

BALDOR® • RELIANCE

Product Information Packet

D5003R

3HP,1750RPM,DC,1811ATZ,DPG,

Part Detail							
Revision:	C	Status:	PRD/A	Change #:		Proprietary:	No
Type:		Prod. Type:		Elec. Spec:		CD Diagram:	
Enclosure:		Mfg Plant:		Mech. Spec:		Layout:	609980-001
Frame:		Mounting:		Poles:		Created Date:	02-17-2014
Base:		Rotation:	R	Insulation:		Eff. Date:	12-16-2014
Field Type:		Literature:		Elec. Diagram:		Replaced By:	

Nameplate 000613006HP					
CAT.NO.	D5003R	SPEC NO.	T18R1333		
FR	C1811ATZ	HP	3	DUTY	CONT
ENCL.	DP	RPM	1750/ 2300	S.F.	1.0
ENCL MOD	GUARDED	VOLTS	500	INSUL	F
MAX SAFE SPEED	5000	AMPS	5.20	AMB.	40
	FIELD DATA		SER.NO.		
WINDING	STR. SHUNT	POWER CODE	D		
VOLTS	300	D.E. BRG.	40BC02J30X		
MAX AMPS @ 25 C	.72	O.D.E. BRG.	30BC02J30X		
HOT AMPS	.57/ .32	MIN. AMB.	0	TYPE	TR

Parts List		
Part Number	Description	Quantity
SA281187	SA T18R1333	1.000 EA
AA015355	AA T18R1333	1.000 EA
000613006HP	NAMEPLATE - RPM III D-C MOTOR W/CSA LOGO	1.000 EA
000692000FP	NP, WARNING LIFT INSTRUCTIONS	1.000 EA
000692000FS	WARNING LABEL	1.000 EA
036170004EA	ROUND HEAD DRIVE SCREW	6.000 EA
406770006	C/D TAG STRAIGHT SHUNT	1.000 EA
609844001A	BALANCE RING	1.000 EA
705009002AA	FAN ALUMINUM	1.000 EA
036170006EA	USE 33775-6EA PER DWG	2.000 EA
609844004A	LEAD SHELF	1.000 EA
609848010A	INSUL, LEAD SHELF	1.000 EA
046001026A	THERMOSTAT	1.000 EA
418007020AB	INSUL 180-5.25CORE LGTH	1.000 EA
034180008EA	KEY 5/16X5/16X1 L	1.000 EA
036100012HA	HSHCS M6 12MM UNPLATED	2.000 EA
036610008AB	METRIC LCKW M6 PLTD-G508	2.000 EA
417735001A	SLEEVE	1.000 EA
036000050JB	M8-1,25 X 50 MHHCS	2.000 EA
400638001E	WWSHR	1.000 EA
801759052A	BRKT,DE,C180	1.000 EA
036000012JB	M8-1.25 X 12MM HXHDC	1.000 EA
036000012JB	M8-1.25 X 12MM HXHDC	4.000 EA
415000003G	GROUND LUG	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
417733001A	GSK C/ BOX BASE	1.000 EA
418018074A	GROUND LABEL G100 METRIC 160 D.C.	1.000 EA
482415000A	GREASE (MOBIL POLYREX EM)	0.680 LB
034693001AB	PPLG - G508- use 034692001AB	1.000 EA
034693001AB	PPLG - G508- use 034692001AB	1.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
036000050HB	MHHCS M6X50MM PLATED	2.000 EA
036500009AB	METRIC NUTM8-1.25PLTD-360	4.000 EA
036500009AB	METRIC NUTM8-1.25PLTD-360	4.000 EA
048977006B	GRFTG - XP	1.000 EA
418150003A	GREASE FITTING CAP	2.000 EA
609830005K	TBOLT METRIC RP609830-	4.000 EA
801758052A	BRKT,ODE,C180	1.000 EA
036000025HB	HHCS M6-1.0X25L PLTD.	4.000 EA
036601008AB	M6 FLAT WASHER	4.000 EA
036610008AB	METRIC LCKW M6 PLTD-G508	4.000 EA
419904051E	BRUSH N	2.000 EA
032018004CK	HHCS 3/8-16X1/2L PLATED	4.000 EA
036000012HB	HHCS M6X12MM LONG PLATED	2.000 EA
036620009AB	M8 EXTERNAL LK WASHER	1.000 EA
065530000B	GASK	1.000 EA
075451000A	COVER, CONDUIT BOX	1.000 EA
422919160	CVRKT BE	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
422919160	CVRKT BE	1.000 EA
422919160	CVRKT BE	1.000 EA
422919172	HHCVR SOLID FE1	1.000 EA
422919173	HHCVR LOUVER FE3	1.000 EA
422919173	HHCVR LOUVER FE3	1.000 EA
422919173	HHCVR LOUVER FE3	1.000 EA
706305020A	GUARD, SHAFT	1.000 EA
706320003A	CONDUIT BOX	1.000 EA
MG1025N19	PAINT, 778.50 WILKO, RELIANCE ELEC GREEN	0.100 GA
PA1100	PACK FOR #1 SKID; CUSTOM	1.000 EA
LB1171	LABEL CARTON 6X6 ON LINE BLANK ROLLS	1.000 EA
000640000P	TAG WINDING THERMOST	1.000 EA
000692000NF	NP 2POLE METRIC LABEL	1.000 EA
482413015Y	#15 SLVG	6.000 FT
482413013Y	#13 SLEEVING (GREEN)	6.000 FT
041009029B	CONNECTOR, RTD	4.000 EA
041009029C	16-14 BUTT CONNECTOR	3.000 EA
MN604	RPM III DC DC180-DC210ATZ (175/bx) 1/09	1.000 EA
415000003G	GROUND LUG	1.000 EA
034180014EA	KEY 5/16X5/16X1-3/4L	1.000 EA
036000012HB	HHCS M6X12MM LONG PLATED	2.000 EA
036000030HB	MHHCSM6-1.0X30MMPLTD-250	4.000 EA
036501008AB	KPNUT M6-1.0 ZINCPLTED	4.000 EA
036600008AB	MFWSH M6 PLATED	4.000 EA

Parts List (continued)		
Part Number	Description	Quantity
706364051AA	BRHLD METRIC SPRING CHG.	2.000 EA
706372003B	ROCKR	1.000 EA
MG5047	VARNISH 004824-001HM	0.200 GA
MG1025N19	PAINT, 778.50 WILKO, RELIANCE ELEC GREEN	0.200 GA

No performance data has been
assigned to this product.

INDUSTRIAL DIRECT CURRENT MOTORS AND GENERATORS - RPM III

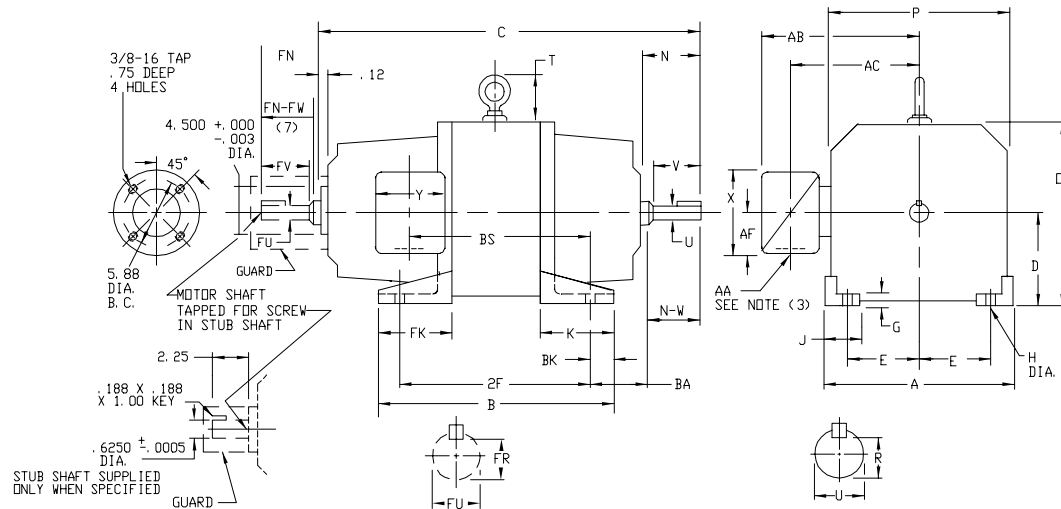
MOUNTING: FOOT
METHOD OF DRIVE: COUPLED OR BELTED

ENCLOSURE: DRIP-PROOF FULLY-GUARDED
D 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 .03 INCHES IN THICKNESS ARE USUALLY REQUIRED FOR COUPLED DR GEARED MACHINES.
 - (2) "U" AND "F" 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) WIRE ENTRY THROUGH TOP OF BOX.
 - (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,
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	D(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(B)	B	BS	2F	DRIVE END SHAFT AND KEY							OPPOSITE DRIVE END SHAFT AND KEY							WT.
					N	N-W	UC(2)	V	R(4)	SO	LGTH	FN	FN-FW	FUC(2)	FV	FRK(4)	SO	LGTH	
C181AT2	23.94	14.40	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
C181AT2	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						PART NUMBER		ONE SIZE LARGER						PART NUMBER					
		AA(5)	AB	AC	AF	X	Y		AA(5)	AB	AC	AF	X	Y		AA(5)	AB	AC	AF	X	Y
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-S
	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: REVISED DRAWING VIEWS		
REV. LTR: A	VERSION: 01	TDR: 00000087029
FILE: \RSN\00029\768	REVISED: 08:54:53 09/23/2014	BY: RSNPSB
MTL: -		

BALDOR

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

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