

ABB BALDOR RELIANCE III

Customer information packet

D50300RS-BV

300HP, 1750RPM, DC, 4013ATZ, DPG-FV,

Specifications

Enclosure	DP
Frame	MC4013ATZ
Frame Material	Exposed Laminations
Output Power	300.000 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	MC
Heater Indicator	No Heater
Lifting Lugs	Standard Lifting Lugs
Motor Standards	NEMA
Mounting Arrangement	F2
Overall Length	56.94 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Slinger Indicator	No Slinger

Part Detail

Revision	A
Type	DC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	G7648A A
Layout	609962-025
Eff. date	08-30-2023
CD Diagram	
Poles	00
Leads	
Proprietary	False
Created date	04-09-2015

Nameplate

000613006LP									
CAT.NO.	D50300RS-BV	SPEC NO.	T40S1309						
FR	MC 4013ATZ	HP	300	DUTY	CONT				
ENCL.	DP	RPM	1750/2000	S.F.	1.0				
ENCL MOD	FORCE VENT	VOLTS	500	INSUL	F				
MAX SAFE SPEED	03000	AMPS	478.00	AMB.	40				
FIELD DATA		SER.NO.							
WINDING	STAB SHUNT	POWER CODE	C						
VOLTS	300	D.E. BRG.	95BC02J30X						
MAX AMPS @ 25 C	6.50	O.D.E. BRG.	95BC02J30X						
HOT AMPS	4.76/3.92	MIN. AMB.	0	TYPE					TR
BRUSH:419904052AB									
AIR BAFFLED									

Parts List

Part number	Description	Quantity
SA297004	SA T40S1309	1.000 ea
AA016055	AA T40S1309	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
406055001C	GRFTG	1.000 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
609830005AK	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
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

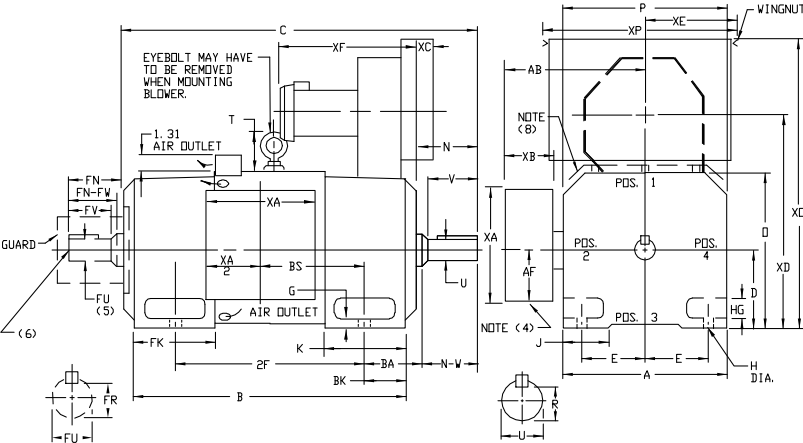
422913001A	SUPRT, LEAD CLAMP C400 ST	1.000 ea
422919131	HHCVR KIT,C400, DE, SOLID	1.000 ea
422919131	HHCVR KIT,C400, DE, SOLID	1.000 ea
422919131	HHCVR KIT,C400, DE, SOLID	1.000 ea
422919142	HHCVR KIT,C400,ODE,SOLID	1.000 ea
422919142	HHCVR KIT,C400,ODE,SOLID	1.000 ea
422919153	HHCVR KIT,C400,ODE,LEXAN	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

609962-025

INDUSTRIAL DIRECT CURRENT MOTORS
AND GENERATORS – RPM III

ENCLOSURE: DRIP-PROOF FULLY-GUARDED, COOLING: FORCE VENTILATED WITH
SPLASHPROOF INTEGRAL BLOWER AND
MOUNTING: FOOT SPECIAL AIR FILTERED-
SPECIAL BAFFLE
ACCESSORIES: PROVISION FOR
TACHOMETER MOUNTING
ONLY WHEN SPECIFIED

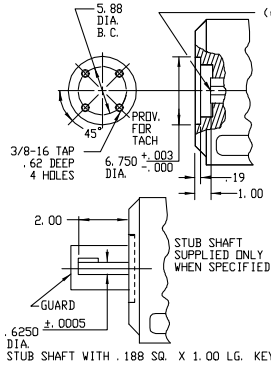
FRAMES C4011ATZ THRU ULC4013ATZ



DIMENSIONS ARE IN INCHES

FRAME	A	B (1)	E	G	H	HG	J	D	P	T	BA	K	FK	BK	AB	AF	RH (6)
C4011ATZ-ULC4013ATZ	19.38	10.00	8.00	1.06	1.06	2.82	3.50	19.81	19.56	4.31	6.62	8.75	12.12	5.25	16.12	8.00	6240

FRAME	METHOD OF DRIVE	C (7)	B	BS	2F	DRIVE END SHAFT AND KEY				OPPOSITE DRIVE END SHAFT AND KEY				WT. LBS.						
FRAME	METHOD OF DRIVE	C (7)	B	BS	2F	N	N-W	UK (2)	V	RC (3)	SO	LGTH	FN	FN-FW	FUK (2)	FV	FR (3)	SO	LGTH	WT. LBS.
C4011ATZ	COUPLED	52.19	42.06	16.00	28.00	7.62	7.25	3.625	7.00	3.134	.875	5.75	7.62	7.25	3.625	7.00	3.134	.875	5.75	2500
UC4011ATZ	BELTED	53.19	42.06	16.00	28.00	8.62	8.25	4.125	8.00	3.563	1.000	6.50	7.62	7.25	3.625	7.00	3.134	.875	5.75	2505
MC4013ATZ	COUPLED	56.94	46.81	20.75	36.00	7.62	7.25	3.625	7.00	3.134	.875	5.75	7.62	7.25	3.625	7.00	3.134	.875	5.75	2800
UMC4013ATZ	BELTED	57.94	46.81	20.75	36.00	8.62	8.25	4.125	8.00	3.563	1.000	6.50	7.62	7.25	3.625	7.00	3.134	.875	5.75	2805
LC4013ATZ	COUPLED	60.19	50.06	24.00	36.00	7.62	7.25	3.625	7.00	3.134	.875	5.75	7.62	7.25	3.625	7.00	3.134	.875	5.75	3100
ULC4013ATZ	BELTED	61.19	50.06	24.00	36.00	8.62	8.25	4.125	8.00	3.563	1.000	6.50	7.62	7.25	3.625	7.00	3.134	.875	5.75	3105



FRAME	XA	XB	XC	XD	XE	XF	XD	XP
C4011ATZ-ULC4013ATZ	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 GEARED MACHINES.
 - (2) "UF" AND "FV" VARY FROM .000 TO .001
 - (3) "R" AND "FR" VARY FROM .000 TO .015
 - (4) CUSTOMER TO PROVIDE HOLE IN TERMINAL BOX FOR CONDUIT.
 - (5) OPPOSITE DRIVE END 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 OPP. 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.

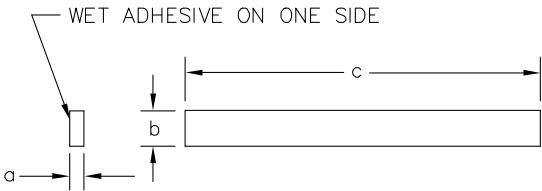
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

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

BALDOR
DIMENSION DRAWING, C4011ATZ - ULC4013ATZ, DPP, FOOT MTG.
SH 1 OF 1

609962-025

065564-004



SYM	MAKE FROM	a	b	c	REMARKS
A	X	1/8	5/8	24*	TERMBX & CVR 180AT-250AT
B	X	1/8	5/8	37 1/2*	TERMBX & CVR 280AT-320AT
C	Y	1/4	5/8	44 1/2Δ	FILTER TO HOUSING GASKET
D	X	1/8	5/8	170"	TEAO HEAT EXCH.
E	Y	1/4	5/8	72"Δ	TERMBX & CVR

SYM	MAT'L SPEC	a	b	c
X	46024-XV	1/8	5/8	* 50' ROLL; WET ADHESIVE ON ONE SIDE
Y	46024-XV	1/4	5/8	* 50' ROLL; WET ADHESIVE ON ONE SIDE

Δ RELIANCE WILL CUT AND MOUNT ON FILTER HOUSING PER ASSEMBLY DRAWING 603989-2.

* PROD. NOTE: WHEN ORDERING THRU PURCHASING ORDER AS 50 FT. ROLLS, WET ADHESIVE ON ONE SIDE. RELIANCE WILL CUT AND MOUNT ON COVER. PER INSTRUCTIONS ON COVER DRAWINGS.

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

REV. DESC: CHANGE DESCRIPTION ON TITLE BLOCK		
REV. LTR: C	VERSION: 03	TDR: 000000571980
FILE: \RGG\00000\220	REVISED: 10:54:04 12/16/2010	BY: RGGWT
MTL: -		

BALDOR
GASKET,STRIP,CLOSED CELL NEOPRENE
SH 1 of 1

065564-004