

ABB BALDOR RELIANCE III

Customer information packet

D51200R-1BV

MC4013ATZ, 200HP, 1150RPM, 500, 300, , F1

Specifications

Armature Voltage	500 V
Base Speed	1150 rpm
Enclosure	DPG-FV
Field Voltage	300 V
Frame	MC4013ATZ
Output Power	200.000 HP
Ambient Temperature	40 °C
Armature Current	320.0 a
Bearing Grease Type	Polyrex EM (-20F +300F)
Drip Cover	No Drip Cover
Duty Rating	CONT
Feedback Device	NO FEEDBACK
Field Winding Type	STR. SHUNT
Frame Prefix	MC
Heater Indicator	No Heater
Insulation Class	F
IP Rating	IP23
Lifting Lugs	Standard Lifting Lugs
Motor Standards	NEMA
Mounting Arrangement	F1
Service Factor	1.00
Shaft Diameter	3.624 IN
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.	G7635D B
Layout	609962-001
Eff. date	08-30-2023
CD Diagram	406770-006
Poles	00
Leads	
Proprietary	False
Created date	01-22-2019

Nameplate

000613006HP									
CAT.NO.	D51200R-1BV	SPEC NO.		D40-A000-0028					
FR	MC4013ATZ	HP	200		DUTY		CONT		
ENCL.	DPG-FV	RPM	1150/2000		S.F.		1.00		
ENCL MOD		VOLTS	500		INSUL		F		
MAX SAFE SPEED	03000	AMPS	320.00		AMB.		40		
FIELD DATA		SER.NO.							
WINDING	STR. SHUNT	POWER CODE		C					
VOLTS	300	D.E. BRG.		95BC02J30X					
MAX AMPS @ 25 C	7.57	O.D.E. BRG.		95BC02J30X					
HOT AMPS	5.70/3.07	MIN. AMB.		0		TYPE		TR	
	BRUSH:419904052AA								

Parts List

Part number	Description	Quantity
SA365283	SA D40-A000-0028	1.000 ea
AA017945	AA D40-A000-0028	1.000 ea
000692000FP	NP, WARNING LIFT INSTRUCTIONS	1.000 ea
000692000FS	WARNING LABEL	1.000 ea
033775004EA	DRSCR #6-1/4 304 S.S.	8.000 ea
000613006HP	NAMEPLATE - RPM III D-C MOTOR W/CSA LOGO	1.000 ea
419905004A	HARDWARE	8.000 ea
036000020KB	MHHCS M10-1.5X20MM PLTD.	4.000 ea
036610010AB	MHSLW M10 PLATED	4.000 ea
036501009AB	M8-1.25 X 9MM HEX NUTS	8.000 ea
419905003A	FLAT WASHER ROCKER RPM III RGG	4.000 ea
036000014JB	M8 X 1.25X14MM HXHDCS	4.000 ea
036600009AB	METRIC FLWASH M8 PLATED	4.000 ea
419904052AA	BRUSH	16.000 ea
706372015RA	ROCKR C400	1.000 ea
706364052RL	BRHLD METRIC SPRING CHG.	4.000 ea
801934002A	BRKT,ODE,C400	1.000 ea
801935002A	BRKT,DE,C400	1.000 ea
004824015A	GREASE POLYREX EM	0.900 lb
036000075KB	HHCS M10 75MM ZINCPLAT	4.000 ea
406055001C	GRFTG	1.000 ea
419912001B	W WASHER	1.000 ea
418150003A	GREASE FITTING CAP	2.000 ea
035000001A	ALFTG 1/8" 1610-BL	1.000 ea
035000001BB	GREASE FTG,GRS.IN	1.000 ea
036100100KA	HSCHS BRACKET LE	4.000 ea
034693001AB	PPLG - G508- use 034692001AB	1.000 ea
034693001AB	PPLG - G508- use 034692001AB	1.000 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
609830005AK	TBOLT METRIC C400	4.000 ea

610490001JP	46M 2P TEFC VER 143TCZ SUPER E, CE	1.000 ea
417537001A	CLAMP PLATE (MTR LEADS)	1.000 ea
415000103F	TLUG	1.000 ea
036000012JB	M8-1.25 X 12MM HXHDC	3.000 ea
611965001E	BLOWER WHEEL	1.000 ea
417733010B	GASKT	2.000 ea
611917002N	GASKT C400	1.000 ea
036000020JB	HHCS M8-1.25X20L PLTD-250	6.000 ea
032018006CK	HHCS 3/8-16X3/4L PLATED 411409	4.000 ea
422913001A	SUPRT, LEAD CLAMP C400 ST	1.000 ea
000613006NT	NAME PLATE IEC	1.000 ea
036610009AB	MHSLW M8 SPL.PLTD-G508	2.000 ea
036000016KB	HHCSM10-1.5X16MM PLTD-280	2.000 ea
036610009AB	MHSLW M8 SPL.PLTD-G508	2.000 ea
036601009AB	M8 FLAT WASHER	2.000 ea
036000045JB	M8-1.25 X 45MM HXHCS	2.000 ea
418018074A	GROUND LABEL G100 METRIC 160 D.C.	4.000 ea
706313062A	BLOWER HOUSING	1.000 ea
410978010F	FLANGE, INLET BLOWER HSG	1.000 ea
410978015A	GRILL, INLET FLANGE	1.000 ea
036620010AB	M10 EXT. TOOTH LK WASHER	2.000 ea
036620010AB	M10 EXT. TOOTH LK WASHER	1.000 ea
034017014AB	LCKW 3/8 STD. PLATED	4.000 ea
418010015A	ADAPT C/BOX BASE	1.000 ea
036000020JB	HHCS M8-1.25X20L PLTD-250	2.000 ea
036601009AB	M8 FLAT WASHER	2.000 ea
032018004CK	HHCS 3/8-16X1/2L PLATED	4.000 ea
422919131	HHCVR KIT,C400, DE, SOLID	1.000 ea
422919136	HHCVR KIT,C400,DE,LOUVERED,S/P	1.000 ea
422919136	HHCVR KIT,C400,DE,LOUVERED,S/P	1.000 ea
422919142	HHCVR KIT,C400,ODE,SOLID	1.000 ea
422919142	HHCVR KIT,C400,ODE,SOLID	1.000 ea
706310015A	CBOX C400	1.000 ea
036000060KB	HHCS,DE CAP	4.000 ea

406770006	C/D TAG STRAIGHT SHUNT	1.000 ea
706305026A	GUARD,SHAFT	1.000 ea
034180046KA	KEY 7/8X7/8X5-3/4L	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
418018116	WARNING PLATE	1.000 ea

COOLING: FORCE VENTILATED
WITH INTEGRAL
BLOWER AND MOTOR
AIR FILTERED

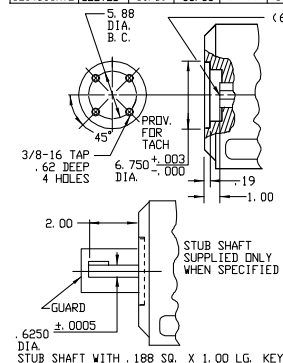
ACCESSORIES: AIR FILTERED
PROVISION FOR
TACHOMETER MOUNTING
ONLY WHEN SPECIFIED

[illegible]

FRAME	A	D(1)	E	G	H	HG	J	O	P	T	BA	K	FK	BK	AB	AF	RH(C)
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	624

FRAME	METHOD OF DRIVE	DRIVE END SHAFT AND KEY										(S) OPPOSITE DRIVE END SHAFT AND KEY										WT. LBS.
		C	B	BS	2F	N - W - U	V	R (3)	S	LGTH	FN	FN - F	FU(2)	FV	FR (3)	S	LGTH	LBS				
MC401ATZ	COUPLED	52.7	42.06	16.06	28.00	7.62	7.25	3.625	7.00	13.34	875	5.75	7.62	7.25	3.625	7.00	13.34	875	5.75	2500		
MC401ATZ	BELTED	53.0	42.06	16.06	28.00	8.62	8.25	4.125	8.00	13.5631	6.00	5.50	7.62	7.25	3.625	7.00	13.34	875	5.75	2500		
MC401ATZ	COUPLED	56.82	46.81	20.75	36.00	10.67	10.25	5.00	10.00	13.34	875	5.75	7.62	7.25	3.625	7.00	13.34	875	5.75	2800		
MC401ATZ	BELTED	57.84	46.81	20.75	36.00	10.67	10.25	5.00	10.00	13.5631	6.00	5.50	7.62	7.25	3.625	7.00	13.34	875	5.75	2800		
MC401ATZ	COUPLED	60.09	50.06	24.00	36.00	10.67	10.25	5.00	10.00	13.34	875	5.75	7.62	7.25	3.625	7.00	13.34	875	5.75	3100		
MC401ATZ	BELTED	61.09	50.06	24.00	36.00	8.62	8.25	4.125	8.00	13.5631	6.00	5.50	7.62	7.25	3.625	7.00	13.34	875	5.75	3100		

FRAME	XA	XB	XC	XD	XE	XF	XG	XD	XP
C4011ATZ-ULC4013ATZ	16.00	6.00	4.88	26.00	8.69	23.50	3.38	33.62	15.12



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

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, EXCEPT
BLOWER ASSEMBLY AND TERMINAL BOX CAN NOT BE LOCATED AT THE SAME POSITION.
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. LTR: -			VERSION: 00	TDR: 000000577407
FILE: \RGG\00015\598			REVISED: 12:02:57 01/26/2011	BY: CONNAS
MTL: -				

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

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