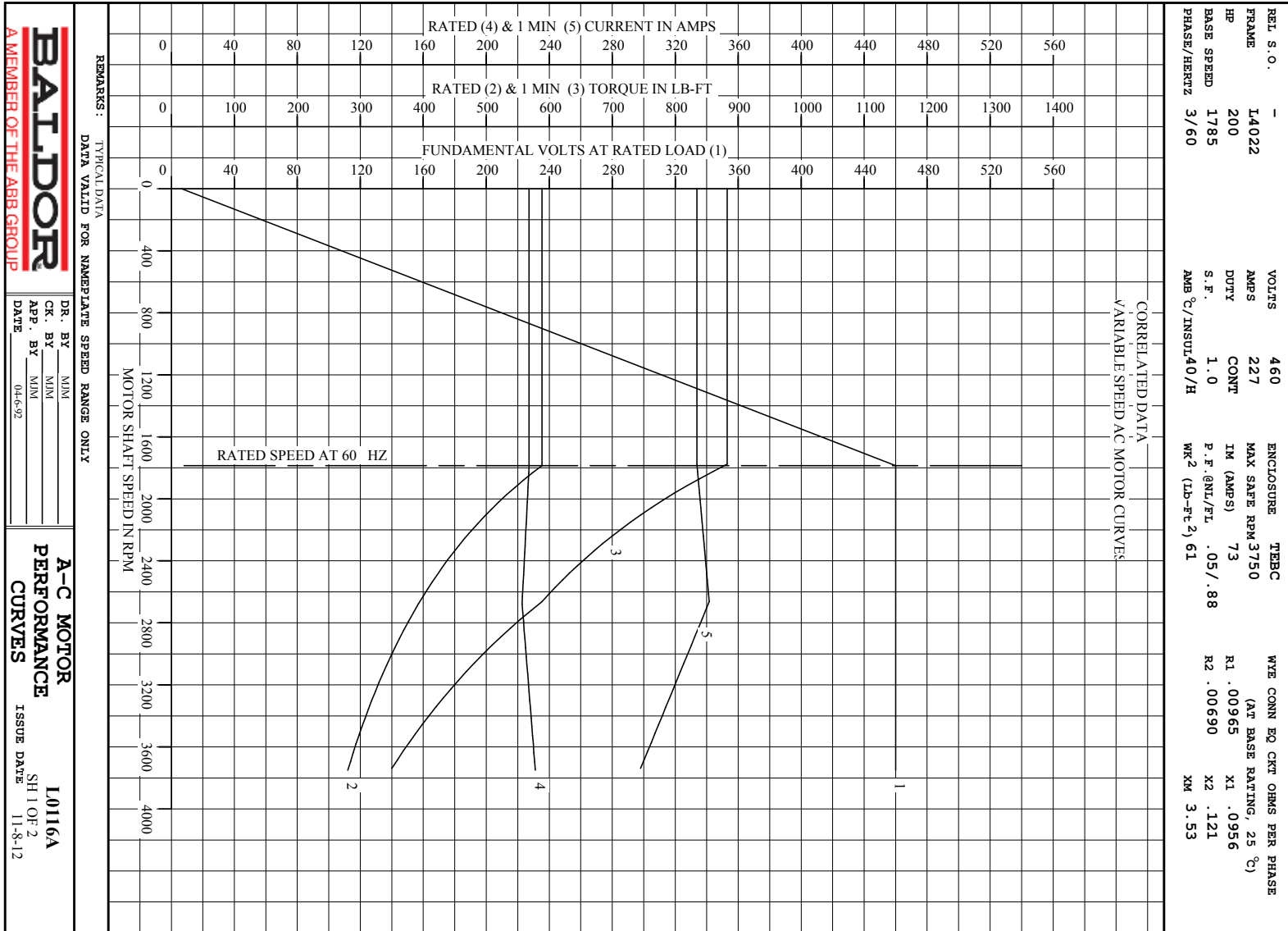
LOAD PERFORMANCE AT BASE SPEED

	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
NO LOAD	1800	0	0	460	60	73.8
1/4	1796	50.0	146	460	60	92.9
1/2	1793	100	293	460	60	131
3/4	1789	150	441	460	60	177
FULL LOAD	1785	200	588	460	60	227
O/L	1777	299	883	460	60	334

REMARKS: TYPICAL DATA
CORRELATED DATA

 <p>A MEMBER OF THE ABB GROUP</p>	DR. BY	MM	<p>A-C MOTOR</p> <p>PERFORMANCE</p> <p>DATA</p>
	CR. BY	MM	
	APP. BY	MM	
	DATE	04-6-92	

A-C MOTOR
PERFORMANCE
DATA
ISSUE DATE 11-8-12

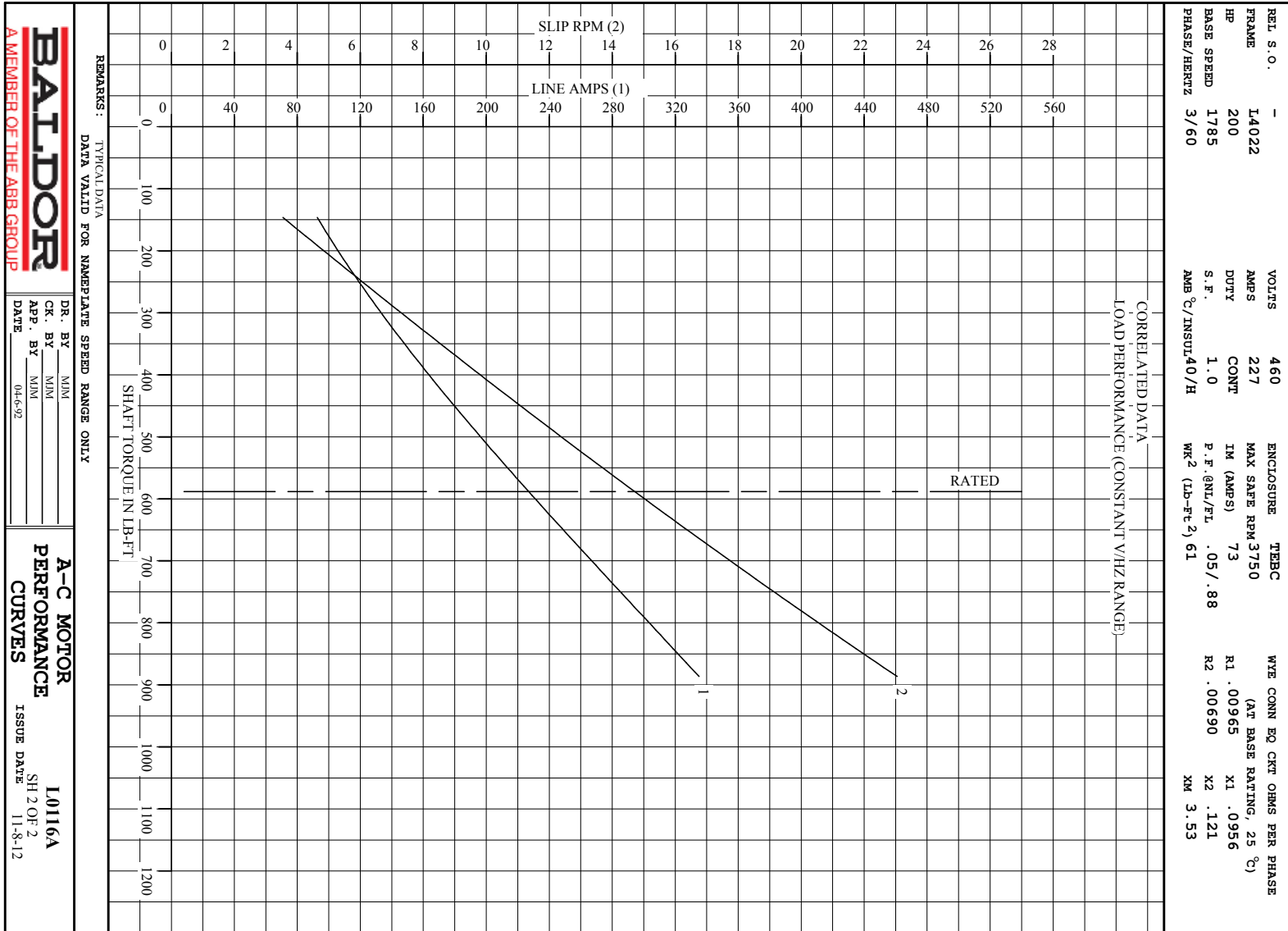


BALDOR
A MEMBER OF THE ABB GROUP

DR. BY _____
CR. BY _____
APP. BY _____
DATE 04-6-92

A-C MOTOR
PERFORMANCE
CURVES

L01116A
SH 1 OF 2
ISSUE DATE 11-8-12



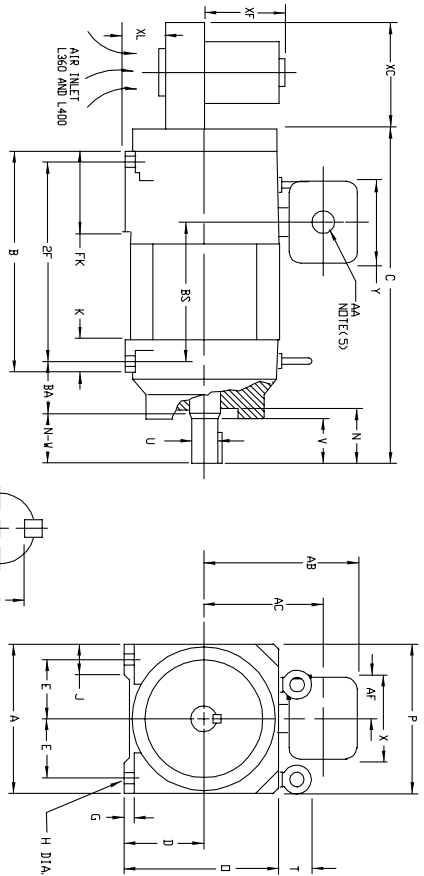
BALDOR
A MEMBER OF THE ABB GROUP

DR. BY _____
CR. BY _____
APP. BY _____
DATE 04-6-92

A-C MOTOR
PERFORMANCE
CURVES
I01116A
SH 2 OF 2
ISSUE DATE 11-8-12

609994-001

VARIABLE SPEED ALTERNATING CURRENT MOTORS
RPM AC
ENCLOSURE: TOTALLY ENCLOSED
MOUNTING: FOOT
FRAMES L3281 THRU UL4046
COOLING: FAN COOLED
BLOWER COOLED
AIR-OVER INLINE



DIMENSIONS ARE IN INCHES

FRAME	A	BC (1)	E	G	H	J	D	P	T	BA	K	FK
L3281 THRU L3292	15.50	8.00	6.25	.88	69	3.00	15.81	15.62	2.44	5.25	3.25	8.00
L3699 THRU L3814	17.50	9.00	7.00	1.06	81	3.29	17.81	17.62	2.81	5.88	3.75	10.00
L4022 THRU UL4046	19.44	10.00	8.00	1.12	81	3.50	19.81	19.62	3.56	6.62	4.00	11.50

FRAME	METHOD OF DRIVE	C	B	BS	2F	N	N-V	UC2	V	RK33	SD	LGTH	XL	XC	XF	WT. LBS.
L3811	(4)	38.25	22.25	15.12	20.25	5.50	5.25	2.625	5.00	2.275	.625	4.00	1.69	---	---	840
L3292	(4)	41.00	25.00	17.88	23.00	5.50	5.25	2.625	5.00	2.275	.625	4.00	1.69	---	---	990
L3699	COUPLED	35.75	27.00	19.25	24.75	5.19	4.75	2.375	4.50	2.021	.625	3.00	5.19	10.12	7.00	1175
UL3699	BELTED	37.50	27.00	19.25	24.75	5.94	6.25	3.375	6.25	2.880	.875	5.00	5.19	10.12	7.00	1225
UL3607	COUPLED	37.50	29.00	21.25	26.75	5.19	4.75	2.375	4.50	2.021	.625	3.00	5.19	10.12	7.00	1350
UL3607	BELTED	39.50	29.00	21.25	27.75	5.19	4.75	2.375	4.50	2.021	.625	3.00	5.19	10.12	7.00	1400
UL3698	BELTED	40.50	30.00	22.25	27.75	6.94	6.25	3.375	6.25	2.880	.875	5.00	5.19	10.12	7.00	1575
UL3614	COUPLED	42.75	34.00	26.25	31.75	5.19	4.75	2.375	4.50	2.021	.625	3.00	5.19	10.12	7.00	1700
UL3614	BELTED	44.50	34.00	26.25	31.75	6.94	6.25	3.375	6.25	2.880	.875	5.00	5.19	10.12	7.00	1750
UL4022	COUPLED	42.12	33.00	24.38	30.50	4.56	4.75	2.375	4.50	2.021	.625	3.00	5.69	12.00	10.31	1750
UL4022	BELTED	45.88	33.00	24.38	30.50	8.31	8.50	3.875	8.25	3.309	1.00	6.88	5.69	12.00	10.31	1800
UL4034	COUPLED	45.12	36.00	27.38	33.50	4.56	4.75	2.375	4.50	2.021	.625	3.00	5.69	12.00	10.31	2150
UL4034	BELTED	48.88	36.00	27.38	33.50	8.31	8.50	3.875	8.25	3.309	1.00	6.88	5.69	12.00	10.31	2200
UL4046	COUPLED	48.12	39.00	30.38	36.50	4.56	4.75	2.375	4.50	2.021	.625	3.00	5.69	12.00	10.31	2450
UL4046	BELTED	51.88	39.00	30.38	36.50	8.31	8.50	3.875	8.25	3.309	1.00	6.88	5.69	12.00	10.31	2500

- (1) 'D' DIMENSION WILL NOT BE EXCEEDED. SHIMS UP TO .03 INCHES IN THICKNESS
 - (2) ARE USUALLY REQUIRED FOR COUPLED OR GEARED MACHINES.
 - (3) 'R' MARKS --- 4.00 - 5.00
 - (4) METHOD OF DRIVE COUPLED OR BELTED
 - (5) FOR TERMINAL BOX DIMENSIONS AA, AB, AC, AF, X & Y REFER TO BOX DIMS STAND. 609994-1, 609994-2, 609994-3, 609994-4, 609994-5, 609994-6, 609994-7, 609994-8, 609994-9, 609994-10.
 - (6) DIMENSIONS SUBJECT TO BALDOR CHANGE DIMS.
- SHAFT OR DRIVE END DIMS NOT MOUNTED IN REAR ON AIR INLET TERMINAL BOX CAN BE ROTATED IN 90 DEG. INCREMENTS. TERMINAL BOX CAN BE LOCATED ON SIDE IN F1 OR F2 MOTOR WEIGHT MAY VARY SLIGHTLY FOR NON-STANDARD RATINGS AND/OR ACCESSORIES. IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.

FRAME _____ TYPE _____ ITEM _____ HP _____ RPM _____ APPROVED BY _____ PH _____ HZ _____ VOLTS _____
 ORDER _____ SALES ORDER _____ DATE _____

100-466600

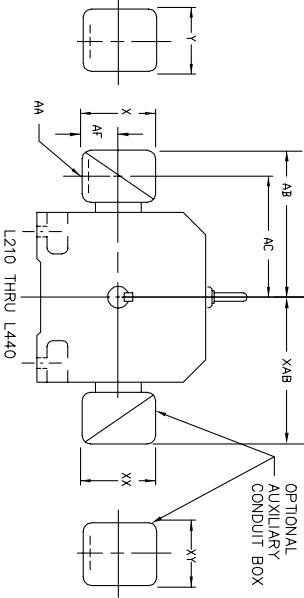
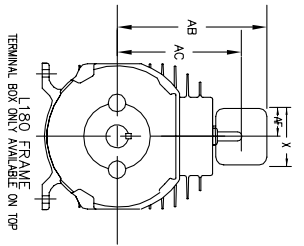
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: ASSIGNED TO BUSLOAD	VERSION: 00	TDR: 000000486619
REV. LTR: -	REvised: 10:17:16 01/08/2009	BY: CONBAT
FILE: RGG\00003\660		
MTL: -		

Baldor • Dodge • Reliance
 DIM SHT L3281 THRU UL4046 RPM AC TEFC & BC AO INLINE FT M TG
 SH 1 of 1

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	AK(1)	AB	AC	AF	STANDARD SIZE	MAX AMPS	AK(2)	AB	AC	AF
L180	40	1.38	8.62	6.94	2.25	4.50	5.00	706320-3-A			
L210	75	2	9.38	7.50	2.81	5.62	6.12	706320-3-A	L180	60	1
L210	160	2	12.75	9.19	4.25	8.44	7.25	706320-3-A & D	L210	140	3
L210	305	4	14.62	10.50	5.38	10.56	9.00	706320-16-A & D	L210	210	4
L250	500	5	18.38	13.25	6.50	12.10	14.62	706320-16-A & D	L210	510	5
L250	160	2	13.75	10.63	4.25	8.44	7.25	706320-3-A & D	L250	140	3
L250	305	4	15.75	11.56	5.38	10.56	9.00	706320-16-A & D	L250	210	4
L250	500	5	19.50	14.31	6.50	12.10	14.62	706320-16-A & D	L250	510	5
L280	160	2	14.00	10.44	4.25	8.44	7.25	706320-3-A & D	L280	140	3
L280	305	4	15.88	11.75	5.38	10.56	9.00	706320-16-A & D	L280	210	4
L280	500	5	19.62	14.50	6.50	12.10	14.62	706320-16-A & D	L280	510	5
L320	160	2	13.38	11.81	4.25	8.44	7.25	706320-3-A & D	L320	140	3
L320	305	4	17.25	13.12	5.38	10.56	9.00	706320-16-A & D	L320	210	4
L320	500	5	21.00	15.88	6.50	12.10	14.62	706320-16-A & D	L320	510	5
L360	160	2	16.38	12.81	4.25	8.44	7.25	706320-3-A & D	L360	140	3
L360	305	4	18.25	14.12	5.38	10.56	9.00	706320-16-A & D	L360	210	4
L360	500	5	22.00	16.88	6.50	12.10	14.62	706320-16-A & D	L360	510	5

MILL CONDUIT BOX DIMENSIONS (MAXIMUM)					
FRAME SIZE	MAX AMPS	AA	AB	AC	AF
L210	160	(3)	10.78	8.41	3.50
L250	160	(3)	11.84	9.47	3.50
L280	160	(3)	12.75	10.75	3.50
L320	590	(3)	14.75	11.34	4.50
L360	590	(3)	15.47	12.06	4.50
L400	590	(3)	16.47	13.06	4.50
L440	590	(3)	18.00	15.00	4.50
L440	1260	(3)	27.38	19.88	6.06

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	PART NUMBER	PART NUMBER
L180/UL112	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	706320-5-A or 4-C	706320-5-A or 4-C
L210/UL132	100	--	10.77(274)	9.04(230)	3.74(95)	7.48(190)	7.48(190)	706310-56-A	706310-56-A	706310-225-R	706310-225-R
L250/UL160	160	--	11.63(296)	9.62(245)	4.41(112)	8.82(224)	8.82(224)	706310-56-B	706310-56-B	706310-225-R	706310-225-R
L320/UL180	160	--	12.09(307)	10.36(264)	3.74(95)	7.48(190)	7.48(190)	706310-56-A	706310-56-A	706310-225-R	706310-225-R
L360/UL200	160	--	12.95(329)	10.94(278)	4.41(112)	8.82(224)	8.82(224)	706310-56-B	706310-56-B	706310-225-R	706310-225-R
L400/UL250	160	--	13.58(345)	11.57(294)	4.41(112)	8.82(224)	8.82(224)	706310-56-B	706310-56-B	706310-225-R	706310-225-R
L440/UL280	160	--	13.99(356)	12.06(306)	4.41(112)	8.82(224)	8.82(224)	706310-56-B	706310-56-B	706310-225-R	706310-225-R
L360/UL200	800	--	20.06(510)	17.53(446)	6.20(158)	14.39(366)	14.39(366)	706310-63-B	706310-63-B	706310-63-B	706310-63-B
L360/UL250	800	--	20.78(528)	18.25(464)	6.20(158)	14.39(366)	14.39(366)	706310-63-B	706310-63-B	706310-63-B	706310-63-B
L400/UL250	800	--	21.75(553)	19.25(489)	6.20(158)	14.39(366)	14.39(366)	706310-63-B	706310-63-B	706310-63-B	706310-63-B
L400/UL280	1260	--	25.94(659)	18.44(468)	6.06(154)	18.50(470)	18.50(470)	706310-63-E	706310-63-E	706310-63-E	706310-63-E
L440/UL280	1260	--	27.38(696)	19.88(505)	6.06(154)	18.50(470)	18.50(470)	706310-63-E	706310-63-E	706310-63-E	706310-63-E
L440/UL280	1300	--	30.38(772)	21.38(543)	12.44(316)	24.00(610)	24.00(610)	706310-360-A	706310-360-A	706310-360-A	706310-360-A

DEPT. AUXILIARY CONDUIT BOX DIMENSIONS (MAXIMUM)											
FRAME SIZE	XY	YAB	XY	PART NUMBER	FRAME SIZE	XY	YAB	XY	XY	XY	PART NUMBER
L210/UL132	7.48	4.25	4.25	602007-26-A	L210/UL132	10.88	8.00	8.00	8.00	8.00	706310-3-B
L250/UL160	8.44	4.25	4.25	602007-26-A	L250/UL160	11.88	8.00	8.00	8.00	8.00	706310-3-B
L280/UL180	9.12	4.25	4.25	602007-26-A	L280/UL180	12.62	8.00	8.00	8.00	8.00	706310-3-B
L320/UL200	10.00	4.25	4.25	602007-26-A	L320/UL200	13.50	8.00	8.00	8.00	8.00	706310-3-B
L360/UL225	11.00	4.25	4.25	602007-26-A	L360/UL225	14.50	8.00	8.00	8.00	8.00	706310-3-B
L400/UL250	12.00	4.25	4.25	602007-26-A	L400/UL250	15.50	8.00	8.00	8.00	8.00	706310-3-B
L440/UL280	13.12	4.25	4.25	602007-26-A	L440/UL280	16.62	8.00	8.00	8.00	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

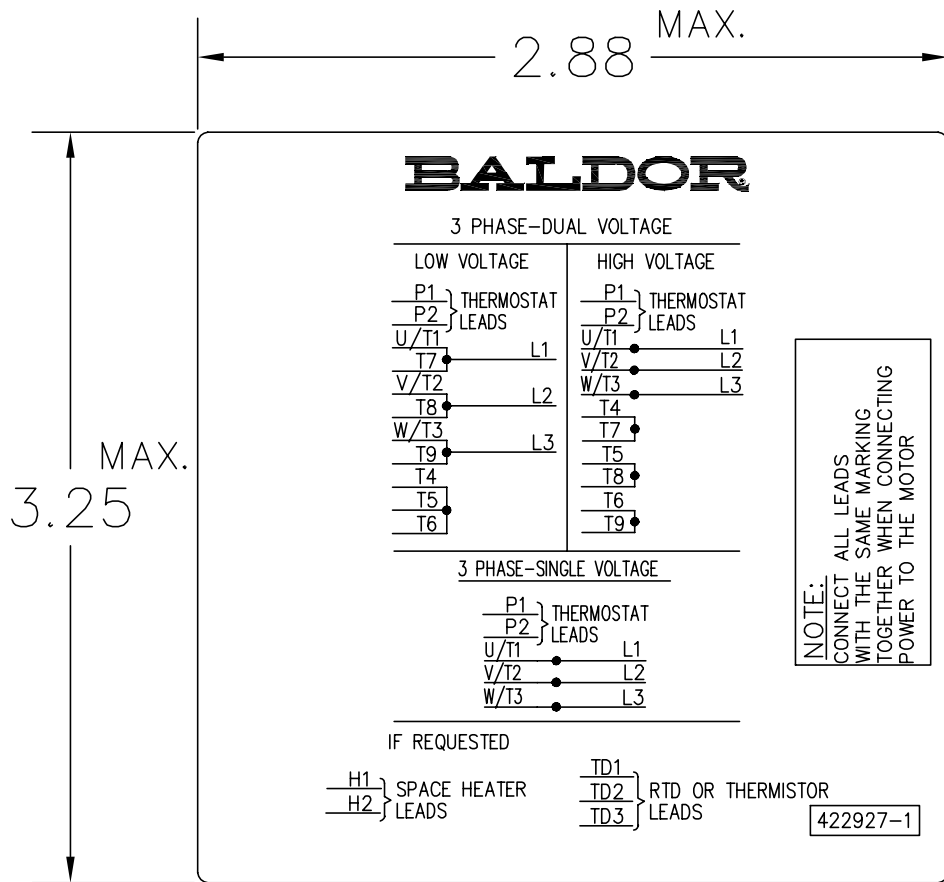
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

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



DIM SHT NEMA L180 THRU L440 & IEC DL112 THRU DL280

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

422927-001

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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