

ABB BALDOR RELIANCE III

Customer information packet

CD2003R-2

3HP 1750/2300 240/240V C1811ATCZ SPG

Specifications

Armature Voltage	240 V
Base Speed	1750 rpm
Enclosure	DP
Field Voltage	240 V
Frame	C1811ATCZ
Output Power	3.000 HP
Agency Approvals	CCSA US
Ambient Temperature	40 °C
Armature Current	11.0 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	26.50 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.	G2201C B
Layout	609980-023
Eff. date	12-13-2019
CD Diagram	406770-001
Poles	00
Leads	
Proprietary	False
Created date	12-12-2019

Nameplate

000613006HP									
CAT.NO.	CD2003R-2	SPEC NO.	T18S1009						
FR		HP	3	DUTY		CONT			
ENCL.	DP	RPM	1750/2300		S.F.	1.0			
ENCL MOD	GUARDED	VOLTS	240		INSUL		F		
MAX SAFE SPEED	2450	AMPS	11.00		AMB.	40			
FIELD DATA		SER.NO.							
WINDING	STAB SHUNT	POWER CODE	C						
VOLTS	240	D.E. BRG.	40BC02J30X						
MAX AMPS @ 25 C	.99	O.D.E. BRG.	30BC02J30X						
HOT AMPS	.74/.38	MIN. AMB.	0		TYPE		TR		
		BRUSH:419904051AB							
		SPLASHPROOF							

609980-023

INDUSTRIAL DIRECT CURRENT MOTORS AND GENERATORS – RPM III

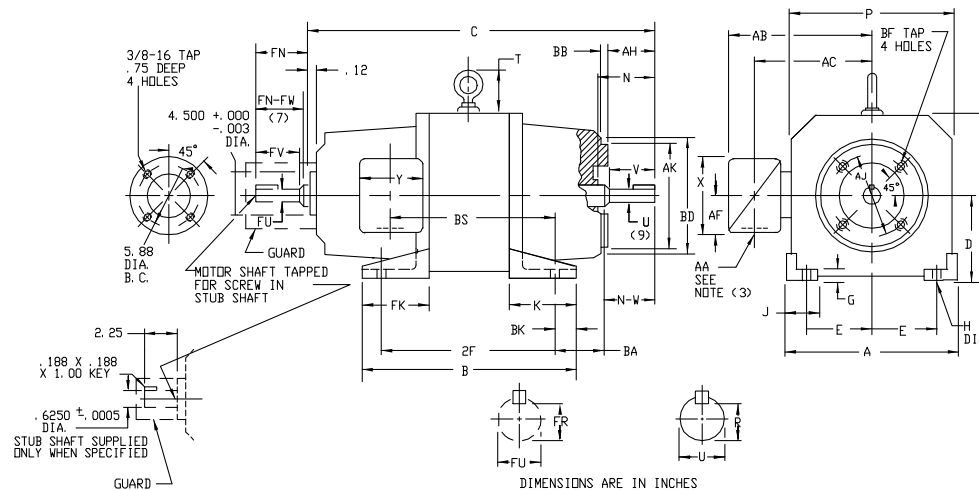
ENCLOSURE: DRIP-PROOF FULLY-GUARDED
SPLASHPROOF, TOTALLY ENCLOSED

MOUNTING: FOOT, NEMA AC "C" FACE
METHOD OF DRIVE: COUPLED OR BELTED

COOLING: SELF-VENTILATED
NON-VENTILATED

ACCESSORIES: PROVISION FOR
TACHOMETER MOUNTING
ONLY WHEN SPECIFIED

FRAMES C180ATCZ



DIMENSIONS ARE IN INCHES

FRAME	A	DK(1)	E	G	H	J	D	P	T	BA	K	FK	BK	BB	BD	BF TAP	BF TAP "DEPTH"	AJ	AK(8)
C1811ATCZ-C1812ATCZ	9.00	4.50	3.75	.31	.44	1.50	8.88	8.75	1.88	2.75	4.38	4.38	.50	2.5	8.75	1/2-13	.88	7.25	8.500

FRAME	C(10)	B	BS	2F	DRIVE END SHAFT AND KEY (9)										OPPOSITE DRIVE END SHAFT AND KEY (7)										WT.
					AH	N	N-V	UK(2)	V	R(4)	SQ	LGTH	FN	FN-FW	FK(2)	FV	FR(4)	SQ	LGTH	LBS.					
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	15.50	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					

STEEL TERMINAL BOX DIMENSIONS																			
FRAME	MAX. AMPS	STANDARD SIZE						PART NUMBER		ONE SIZE LARGER						PART NUMBER			
		AA(5)	AB	AC	AF	X	Y			AA(5)	AB	AC	AF	X	Y				
C180ATCZ	40	3/4 & 1'	7.31	5.75	1.94	4.38	5.00	705028-1-R		1-1/4 & 1-1/2	8.31	6.31	2.50	5.50	6.12	705029-1-R			
	96	1-1/4 & 1-1/2	8.31	6.31	2.50	5.50	6.12	705029-1-R		2" & 2-1/2	9.44	6.69	3.19	7.00	7.62	705030-1-R			

CAST IRON TERMINAL BOX DIMENSIONS																					
FRAME	MAX AMPS	STANDARD SIZE						PART NUMBER		ONE SIZE LARGER						PART NUMBER					
		AA(6)	AB	AC	AF	X	Y			AA(6)	AB	AC	AF	X	Y						
C180ATCZ	18	3/4	9.38	7.38	2.50	5.00	5.75	705028-2-S	1	9.38	7.38	2.50	5.00	5.75	705028-2-T						
	40		9.38	7.38	2.50	5.00	5.75	705028-2-T	1-1/2	10.31	7.88	3.00	6.00	7.00	705029-2-R						
	96	1-1/2	10.31	7.88	3.00	6.00	7.00	705029-2-R	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	VERSION: 02	TDR: 000001150521
REV. LTR: B	REVISD: 12:00:27 10/06/2020	BY: RGGNAS
FILE: \RGG\00030\981		
MTL: -		

BALDOR - RELIANCE®

DIMENSION DRAWING, C180ATCZ, TENV, DPP, FOOT MTG., NEMA AC C-FACE

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