

ABB BALDOR RELIANCE III

Customer information packet

D51300R-BV

300HP, 1150RPM, DC, 4013ATZ, DPG-FV,

Specifications

Enclosure	DP
Frame	LC4013ATZ
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	STR. SHUNT
Frame Prefix	LC
Heater Indicator	No Heater
Lifting Lugs	Standard Lifting Lugs
Motor Standards	NEMA
Mounting Arrangement	F2
Overall Length	60.44 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.	G7516A A
Layout	609962-013
Eff. date	08-30-2023
CD Diagram	
Poles	00
Leads	
Proprietary	False
Created date	04-09-2015

Nameplate

000613006HP									
CAT.NO.	D51300R-BV	SPEC NO.		T40S1320					
FR	LC 4013ATZ	HP	300		DUTY		CONT		
ENCL.	DP	RPM	1150/2000		S.F.		1.0		
ENCL MOD	FORCE VENT	VOLTS		500		INSUL		F	
MAX SAFE SPEED	03000	AMPS		485.00		AMB.		40	
FIELD DATA		SER.NO.							
WINDING	STR. SHUNT	POWER CODE		C					
VOLTS	300	D.E. BRG.		95BC02J30X					
MAX AMPS @ 25 C	13.20	O.D.E. BRG.		95BC02J30X					
HOT AMPS	9.27/4.87	MIN. AMB.		0		TYPE		TR	
BRUSH:419904052AA									

Parts List

Part number	Description	Quantity
SA297000	SA T40S1320	1.000 ea
AA016051	AA T40S1320	1.000 ea
000613006HP	NAMEPLATE - RPM III D-C MOTOR W/CSA LOGO	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
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
419904052AA	BRUSH	16.000 ea
419905003A	FLAT WASHER ROCKER RPM III RGG	4.000 ea
419905004A	HARDWARE	8.000 ea
706364052RL	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
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
418150003A	GREASE FITTING CAP	2.000 ea
419912001B	W WASHER	1.000 ea
609830005AL	TBOLT METRIC C400	4.000 ea
610490001JP	46M 2P TEFC VER 143TCZ SUPER E, CE	1.000 ea
801934002A	BRKT,ODE,C400	1.000 ea
801935002A	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
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
036000045JB	M8-1.25 X 45MM HXHCS	2.000 ea
036000060KB	HHCS,DE CAP	4.000 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
410978010F	FLANGE, INLET BLOWER HSG	1.000 ea
410978015A	GRILL, INLET FLANGE	1.000 ea
415000103F	TLUG	1.000 ea
417537001A	CLAMP PLATE (MTR LEADS)	1.000 ea
417733010B	GASKT	2.000 ea
418010015A	ADAPT C/BOX BASE	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
422919133	HHCVR KIT,C400,DE,LOUVERED	1.000 ea
422919133	HHCVR KIT,C400,DE,LOUVERED	1.000 ea
422919142	HHCVR KIT,C400,ODE,SOLID	1.000 ea
422919142	HHCVR KIT,C400,ODE,SOLID	1.000 ea
611917002N	GASKT C400	1.000 ea
611965001E	BLOWER WHEEL	1.000 ea
706305026A	GUARD,SHAFT	1.000 ea
706310015A	CBOX C400	1.000 ea
706313062A	BLOWER HOUSING	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

COOLING: FORCE VENTILATED
WITH INTEGRAL
BLOWER AND MOTOR
ACCESSORIES: PROVISION FOR
TACHOMETER MOUNTING
ONLY WHEN SPECIFIED

Technical drawing of a motor with dimensions and labels. The drawing includes a side view and a top view. Key dimensions and labels are as follows:

- Side View Dimensions:**
 - XF: Distance from the air inlet to the center of the motor.
 - C: Total length of the motor.
 - XC: Distance from the air inlet to the center of the motor.
 - AIR INLET: Label for the air inlet.
 - T: Distance from the top of the motor to the center of the air inlet.
 - FN, FN-FW, FV: Dimensions related to the guard.
 - GUARD: Label for the guard.
 - FU (5): Label for the guard.
 - XA: Distance from the center of the motor to the center of the guard.
 - XA/2: Distance from the center of the motor to the center of the guard.
 - BS: Distance from the center of the motor to the center of the guard.
 - G: Distance from the center of the motor to the center of the guard.
 - FK: Distance from the center of the motor to the center of the guard.
 - 2F: Distance from the center of the motor to the center of the guard.
 - BK: Distance from the center of the motor to the center of the guard.
 - BA: Distance from the center of the motor to the center of the guard.
 - N-W: Distance from the center of the motor to the center of the guard.
 - B: Total length of the motor.
- Top View Dimensions:**
 - AB: Distance from the center of the motor to the center of the guard.
 - XP: Distance from the center of the motor to the center of the guard.
 - XG: Distance from the center of the motor to the center of the guard.
 - XB: Distance from the center of the motor to the center of the guard.
 - XC: Distance from the center of the motor to the center of the guard.
 - POS. 1, POS. 2, POS. 3, POS. 4: Labels for the positions of the motor.
 - AF: Distance from the center of the motor to the center of the guard.
 - NOTE (4): Label for the note.
 - J: Distance from the center of the motor to the center of the guard.
 - E: Distance from the center of the motor to the center of the guard.
 - A: Distance from the center of the motor to the center of the guard.
 - H DIA.: Label for the diameter of the hole.
 - D: Distance from the center of the motor to the center of the guard.
 - XD: Distance from the center of the motor to the center of the guard.
 - U: Distance from the center of the motor to the center of the guard.
 - R: Distance from the center of the motor to the center of the guard.

5.88 DIA. B. C.

PROV. FOR TACH

3/8-16 TAP
.62 DEEP
4 HOLES

6.750 $\pm .003$
DIA.

19

1.00

2.00

GUARD
 $\pm .0005$

6.250 DIA

STUB SHAFT SUPPLIED ONLY WHEN SPECIFIED

STUB SHAFT WITH .188 SQ. X 1.00 LG. KE

(1) "D" 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 - .005

(3) "R" AND "FR" VARY -----.000 - .015

(4) CUPPIST TO PROVIDE HOLE IN TERMINAL BOX FOR CONDUIT.

(5) DISMOUNT DRIVE END SHAFT SUPPLIED ONLY WHEN SPECIFIED.

(6) SHAFT TAPPED FOR SCREW IN SHAFT END.

(7) WHEN THE MOTOR APPLICATION DOES NOT REQUIRE THE USE OF DFP. DRIVE END, ADD .25 TO "C" 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

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