



Customer information packet

CD1805R

5HP, 1750RPM, DC, 1810ATCZ, DPG,

Specifications

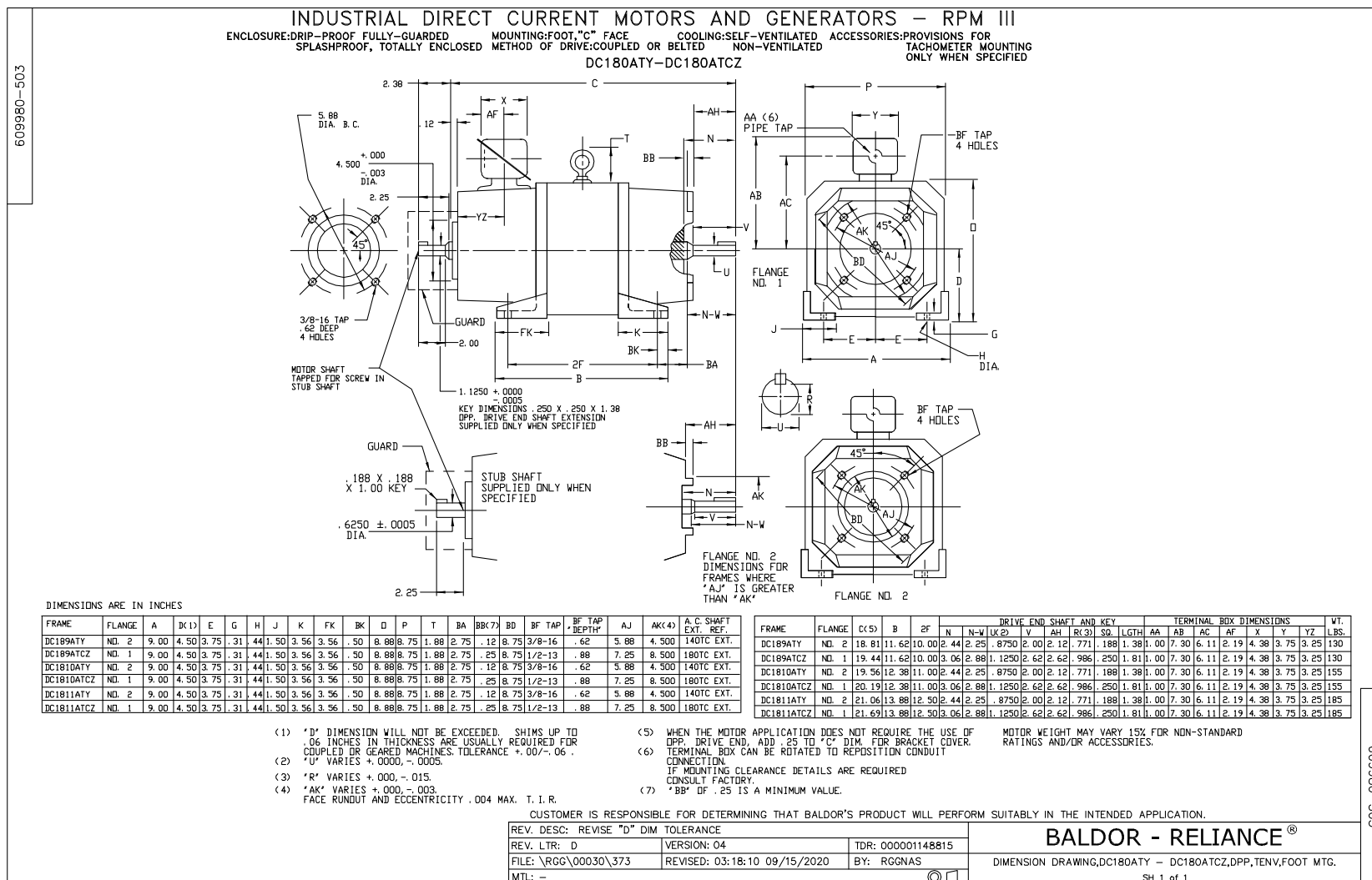
Armature Voltage	180 V
Base Speed	1750 rpm
Enclosure	DP
Field Voltage	200 V
Frame	DC1810ATCZ
Output Power	5.000 HP
Agency Approvals	CCSA US
Ambient Temperature	40 °C
Armature Current	24.0 a
Drip Cover	No Drip Cover
Duty Rating	CONT
Feedback Device	NO FEEDBACK
Field Winding Type	STR. SHUNT
Frame Prefix	DC
Heater Indicator	No Heater
Insulation Class	F
Lifting Lugs	Standard Lifting Lugs
Motor Standards	NEMA
Mounting Arrangement	F3
Overall Length	21.94 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.	G4611A
Layout	609980-503
Eff. date	12-13-2019
CD Diagram	406770-007
Poles	00
Leads	
Proprietary	False
Created date	12-12-2019

Nameplate

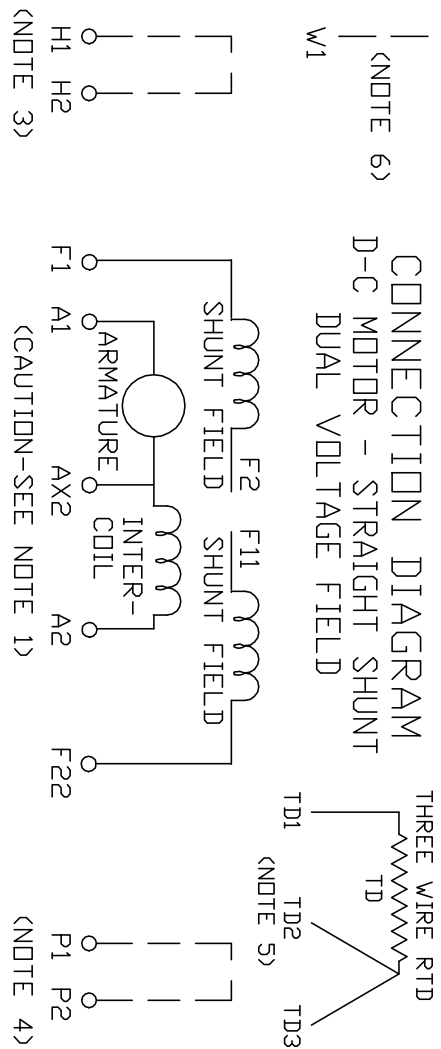
000613006HP									
CAT.NO.	CD1805R	SPEC NO.		T18S1105					
FR	DC1810ATCZ	HP	5		DUTY		CONT		
ENCL.	DP	RPM	1750		S.F.		1.0		
ENCL MOD	GUARDED	VOLTS		180		INSUL		F	
MAX SAFE SPEED	04500	AMPS	24.00		AMB.		40		
FIELD DATA		SER.NO.							
WINDING	STR. SHUNT	POWER CODE		2/2-230-60-0					
VOLTS	200/100	D.E. BRG.		30BC02JPP30A					
MAX AMPS @ 25 C	1.68	O.D.E. BRG.		30BC02JPG30A					
HOT AMPS	1.30	MIN. AMB.		0		TYPE		TR	
BRUSH:419904050A									
FLD. DATA FOR HIGH VOLTS									



406770-007

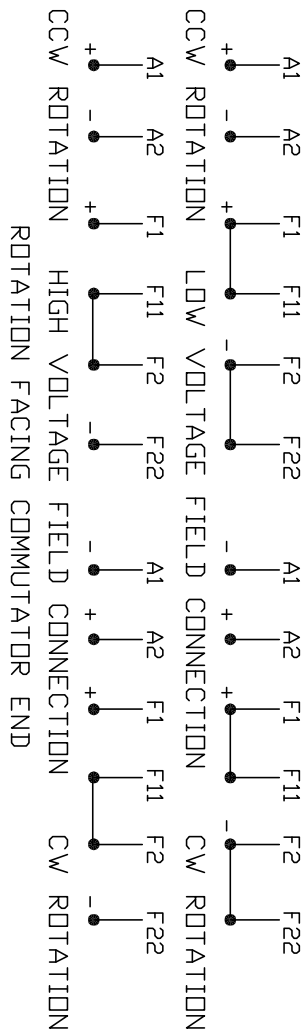
CONNECTION DIAGRAM D-C MOTOR - STRAIGHT SHUNT DUAL VOLTAGE FIELD

406770-007



ARMATURE AND FIELD EXTERNAL CONNECTIONS

WARNING- SEE NOTE 7 FOR GROUNDING INSTRUCTIONS



1. CAUTION — ARMATURE MAY HAVE MULTIPLE LEADS. CONNECT ALL LUGS WITH THE SAME MARKING TOGETHER.
2. OPTIONAL CONTROL SIGNAL LEAD IS MARKED AX2. ALWAYS TAKE INTERPOLE DROP BETWEEN A2 AND AX2. NOTE: NEMA DESIGNATION FOR AX2 IS LETTER C.
3. SPACE HEATERS, WHEN PROVIDED, WILL HAVE LEADS MARKED H1 AND H2, H3, H4, ETC.
4. THERMAL PROTECTOR, WHEN PROVIDED, WILL HAVE LEADS MARKED P1 AND P2, P3, P4, ETC.
5. WINDING RTD'S, WHEN PROVIDED, WILL HAVE LEADS MARKED TD1, TD2, & TD3.
6. BRUSH WEAR SENSOR, WHEN PROVIDED, WILL HAVE LEAD MARKED W1.
7. WARNING — MOTOR MUST BE GROUNDED TO PREVENT SERIOUS INJURIES TO PERSONNEL. GROUND THE MOTOR PER IEC, NATIONAL ELECTRICAL CODE AND ANY APPLICABLE LOCAL ELECTRICAL CODES. A TAPPED HOLE IS PROVIDED IN THE CONDUIT BOX, ON THE FOOT. FRAME BRACE OR OPPOSITE OPPOSITE DRIVE END BRACKET, ADJACENT TO THE TERMINAL BOX FOR FOR MOTOR GROUNDING. GROUND LEAD, WHEN PROVIDED, WILL BE GREEN.

CUSTOMER _____

CUSTOMER RELIANCE
ORDER NO. _____ S.D. NO. _____

REV. DESC: UPDATE LOGO AND TITLEBLOCK: LOADED TO BUS

REV. LTR: —

VERSION: 00

TDR: 000000784225

FILE: \MGA\00001\391

REVISÉ: 02:50:46 02/01/2013

MTL: —

BY: MGHPC

BALDOR

D-C MOTOR CONNECTION DIAGRAM, STR. SHUNT, DUAL VOLTAGE FIELD

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