

ABB BALDOR RELIANCE III

Customer information packet

IDBRPM362004

200HP, 1785RPM, 3PH, 60HZ, L3614Z, TEBC, FOOT,

Specifications

Enclosure	TEBC
Frame	L3614
Frame Material	Exposed Laminations
Frequency	60.00 Hz
Output @ Frequency	200.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	229.000 A @ 460.0 V
Duty Rating	CONT
Feedback Device	NO FEEDBACK
Frame Prefix	L
Heater Indicator	No Heater
High Voltage Full Load Amps	229.0 a
Insulation Class	H
Motor Standards	NEMA
Mounting Arrangement	F3
Overall Length	52.87 IN
Product Family	General Industrial
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.00
Shaft Diameter	2.374 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Speed	1785 rpm
Thermal Device - Bearing	None
Thermal Device - Winding	Normally Closed Thermostat

Part Detail

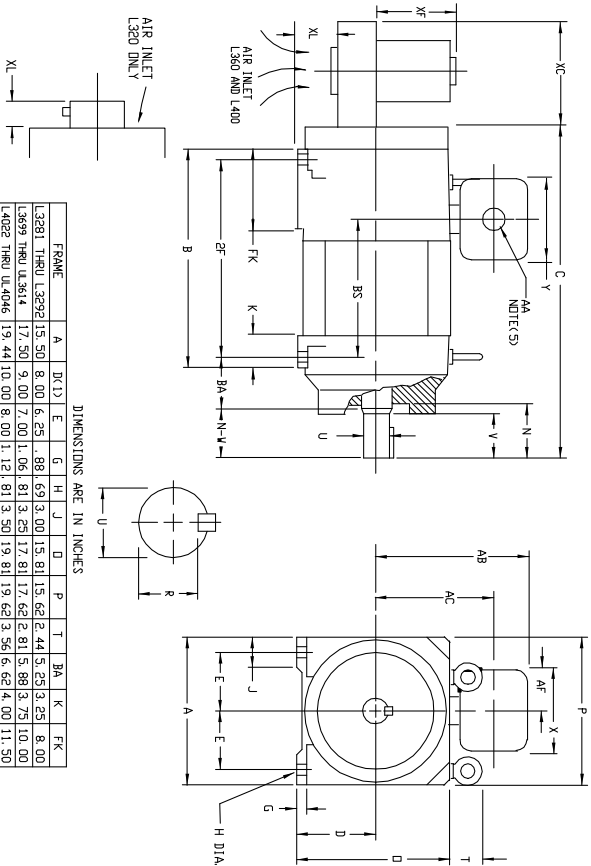
Revision	A
Type	AC
Mech. spec.	
Base	
Status	UNR/A
Elec. spec.	L3375A
Layout	609994-001
Eff. date	08-03-2018
CD Diagram	422927-001
Poles	04
Leads	
Proprietary	False
Created date	04-10-2015

Nameplate

000613006MY									
	DUTY	HP	RPM	AMPS	VOLTS	HZ			
	CONT	200	1785		229	460		60	
	CONT	200	3565		226	460		120	
CAT.NO.				SPEC. NO.	P36L0237				
SER.NO			FR	L 3614	INSUL	H			
PH.	3	MAX SAFE SPEED			3750	AMB.	40	MIN. AMB.	-25
DESIGN NO.	L3375A			TYPE		ENCL.	TEAO-BC		
S.F.	1.0				D.E. BRG.	65BC03J30X			
ENCL MOD						O.D.E. BRG.	65BC03J30X		

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

FRAMES L3281 THRU UL4046



FRAME	A	BC	D	E	F	G	H	J	D	P	T	BA	K	FK
L3281 THRU L3292	15.50	8.00	6.25	88.63	3.00	15.81	15.62	4.41	5.23	3.25	8.00			
L3699 THRU L3614	17.50	9.00	7.00	1.06	81.3	2.23	17.81	17.62	2.81	5.88	3.73	10.00		
4002 THRU UL4046	19.44	10.00	8.00	1.12	81.3	3.50	19.81	19.62	3.56	6.62	4.00	11.50		

FRAME	DRIVE	C	B	BS	BF	N	N-V	BC	V	BC	SD	LGTH	XL	XC	XF	YS
L3281	(4)	38.23	22.25	15.12	20.23	5.50	5.23	2.625	5.00	2.275	.625	4.00	1.69	----	----	840
L3292	(4)	41.00	25.00	17.88	23.00	5.50	5.23	2.625	5.00	2.275	.625	4.00	1.69	----	----	990
L3699	COUPLED	35.75	27.00	19.29	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	19.29	24.75	6.94	6.75	3.375	4.50	2.880	.875	5.00	5.19	10.12	7.00	1225
L3607	COUPLED	37.75	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	26.75	6.94	6.75	3.375	4.50	2.880	.875	5.00	5.19	10.12	7.00	1400
L3698	COUPLED	38.75	30.00	22.25	27.75	5.19	4.75	2.375	4.50	2.021	.625	3.00	5.19	10.12	7.00	1525
UL3698	BELTED	40.50	30.00	22.25	27.75	6.94	6.75	3.375	4.50	2.880	.875	5.00	5.19	10.12	7.00	1575
L3614	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	6.75	3.375	4.50	2.880	.875	5.00	5.19	10.12	7.00	1750
L4002	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	1800
UL4002	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	2150
L4034	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	2200
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	2450
L4046	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	2500
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) *P DIMENSION WILL NOT BE EXCEEDED. SHIMS UP TO .03 INCHES IN THICKNESS.
(2) ARE USUALLY REQUIRED FOR COUPLED OR GEARED MACHINES.
(3) *P VARIES -- +.000 - .001
(4) *P VARIES -- +.000 - .001
(5) *P VARIES -- +.000 - .001
(6) BLOWER ASSEMBLY FOR BLOWER COOLING ONLY.
WALLS OR OBSTRUCTIONS MUST NOT ENCRUST ON AIR INLET
SPACE. *XL* FOR BLOWER OR FAN COOLING.
TERMINAL BOX CAN BE MOUNTED IN 90 DEG. INCREMENTS.
TERMINAL BOX CAN BE MOUNTED IN STANDARD POSITION WHEN SPECIFIED.
MOTOR WEIGHT MAXIMUM 15% PER NON-STANDARD RATINGS AND/OR ACCESSORIES.
IF MOUNTING CLEARANCE IS INSUFFICIENT, CONSULT FACTORY.

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

100-966609

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
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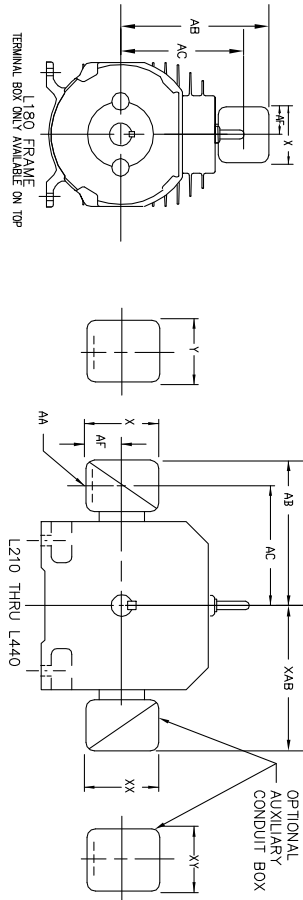
Baldor • Dodge • Reliance

DIM SHT L3281 THRU UL4046 RPM AC TEFC & BC AO INLINE FT MTG

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

L180 FRAME
TERMINAL BOX ONLY AVAILABLE ON TOP

L210 THRU L440

DIMENSIONS ARE IN INCHES (mm)

STEEL TERMINAL BOX DIMENSIONS (MAXIMUM)										CAST IRON TERMINAL BOX DIMENSIONS (MAXIMUM)									
FRAME SIZE					STANDARD SIZE					FRAME MAX SIZE					STANDARD SIZE				
AMP	AB	AC	AF	X	Y	AMP	AB	AC	AF	AMP	AB	AC	AF	X	Y	AMP	AB	AC	AF
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	5	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	
L250	160	2	13.75	10.25	4.25	8.44	7.25	706320-9-A & D		L250	140	3	15.38	11.50	3.62	8.00	9.25	706320-12-B	
L250	305	4	13.75	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	706320-16-A & D		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	706320-16-A & D		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	
L320	500	5	21.00	15.88	6.50	12.10	14.62	706320-16-A & D		L320	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	706320-16-A & D		L360	510	5	22.12	16.88	7.00	12.75	15.00	706320-14-D	

MILL CONDUIT BOX DIMENSIONS (MAXIMUM)									
FRAME SIZE	AMP	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	
L250	160	(3)	11.84	9.47	3.50	8.00	8.00	706310-3-X or Y	
L280	590	(3)	12.75	10.75	4.50	16.00	16.00	706310-3-R	
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	
L400	590	(3)	16.47	13.06	4.50	16.00	16.00	706310-3-R	
L440	1260	(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	AMP	AA	AB (mm)	AC (mm)	AF (mm)	X (mm)	Y (mm)	PART NUMBER	
L180/DL112	85	(4)	9.38 (239)	7.50 (191)	5.62 (143)	6.12 (156)	706320-5-A or 4-C	706320-5-A or 4-C	
L210/DL132	100	---	10.77 (274)	9.04 (230)	3.74 (95)	7.48 (190)	7.48 (190)	706310-56-A	706310-225-R
L250/DL160	160	---	11.63 (296)	9.62 (245)	4.41 (112)	8.82 (224)	8.82 (224)	706310-56-B	706310-225-R
L250/DL160	100	---	12.09 (307)	10.36 (264)	3.74 (95)	7.48 (190)	7.48 (190)	706310-56-A	706310-225-R
L280/DL180	160	---	12.95 (329)	10.94 (278)	4.41 (112)	8.82 (224)	8.82 (224)	706310-56-B	706310-225-R
L280/DL180	160	---	13.58 (345)	11.57 (294)	4.41 (112)	8.82 (224)	8.82 (224)	706310-56-B	706310-225-R
L360/DL225	800	---	20.78 (528)	18.25 (464)	6.20 (158)	14.39 (366)	14.39 (366)	706310-63-B	706310-63-B
L360/DL225	800	---	21.75 (553)	19.25 (489)	6.20 (158)	14.39 (366)	14.39 (366)	706310-63-B	706310-63-B
L400/DL250	1260	---	25.94 (659)	18.44 (469)	6.06 (154)	18.50 (470)	18.50 (470)	706310-63-E	706310-63-E
L400/DL280	1260	---	27.38 (696)	19.88 (505)	6.06 (154)	18.50 (470)	18.50 (470)	706310-63-E	706310-63-E
L440/DL280	1300	---	30.38 (772)	21.38 (543)	12.44 (316)	24.00 (610)	24.00 (610)	706310-360-A	706310-360-A

OPTIONAL AUXILIARY CONDUIT BOX DIMENSIONS (MAXIMUM)									
FRAME SIZE	XAB	XX	XY	PART NUMBER	FRAME SIZE	XAB	XX	XY	PART NUMBER
L210/DL132	7.38	4.25	4.25	602007-26-A	L210/DL132	10.88	8.00	8.00	706310-3-B
L250/DL160	8.44	4.25	4.25	602007-26-A	L250/DL160	11.88	8.00	8.00	706310-3-B
L280/DL180	9.12	4.25	4.25	602007-26-A	L280/DL180	12.62	8.00	8.00	706310-3-B
L320/DL200	10.00	4.25	4.25	602007-26-A	L320/DL200	13.50	8.00	8.00	706310-3-B
L360/DL225	11.00	4.25	4.25	602007-26-A	L360/DL225	14.50	8.00	8.00	706310-3-B
L400/DL250	12.00	4.25	4.25	602007-26-A	L400/DL250	15.50	8.00	8.00	706310-3-B
L440/DL280	13.12	4.25	4.25	602007-26-A	L440/DL280	16.62	8.00	8.00	706310-3-B

(1) ** CONDUIT
(2) ** PIPE
(3) CUSTOMER TO PROVIDE
(4) 2" DN -5A or 1" IAW DN -4C
CONDUIT BOX CAN BE ROTATED
ROTAION OF BOX MAY BE
SPECIFIED

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

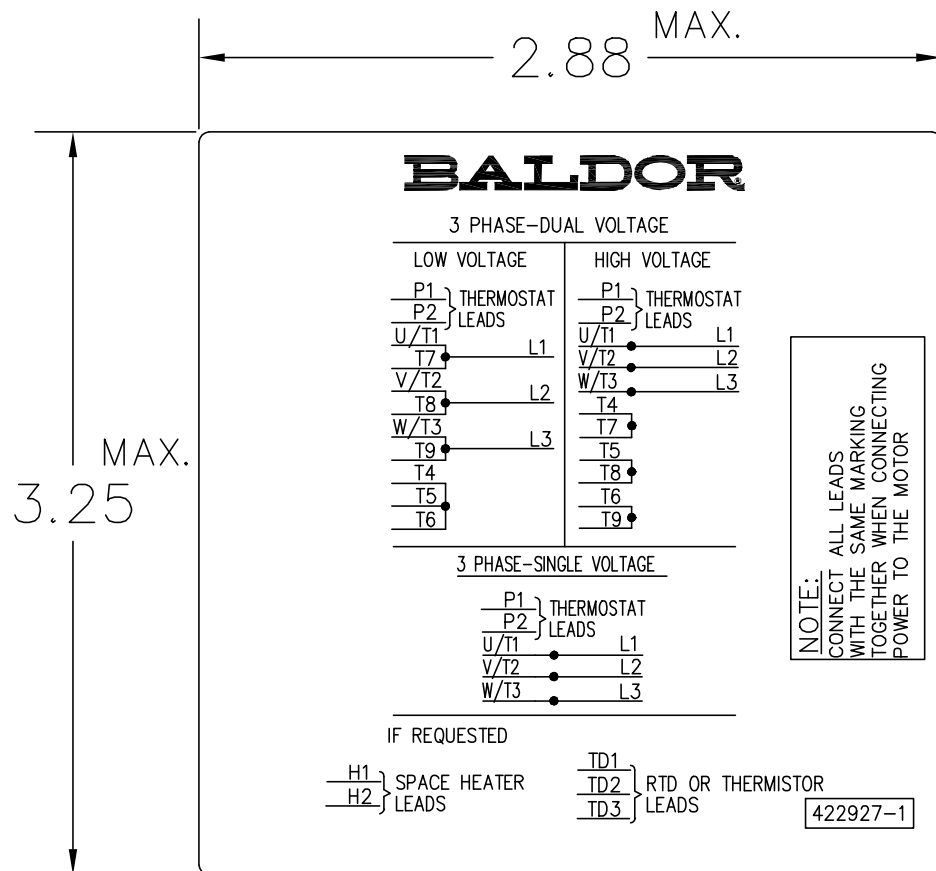
REV. DESC: ADD 1260 AMP L400, ADD 1300 AMP L440	VERSION: 01	TDR: 000000804459
REV. LTR: A	REVISED: 10:23:58 06/18/2013	BY: RCGWT
FILE: \RGG\00003\688		
MTL: -		

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