

ABB BALDOR RELIANCE III

Customer information packet

D50400RS-BV

400HP, 1750RPM, DC, 4013ATZ, DPG-FV,

Specifications

Enclosure	DP
Frame	LC4013ATZ
Frame Material	Exposed Laminations
Output Power	400.000 HP
Agency Approvals	CCSA US
Ambient Temperature	40 °C
Bearing Grease Type	Polyrex EM (-20F +300F)
Drip Cover	No Drip Cover
Feedback Device	NO FEEDBACK
Field Winding Type	STAB SHUNT
Frame Prefix	LC
Heater Indicator	No Heater
Lifting Lugs	Standard Lifting Lugs
Motor Standards	NEMA
Mounting Arrangement	F2
Overall Length	60.19 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Slinger Indicator	No Slinger

Part Detail

Revision	B
Type	DC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	G7668A A
Layout	609962-025
Eff. date	07-19-2024
CD Diagram	406770-001
Poles	00
Leads	
Proprietary	False
Created date	04-09-2015

Nameplate

000613006LP									
CAT.NO.		SPEC NO.	T40S1311						
FR	LC 4013ATZ	HP	400	DUTY	CONT				
ENCL.	DP	RPM	1750/2000	S.F.	1.0				
ENCL MOD	FORCE VENT	VOLTS	500	INSUL		F			
MAX SAFE SPEED	03000	AMPS	635.00	AMB.	40				
	FIELD DATA	SER.NO.							
WINDING	STAB SHUNT	POWER CODE	C						
VOLTS	300	D.E. BRG.	95BC02J30X						
MAX AMPS @ 25 C	7.97	O.D.E. BRG.	95BC02J30X						
HOT AMPS	5.68/4.89	MIN. AMB.	0	TYPE	TR				
	BRUSH:419904052AB								
	AIR BAFFLED								

Parts List

Part number	Description	Quantity
SA297003	SA T40S1311	1.000 ea
AA016054	AA T40S1311	1.000 ea
000613006LP	EXTRUDER DUTY D-C MOTOR W/CSA	1.000 ea
000692000FP	NP, WARNING LIFT INSTRUCTIONS	1.000 ea
033775004EA	DRSCR #6-1/4 304 S.S.	8.000 ea
000692000FS	WARNING LABEL	1.000 ea
036000014JB	M8 X 1.25X14MM HXHDCS	4.000 ea
036000020KB	MHHCS M10-1.5X20MM PLTD.	4.000 ea
036501009AB	M8-1.25 X 9MM HEX NUTS	8.000 ea
036600009AB	METRIC FLWASH M8 PLATED	4.000 ea
036610010AB	MHSLW M10 PLATED	4.000 ea
419904-52AB	BRUSH C	16.000 ea
419905003A	FLAT WASHER ROCKER RPM III RGG	4.000 ea
419905004A	HARDWARE	8.000 ea
706364052RJ	BRHLD METRIC SPRING CHG.	4.000 ea
706372015RA	ROCKR C400	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
036000075KB	HHCS M10 75MM ZINCPLAT	4.000 ea
036100100KA	HSHCS BRACKET LE	4.000 ea
036310012FB	PHMS M4 X 12MM M2	8.000 ea
036500013AB	M16 X 2.0 HX NUT,ODE BRKT 304589	4.000 ea
036500013AB	M16 X 2.0 HX NUT,ODE BRKT 304589	4.000 ea
036501006AB	KPNUT M4 ZINC	8.000 ea
412118001B	3/8-16 X 3/4 DRAIN SSTL.	1.000 ea
418057013A	GROMT	8.000 ea
418150003A	GREASE FITTING CAP	2.000 ea
419912001B	W WASHER	1.000 ea

609830005AL	TBOLT METRIC C400	4.000 ea
706311005E	PLATE	1.000 ea
706311005F	BAFFLE CX NOMEX .24 MI	1.000 ea
706311005X	BAFLE	1.000 ea
801934002C	BRKT,ODE,C400	1.000 ea
801935010A	BRKT,DE,C400	1.000 ea
000613006NT	NAME PLATE IEC	1.000 ea
032018004CK	HHCS 3/8-16X1/2L PLATED	4.000 ea
032018006CK	HHCS 3/8-16X3/4L PLATED 411409	4.000 ea
033502004JB	RHMS ST BLWR SCR	3.000 ea
034017014AB	LCKW 3/8 STD. PLATED	4.000 ea
036000012JB	M8-1.25 X 12MM HXHDC	3.000 ea
036000016KB	HHCSM10-1.5X16MM PLTD-280	2.000 ea
036000020JB	HHCS M8-1.25X20L PLTD-250	2.000 ea
036000020JB	HHCS M8-1.25X20L PLTD-250	6.000 ea
036000045HB	MHHCS M6X45MM PLATED	3.000 ea
036000045JB	M8-1.25 X 45MM HXHCS	2.000 ea
036000060KB	HHCS,DE CAP	4.000 ea
406770001	C/D TAG (STAB SHUNT)	1.000 ea
036010012GB	M5-.8 X 12 HXWHD SCREW	6.000 ea
036601009AB	M8 FLAT WASHER	2.000 ea
036601009AB	M8 FLAT WASHER	2.000 ea
036610009AB	MHSLW M8 SPL.PLTD-G508	2.000 ea
036610009AB	MHSLW M8 SPL.PLTD-G508	2.000 ea
036620010AB	M10 EXT. TOOTH LK WASHER	1.000 ea
036620010AB	M10 EXT. TOOTH LK WASHER	2.000 ea
065564004C	GASKT	1.000 ea
410978010F	FLANGE, INLET BLOWER HSG	1.000 ea
417537001A	CLAMP PLATE (MTR LEADS)	1.000 ea
415000103F	TLUG	1.000 ea
417733010B	GASKT	2.000 ea
418010015A	ADAPT C/BOX BASE	1.000 ea
418018070A	TAG "WARNING THERMOSTA	1.000 ea
418018074A	GROUND LABEL G100 METRIC 160 D.C.	4.000 ea

422913001A	SUPRT, LEAD CLAMP C400 ST	1.000 ea
422919131	HHCVR KIT,C400, DE, SOLID	1.000 ea
422919131	HHCVR KIT,C400, DE, SOLID	1.000 ea
422919131	HHCVR KIT,C400, DE, SOLID	1.000 ea
422919142	HHCVR KIT,C400,ODE,SOLID	1.000 ea
422919142	HHCVR KIT,C400,ODE,SOLID	1.000 ea
422919153	HHCVR KIT,C400,ODE,LEXAN	1.000 ea
603989007C	FILTR	1.000 ea
610490001JP	46M 2P TEFC VER 143TCZ SUPER E, CE	1.000 ea
611917002P	GASKT C400	1.000 ea
611917006Y	SCREEN, HAND HOLE CVR	1.000 ea
611965001E	BLOWER WHEEL	1.000 ea
705034040A	GUARD AIR BAFFLE	1.000 ea
706303022A	GUARD	2.000 ea
706303022B	GUARD	2.000 ea
706305026A	GUARD,SHAFT	1.000 ea
706310015A	CBOX C400	1.000 ea
706313057G	BLHSG METRIC	1.000 ea
706920004R	FLHSG S MET	1.000 ea
706920007A	FLHSG	1.000 ea
000640000P	TAG WINDING THERMOST	1.000 ea
000692000NG	LABEL ;NP 4POLE METRIC LABEL	1.000 ea
004824007K	SPECIAL PAINT	0.300 ea
034180046KA	KEY 7/8X7/8X5-3/4L	1.000 ea
418018071	LABEL LABE	1.000 ea

ACCESSORIES: SPECIAL BAFFLE
PROVISION FOR
TACHOMETER MOUNTING
ONLY WHEN SPECIFIED

Technical drawing of a centrifugal blower, showing front and side views with dimensions and labels.

Front View (Left):

- Dimensions: FN, FN-FW, FV, FU (S), FK, 2F, B, BA, BK, N-W, U, V, N, XC, XF, C, T, 1.31 AIR OUTLET, XA, XA/2, BS, G, AIR OUTLET, 2F, B, BA, BK, N-W, U, V, N, XC, XF, C, T, 1.31 AIR OUTLET, XA, XA/2, BS, G, AIR OUTLET.
- Labels: EYEBOLT MAY HAVE TO BE REMOVED WHEN MOUNTING BLOWER., GUARD, (6), FR, FU.

Side View (Right):

- Dimensions: P, XP, XE, AB, XB, XA, AF, J, E, E, A, H DIA., D, XD, XD, R, U.
- Labels: WINGNUT, NOTE (8), PDS. 1, PDS. 2, PDS. 4, PDS. 3, NOTE (4).

DIMENSIONS ARE IN INCHES

FRAME		A	B(K1)	E	G	H	HG	J	I	P	T	BA	K	FK	BK	AB	AF	RK6		
C4011A7Z-U72-L04013A7Z		19.38	10.00	8.00	1.06	1.06	2.82	3.50	19.81	19.56	4.31	6.82	8.75	12.12	5.25	16.12	8.00	624		
METHOD OF DRIVE		DRIVE EN, SHAFT AND KEY										(S)DRESSIE DRIVE EN, SHAFT AND KEY								
FRAME	DRIVE	C(7)	B	BS	2F	N	N-W	U-2	V	R(3)	S	LGTH	FN	FN-FW	F(2)	FV	FR(3)	S	LGTH	WBS
C4011A7Z	COUPLED	52.19	42.06	16.00	28.00	7.62	7.25	3.625	7.00	1.314	875	5.75	7.62	7.25	3.625	7.00	1.314	875	5.75	2500
C4011A7Z	BELTED	53.91	42.06	16.00	28.00	8.62	8.25	4.125	8.00	1.363	1.000	6.30	7.62	7.25	3.625	7.00	1.314	875	5.75	2500
MC4013A7Z	COUPLED	56.94	46.01	20.75	36.00	7.62	7.25	3.625	7.00	1.314	875	5.75	7.62	7.25	3.625	7.00	1.314	875	5.75	2800
UNC4013A7Z	BELTED	57.94	46.01	20.75	36.00	8.62	8.25	4.125	8.00	1.363	1.000	6.30	7.62	7.25	3.625	7.00	1.314	875	5.75	2800
MC4013A7Z	COUPLED	59.94	50.00	24.00	40.00	7.62	7.25	3.625	7.00	1.314	875	5.75	7.62	7.25	3.625	7.00	1.314	875	5.75	3100
UNC4013A7Z	BELTED	61.19	50.00	24.00	40.00	8.62	8.25	4.125	8.00	1.363	1.000	6.30	7.62	7.25	3.625	7.00	1.314	875	5.75	3100

FRAME	XA	XB	XC	XD	XE	XF	XG	XP
C4011AT7-III C4013AT7	16.00	6.00	1.25	26.00	9.84	18.75	42.94	22.50

- (1) "D" DIMENSION WILL NOT BE EXCEEDED SHIMS UP TO .06 INCHES IN THICKNESS ARE USUALLY REQUIRED FOR COUPLED OR BEARED MACHINES.
- (2) "U" AND "FU" VARY ----- .000 - .001
- (3) "R" AND "FR" VARY ----- .000 - .015
- (4) CUSTOMER TO PROVIDE HOLE INTERNAL BORE FOR CONDUIT.
- (5) OPPOSITE DRIVE AND SHAFT SUPPLIED ONLY WHEN SPECIFIED.
- (6) MOTOR SHAFT TAPPED FOR SCREW-IN STUB SHAFT
- (7) WHEN THE MOTOR APPLICATION DOES NOT REQUIRE THE USE OF DRIVE END, ADD .25 TO "C" DIM. FOR BRACKET COVER.
- (8) FOR HORIZONTAL APPLICATIONS ONLY.

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

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

REV. DESC: LOADED TO BUS	VERSION: 00	TDR: 000000577407
REV. LTR: -	FILE: \RGG\00015\603	REVISD: 12:40:55 01/26/2011
MTI: -		BY: CONNAS

DIMENSION DRAWING.C4011ATZ - ULC4013ATZ.DPP.FOOT MTG.

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