

ABB BALDOR RELIANCE III

Customer information packet

D2005R

C1811ATZ, 1750/2300 RPM, DC

Specifications

Armature Voltage	240 V
Base Speed	1750 rpm
Enclosure	DP
Field Voltage	150 V
Frame	C1811ATZ
Output Power	5.000 HP
Agency Approvals	CCSA US
Ambient Temperature	40 °C
Armature Current	19.2 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	1.375 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.	G2173E B
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.	T18S1318						
FR	C1811ATZ	HP	5.	DUTY		CONT			
ENCL.	DP	RPM	1750/2300		S.F.	1.0			
ENCL MOD	GUARDED	VOLTS	240		INSUL		F		
MAX SAFE SPEED	2450	AMPS	19.20		AMB.		40		
FIELD DATA		SER.NO.							
WINDING	STAB SHUNT	POWER CODE	D-50/60						
VOLTS	150	D.E. BRG.	40BC02J30X						
MAX AMPS @ 25 C	1.77	O.D.E. BRG.	30BC02J30X						
HOT AMPS	1.26/.66	MIN. AMB.	0		TYPE		TR		
BRUSH:419904051AB									

ACCESSORIES: PROVISION FOR
TACHOMETER MOUNTING
ONLY WHEN SPECIFIED

3/8-16 TAP
.75 DEEP
4 HOLES

4.500 ± .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 ± .0005
DIA.

STUB SHAFT SUPPLIED
ONLY WHEN SPECIFIED

(GUARD)

FN

C

T

N

.12

FN-FW
(7)

FV

FU

BS

V

Y

K

BK

BA

N-W

B

2F

FK

AB

P

AC

X

AF

AA SEE NOTE (3)

J

E

D

H DIA.

R

U

FR

FU

- (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 'F' VARY 4.0000 - .0005
 - (3) 'TERMINAL BOX CAN BE REQUIRED FOR LEAD OUTLET AT TOP, SIDES OR BOTTOM.
 - (4) 'FOR 'X/P' TERMINAL BOX DIMENSIONS SEE 609989-1. FOR MILL, TYPE TERMINAL BOX DIMENSIONS SEE 609989-2.
 - (5) AA CONDUIT, TERMINAL BOX PROVIDED WITH DOUBLE KNOTCUT.
 - (6) AA PIPE TAP
 - (7) OPPOSITE DRIVE END SHAFT SUPPLIED ONLY WHEN SPECIFIED.
 - (8) WHEN THE MOTOR APPLICATION DOES NOT REQUIRE THE USE OF OPP. DRIVE END, ADD .25 TO 'C' DIM. FOR BRACKET COVER.
- TERMINAL BOX LOCATED ON OPPOSITE SIDE WHEN F-2,
 F-3, F-4, F-5, F-7 OR F-8 MOTOR 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

[illegible]

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

REV. DESC: REVISE "D" DIM TOLERANCE		
REV. LTR: B	VERSION: 02	TDR: 000001158210
FILE: \\RGG\00031\202	REVISED: 01:10:53 01/13/2021	BY: RGGNAS
MTL: -		

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

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