

ABB BALDOR RELIANCE III

Customer information packet CD2007R-2

C1812ATCZ, 7.5HP, 1750RPM, 240, 240, DPG, F1

Specifications

Armature Voltage	240 V
Base Speed	1750 rpm
Enclosure	DP
Field Voltage	240 V
Frame	C1812ATCZ
Output Power	7.500 HP
Agency Approvals	CCSA US
Ambient Temperature	40 °C
Armature Current	27.0 a
Drip Cover	No Drip Cover
Duty Rating	CONT
Feedback Device	NO FEEDBACK
Field Winding Type	STAB SHUNT
Frame Prefix	C
Heater Indicator	No Heater
Insulation Class	F
Lifting Lugs	Standard Lifting Lugs
Motor Standards	NEMA
Mounting Arrangement	F1
Overall Length	28.00 IN
Service Factor	1.00
Shaft Diameter	1.125 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Slinger Indicator	No Slinger
Thermal Device - Bearing	None

Part Detail

Revision	-
Type	DC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	G2203C B
Layout	609980-023
Eff. date	12-18-2019
CD Diagram	406770-001
Poles	00
Leads	
Proprietary	False
Created date	12-17-2019

Nameplate

000613006HP									
CAT.NO.	CD2007R-2	SPEC NO.	T18S1011						
FR		HP	7.5	DUTY	CONT				
ENCL.	DP	RPM	1750/2300	S.F.	1.0				
ENCL MOD		VOLTS	240	INSUL	F				
MAX SAFE SPEED	2450	AMPS	27.00	AMB.	40				
FIELD DATA		SER.NO.							
WINDING	STAB SHUNT	POWER CODE	C						
VOLTS	240	D.E. BRG.	40BC02J30X						
MAX AMPS @ 25 C	1.40	O.D.E. BRG.	30BC02J30X						
HOT AMPS	.99/.48	MIN. AMB.	0	TYPE				TR	
BRUSH:419904051AD									
SPLASHPROOF									

Parts List

Part number	Description	Quantity
SA377179	SA T18S1011	1.000 ea
AA018227	AA T18S1011	1.000 ea
000692000FS	WARNING LABEL	1.000 ea
000692000FP	NP, WARNING LIFT INSTRUCTIONS	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
422908009B	SLVNG EXTRA SLVG LENGT	28.000 ea
609844004A	LEAD SHELF	1.000 ea
036170006EA	DRSCW METRIC NAMEPLATE	2.000 ea
609848010A	INSUL, LEAD SHELF	1.000 ea
034180008EA	KEY 5/16X5/16X1 L	1.000 ea
417735001A	SLEEVE	1.000 ea
036000025HB	HHCS M6-1.0X25L PLTD.	4.000 ea
036610008AB	METRIC LCKW M6 PLTD-G508	4.000 ea
036600008AB	MFWSH M6 PLATED	4.000 ea
036501008AB	KPNUT M6-1.0 ZINCPLTED	4.000 ea
036000030HB	MHHCSM6-1.0X30MMPLTD-250	4.000 ea
036601008AB	M6 FLAT WASHER	4.000 ea
036000012HB	HHCS M6X12MM LONG PLATED	2.000 ea
419904-51AD	BRUSH C	2.000 ea
706372003A	ROCKR	1.000 ea
706364051BA	BRHLD METRIC SPRING CHG.	2.000 ea
801758052A	BRKT,ODE,C180	1.000 ea
801759054A	BRKT,DE,C180	1.000 ea
004824015A	GREASE POLYREX EM	0.100 lb
036000060JB	M8-1.25 X 60MM HXHD CSCR	2.000 ea
036000050HB	MHHCS M6X50MM PLATED	2.000 ea
406055001B	GRFTG	1.000 ea
400638001E	WWSHR (Customer number 43699)	1.000 ea
418150003A	GREASE FITTING CAP	2.000 ea
035000001A	ALFTG 1/8" 1610-BL	1.000 ea

035000001A	ALFTG 1/8" 1610-BL	1.000 ea
034693001AB	PPLG - G508- use 034692001AB	1.000 ea
034693001AB	PPLG - G508- use 034692001AB	1.000 ea
036500009AB	METRIC NUTM8-1.25PLTD-360	4.000 ea
036500009AB	METRIC NUTM8-1.25PLTD-360	4.000 ea
609830005L	TBOLT METRIC RP609830-	4.000 ea
415000103G	TLUG	1.000 ea
417733001A	GSK C/ BOX BASE	1.000 ea
418018074A	GROUND LABEL G100 METRIC 160 D.C.	1.000 ea
036620009AB	M8 EXTERNAL LK WASHER	1.000 ea
036000012JB	M8-1.25 X 12MM HXHDC	1.000 ea
032018004CK	HHCS 3/8-16X1/2L PLATED	4.000 ea
422919167	CVRKT BE	1.000 ea
422919160	HHCVR KIT,C180,DE,LOUVERED	1.000 ea
422919167	CVRKT BE	1.000 ea
422919172	HHCVR KIT,C180,ODE,SOLID	1.000 ea
422919174	CVRKT FE	1.000 ea
422919173	HHCVR KIT,C180,ODE,LOUVERED	1.000 ea
422919174	CVRKT FE	1.000 ea
706320003A	CONDUIT BOX	1.000 ea
075451000A	COVER, CONDUIT BOX	1.000 ea
065530000B	GASK	1.000 ea
036000012HB	HHCS M6X12MM LONG PLATED	2.000 ea
036000012JB	M8-1.25 X 12MM HXHDC	4.000 ea
406770001	C/D TAG (STAB SHUNT)	1.000 ea
706305020A	GUARD, SHAFT	1.000 ea
034180015DA	KEY 1/4X3/16X1-7/8L-BS	1.000 ea
000640000P	TAG WINDING THERMOST	1.000 ea
000692000NF	NP 2POLE METRIC LABEL	1.000 ea
004824007K	SPECIAL PAINT	0.100 ea

609980-023

ACCESSORIES: PROVISION FOR
TACHOMETER MOUNTING
ONLY WHEN SPECIFIED

3/8-16 TAP
.75 DEEP
4 HOLES

4.500 $\pm$.000
-.003 DIA.

45°

5.88 DIA.
B.C.

MOTOR SHAFT TAPPED
FOR SCREW IN
STUB SHAFT

2.25

.188 X .188
X 1.00 KEY

.6250 $\pm$.0005
DIA.

STUB SHAFT SUPPLIED
ONLY WHEN SPECIFIED

GUARD

FN

FN-FW
(7)

FV

FU

GUARD

BS

FK

2F

B

Y

C

T

BB

AH

N

V

AK

U
(9)

BD

N-W

BA

BK

K

AB

AC

BF TAP
4 HOLES

45°

AA
SEE
NOTE (3)

J

G

E

A

D

H
DI

FR

U

W

DIMENSIONS ARE IN INCHES

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FRAME	C(10)	B	BS	2F	DRIVE END SHAFT AND KEY (9)								OPPOSITE DRIVE END SHAFT AND KEY (7)								WT. LBS.
					AH	N	N-W	UK2	V	RC4	SQ.	LGTH	FN	FN-FW	FUK2	FV	FRK4	SQ.	LGTH.		
C1811ATCZ	24.06	14.00	11.00	12.50	2.62	3.12	2.88	1.1250	2.62	.986	250	1.75	2.44	2.25	1.1250	2.00	.986	250	1.38	180	
C1812ATCZ	25.56	15.00	12.50	14.00	2.62	3.12	2.88	1.1250	2.62	.986	250	1.75	2.44	2.25	1.1250	2.00	.986	250	1.38	215	

CAST IRON TERMINAL BOX DIMENSIONS															
FRAME	MAX AMP	STANDARD SIZE						PART NUMBER	ONE SIZE LARGER						PART NUMBER
		AA(6)	AB	AC	AF	X	Y		AA(6)	AB	AC	AF	X	Y	
C180A1C2	15	3/4	9.38	7.38	2.50	5.00	5.75	705028-2-S		9.38	7.38	2.50	5.00	5.75	705028-2-B
	40	1-1/2	9.38	7.38	2.50	5.00	5.75	705029-2-S	1-1/2	10.31	7.88	3.00	6.00	7.00	705029-2-B
	96	1-1/2	10.31	7.88	3.00	6.00	7.00	705029-2-P	2	10.31	7.88	3.00	6.00	7.00	705029-2-S

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

REV. DESC: REVISE "D" DIMENSION TOLERANCE		
REV. LTR: B	VERSION: 02	TDR: 000001150521
FILE: \RGG\00030\981	REVISED: 12:00:27 10/06/2020	BY: RGGNAS
MTL: -		

- (1) "D" DIMENSION WILL NOT BE EXCEEDED. SHIMS UP TO .06 INCHES IN THICKNESS ARE USUALLY REQUIRED FOR COMPOUND OR GEARED MACHINES.
- (2) "U" AND "F" VARY +.0005, -0.0000
- (3) TERMINAL BOX CAN BE ROTATED FOR LEAD OUTLET AT TOP, SIDES OR BOTTOM.
FOR "X/P" TERMINAL BOX DIMENSIONS SEE 609989-1
FOR "Y/P" TERMINAL BOX DIMENSIONS SEE 609989-2
- (4) "R" AND "FR" VARY +.00, -0.015.
- (5) AA CONDUIT, TERMINAL BOX PROVIDED WITH DOUBLE KNOCKOUT.
- (6) AA PIPE TAP
- (7) "K" VARY +.00, -0.005
"AK" VARIOUS +.000, -0.003.
- (8) FACE RUNOUT AND ECCENTRICITY .004 MAX. T. I. R.
- (9) DRIVE END SHAFT EXTENSION
180T AC MOTOR SHAFT EXTENSION.
- (10) WHEN THE MOTOR APPLICATION DOES NOT REQUIRE THE USE OF DEEP 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.

MOTOR WEIGHT MAY VARY 15% FOR NON-STANDARD RATINGS AND/OR ACCESSORIES.

IF MOUNTING CLEARANCE DETAILS ARE REQUIRED,
CONSULT FACTORY.

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T18S1011: C1812ATCZ,7.5HP,1750RPM,240,240,DPG,F1

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