

ABB BALDOR RELIANCE III

Customer information packet

D2007R

7.5 1750 5 DPG C1811ATZ

Specifications

Armature Voltage	240 V
Base Speed	1750 rpm
Enclosure	DP
Field Voltage	150 V
Frame	C1811ATZ
Output Power	7.500 HP
Agency Approvals	CCSA US
Ambient Temperature	40 °C
Armature Current	28.0 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	26.38 IN
Service Factor	1.00
Shaft Diameter	1.375 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.	G2032F A
Layout	609980-001
Eff. date	01-02-2020
CD Diagram	406770-001
Poles	00
Leads	
Proprietary	False
Created date	12-27-2019

Nameplate

000613006HP									
CAT.NO.		SPEC NO.	T18S1301						
FR	C1811ATZ	HP	7.5	DUTY	CONT				
ENCL.	DP	RPM	1750/2300	S.F.	1.0				
ENCL MOD	GUARDED	VOLTS	240	INSUL		F			
MAX SAFE SPEED	2450	AMPS	28.00	AMB.	40				
	FIELD DATA	SER.NO.							
WINDING	STAB SHUNT	POWER CODE	D-50/60						
VOLTS	150	D.E. BRG.	40BC02J30X						
MAX AMPS @ 25 C	1.95	O.D.E. BRG.	30BC02J30X						
HOT AMPS	1.38/.77	MIN. AMB.	0	TYPE	TR				
	BRUSH:419904051AD								

609980-001

INDUSTRIAL DIRECT CURRENT MOTORS AND GENERATORS - RPM III

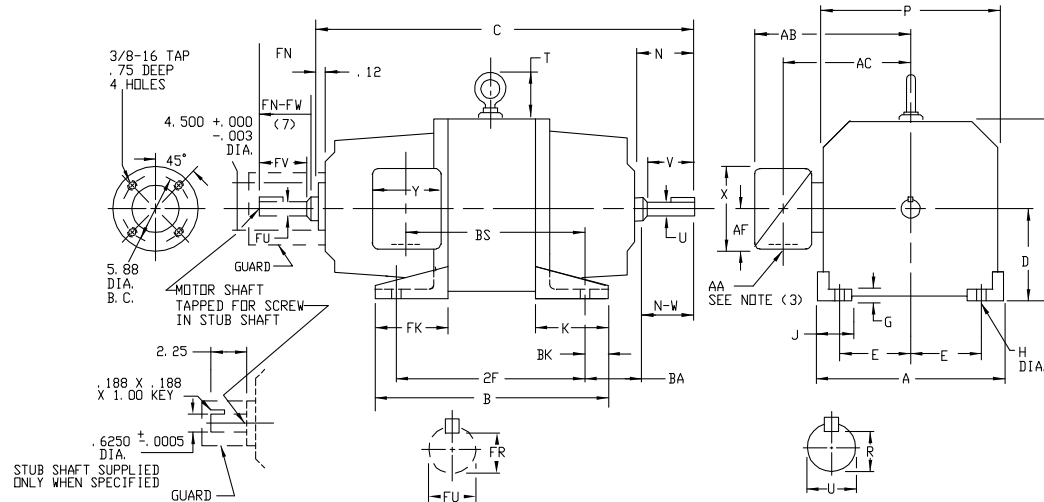
MOUNTING: FOOT
METHOD OF DRIVE: COUPLED OR BELTED

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

COOLING: SELF-VENTILATED
NON-VENTILATED

ACCESSORIES: PROVISION FOR
TACHOMETER MOUNTING
ONLY WHEN SPECIFIED

FRAMES C180ATZ



- (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 +.0000 - .0005
- (3) TERMINAL BOX CAN BE ROTATED FOR LEAD OUTLET AT TOP, SIDES OR BOTTOM. FOR "X/P" TERMINAL BOX DIMENSIONS SEE 609989-1. FOR MILL TYPE TERMINAL BOX DIMENSIONS SEE 609989-2.
- (4) "R" AND "FR" VARY +.000, -.015.
- (5) AA CONDUIT, TERMINAL BOX PROVIDED WITH DOUBLE KNOCKOUT.
- (6) AA PIPE TAP
- (7) OPPOSITE DRIVE END SHAFT SUPPLIED ONLY WHEN SPECIFIED.
- (8) WHEN THE MOTOR APPLICATION DOES NOT REQUIRE THE USE OF DDP, DRIVE END, ADD .25 TO "C" DIM. FOR BRACKET COVER.

TERMINAL BOX LOCATED ON OPPOSITE SIDE WHEN F-2, V-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.

DIMENSIONS ARE IN INCHES

FRAME	A	B(1)	E	G	H	J	D	P	T	BA	K	FK	BK
C1811ATZ-C1812ATZ	9.00	4.50	3.75	.31	.44	1.50	8.88	8.75	1.88	2.75	4.38	4.38	.50

FRAME	C(8)	B	BS	2F	N	N-W	UC(2)	V	R(4)	SG	LGTH	FN	FN-FW	FUC(2)	FV	FR(4)	SG	LGTH	WT.
C1811ATZ	23.94	14.00	11.00	12.50	3.00	2.75	1.3750	2.50	1.201	.312	1.75	2.44	2.25	1.1250	2.00	.986	.250	1.38	175
C1812ATZ	25.44	15.50	12.50	14.00	3.00	2.75	1.3750	2.50	1.201	.312	1.75	2.44	2.25	1.1250	2.00	.986	.250	1.38	210

STEEL TERMINAL BOX DIMENSIONS																			
FRAME	MAX. AMPS	STANDARD SIZE						ONE SIZE LARGER											
		AAC(S)		AB	AC	AF	X	Y	PART NUMBER		AAC(S)		AB	AC	AF	X	Y	PART NUMBER	
C180ATZ	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		
C180ATZ	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	1	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" DIM TOLERANCE	VERSION: 02	TDR: 000001158210
REV. LTR: B	FILE: \RGG\00031\202	REVISED: 01:10:53 01/13/2021
MTL: -	BY: RGGNAS	

BALDOR - RELIANCE®

DIMENSION DRAWING, C180ATZ, DDP, TENV, FOOT MTG.

SH 1 of 1

609980-001

