

ABB BALDOR RELIANCE III

Customer information packet D2010P

0219AT, 10HP, 1750RPM, 240, 150, DPFG, F1

Specifications

Armature Voltage	240 V
Base Speed	1750 rpm
Enclosure	DPFG
Field Voltage	150 V
	300 V
Output Power	10.000 HP
Agency Approvals	CSA
Ambient Temperature	40 °C
Armature Current	36.6 a
Drip Cover	No Drip Cover
Duty Rating	CONT
Feedback Device	NO FEEDBACK
Field Winding Type	STR. SHUNT
Heater Indicator	No Heater
Insulation Class	F
Lifting Lugs	Standard Lifting Lugs
Motor Standards	NEMA
Mounting Arrangement	F1
Overall Length	25.25 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.	K0018A A
Layout	876-1
Eff. date	12-09-2019
CD Diagram	15209
Poles	00
Leads	
Proprietary	False
Created date	12-03-2019

Nameplate

NP1734									
CAT.NO.				MODEL	T21S8005				
HP	10	RPM	1750/2300		FRAME		0219AT		
ARM V	240		ARM A		36.60	WOUND		STR. SHUNT	
FLD V	150/300		FLD A		2.16-1.22/1.08-.61				
CONN			OHMS				CL	F	
ENCL	DPFG		DUTY		CONT		MX AMB		40
P CODE	D		CTSR				SER.F.		1.0
S/N				E/S	K0018A A				
	BRUSH:150986-21-1								
O.D.E. BRG.	6207	D.E. BRG.		6207	BRUSH		150986-21-1		QTY 2

Parts List

Part number	Description	Quantity
SA376591	SA T21S8005	1.000 ea
AA018204	AA T21S8005	1.000 ea
036170004DA	DRSCW METRIC NAMEPLATE	4.000 ea
NP1734	NPL,BALDOR DC MTR ALUMINUM	1.000 ea
032018004BK	HHCS 5/16-18X1/2 PLATED	2.000 ea
15094	DISHED LOCKWASHER .332 ID, .865 OD	2.000 ea
21702-1	ROCKER RING ASSY FR 210 1 BRUSH PER BRU	1.000 ea
150986-21-1SP	BRUSH,210 FR. SERIES T563 NATIONAL	2.000 ea
21075-4	CE BRKT MACHINE FRAME 210 SERIES,SPL CE	1.000 ea
21073-8	FE BRKT MACH FR210 STANDARD FOR L	1.000 ea
004824015A	GREASE POLYREX EM	0.100 lb
032018048BK	5/16-18 X 6.00 HHCS	4.000 ea
032018032BK	HHCS 5/16-18X4"PLTD-250	4.000 ea
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 ea
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 ea
HW5100A07	W2816-030 WVY WASHER (WB)	1.000 ea
035000001A	ALFTG 1/8" 1610-BL	1.000 ea
035000001A	ALFTG 1/8" 1610-BL	1.000 ea
032130016AA	HSHCS	2.000 ea
150449-25	T BOX GRD STUD ARG 1/4 20 DIA. STUD	1.000 ea
21091	GASKET TERM BOX FRAME 210	1.000 ea
21091	GASKET TERM BOX FRAME 210	1.000 ea
032018006DK	HHCS 1/2-13X3/4 PLATED	4.000 ea
21090	TERM BOX HOLE COVER 1018 STEEL PLATE	1.000 ea
032018004AK	HHCS 1/4-20X1/2 PLATED	4.000 ea
21079-2	GASKET COVER CE FRAME 210	3.000 ea
21079-1	GASKET,CVR,FAN END,FR.2103/32 THK DC205(	3.000 ea
032018004AK	HHCS 1/4-20X1/2 PLATED	28.000 ea
21080-1	VENT COVER FR 21 SERIES	3.000 ea
21081-2	ACCESS COVER FRAME 21 SERIES	1.000 ea
21080-2	VENT COVER, FR 21 SERIES W-5.00	2.000 ea

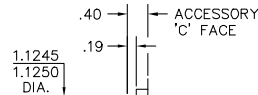
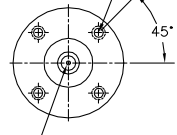
15029-1	TERM.BOX BASE FR-210 DUREX P/N:1DR	1.000 ea
15029-2	TERM.BOX COVER FR-210 DUREX P/N:D616	1.000 ea
15029-3	GASKET T BOX CVR,1/8 THK ARMSTRONG DC 20	1.000 ea
032018004AK	HHCS 1/4-20X1/2 PLATED	2.000 ea
032018004AK	HHCS 1/4-20X1/2 PLATED	4.000 ea
15209	LABEL CONNECTIONS & TERMINAL MARKIN	1.000 ea
15021-1	ACCESSORY FACE COVER FRAME 180-500 SERIE	1.000 ea
034180014EA	KEY 5/16X5/16X1-3/4L	1.000 ea
004824007BTW	SPECIAL PAINT4824-3BVZ	0.100 ea

Accessories

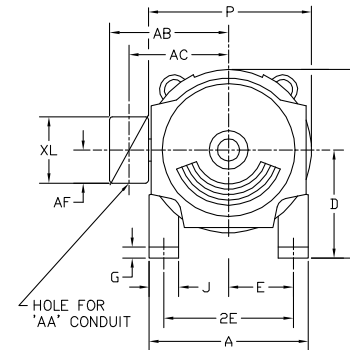
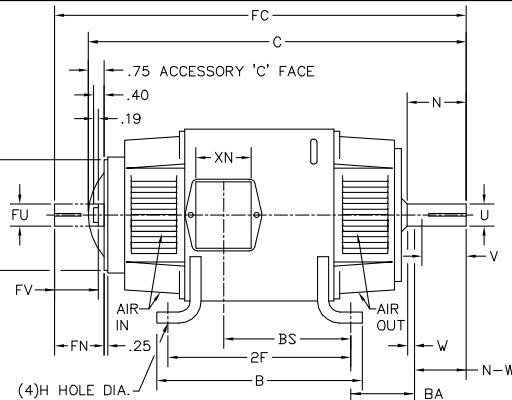
Part number	Description	Multiplier
91EP5000A01	C-FACE CONVERSION KIT FOR STOCK MTR,FR 2	P1

876-1

1/2-13UNC-2B THD X 1.00 DEEP
4-HOLES EQUALLY SPACED
ON A 7.250 DIA. B.C.



STANDARD COMM END
FOR SINGLE SHAFT EXTENSION



	FOOT MOUNTING						D.E. SHAFT EXTENSION					DRIVE KEY		ACC SHAFT			ACC KEY		FRAME							
FRAME	BA	E	2F	G	H	J	N	N-W	U	V	W	KEY-SQ.	KEY-LONG	FN	FU	FV	KEY-SQ.	KEY-LONG	A	B	C	FC	D	O	P	
218AT	3.50	4.25	10.00	.50	.406	2.00	3.00	2.75	1.375	2.50 ³	.25	.312	1.75	2.44	1.125	2.19	.250	2.25	10.38	11.00	24.25	25.93	5.25 ²	10.47	10.44	
219AT	3.50	4.25	11.00	.50	.406	2.00	3.00	2.75	1.375	2.50 ³	.25	.312	1.75	2.44	1.125	2.19	.250	2.25	10.38	12.00	25.25	26.93	5.25 ²	10.47	10.44	
2110AT	3.50	4.25	12.50	.50	.406	2.00	3.00	2.75	1.375	2.50 ³	.25	.312	1.75	2.44	1.125	2.19	.250	2.25	10.38	13.50	26.75	28.43	5.25 ²	10.47	10.44	
258AT	4.25	5.00	12.50	.69	.531	2.25	3.44	3.25	1.625	3.00 ³	.19	.375	2.31	3.33	1.375	3.08	.312	3.00	12.38	14.00	27.25	29.84	6.25 ²	12.47	12.44	
259AT	4.25	5.00	14.00	.69	.531	2.25	3.44	3.25	1.625	3.00 ³	.19	.375	2.31	3.33	1.375	3.08	.312	3.00	12.38	15.50	28.75	31.34	6.25 ²	12.47	12.44	
2510AT	4.25	5.00	16.00	.69	.531	2.25	3.44	3.25	1.625	3.00 ³	.19	.375	2.31	3.33	1.375	3.08	.312	3.00	12.38	17.56	30.75	33.34	6.25 ²	12.47	12.44	
2513AT	4.25	5.00	22.00	.69	.531	2.25	3.44	3.25	1.625	3.00 ³	.19	.375	2.31	3.33	1.375	3.08	.312	3.00	12.38	23.50	36.75	39.34	6.25 ²	12.47	12.44	

CONDUIT BOX								ARM APPROX. WK ² LBS.FT. ²	APPROXIMATE WEIGHT
FRAME	AA	AB	AC	AF	BS	XL	XN		
218AT	3/4-1	7.91	6.44	2.44	8.38	3.81	3.12	1.35	242 ⁵
219AT	3/4-1	7.91	6.44	2.44	9.38	3.81	3.12	1.49	260 ⁵
2110AT	3/4-1	7.91	6.44	2.44	10.88	3.81	3.12	1.71	286 ⁵
258AT	1 1/4	9.35	7.72	2.94	9.75	4.94	4.00	2.91	366 ⁵
259AT	1 1/4	9.35	7.72	2.94	11.25	4.94	4.00	3.31	411 ⁵
2510AT	1 1/4	9.35	7.72	2.94	13.25	4.94	4.00	3.80	471 ⁵
2513AT	1 1/4	9.35	7.72	2.94	19.25	4.94	4.00	5.27	532 ⁵

- 1) SHAFT DIAMETERS TO 1.500 TOLERANCE +.0000 -.0005
SHAFT DIAMETERS ABOVE 1.500 TOLERANCE +.0000 -.0010
SHAFT DIAMETERS TO 1.625 RUNOUT .002 T.I.R. MAX.
SHAFT DIAMETERS ABOVE 1.625 RUNOUT .003 T.I.R. MAX.
- 2) 'D' DIMENSION TOLERANCE +.000 -.060
- 3) 'V' DIMENSION IS MAX. HUB LENGTH ON SHAFT
- 4) CONDUIT BOX CAN BE ROTATED IN 90° STEPS ON ITS OWN AXIS.
- 5) TOTAL WEIGHT OF MOTOR.
- 6) ALL DIMENSIONS NOT NOTED ARE NOMINAL DIMENSIONS CONSULT
FACTORY FOR TOLERANCES.

FOR F1 OR F2 CONDUIT BOX
LOCATION SEE SALES ORDER

876-1

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

REV. DESC: REV. "D" DIM TO +.000 -.060 ONLY		
REV. LTR: B	VERSION: 01	TDR: 000000752566
FILE: \RGG\00019\505	REVISED: 09:35:03 06/20/2012	BY: RGGNAS
MTL: -		

BALDOR
DIM SHEET, 218AT-2513AT, DPGF, STD
SH 1 of 1

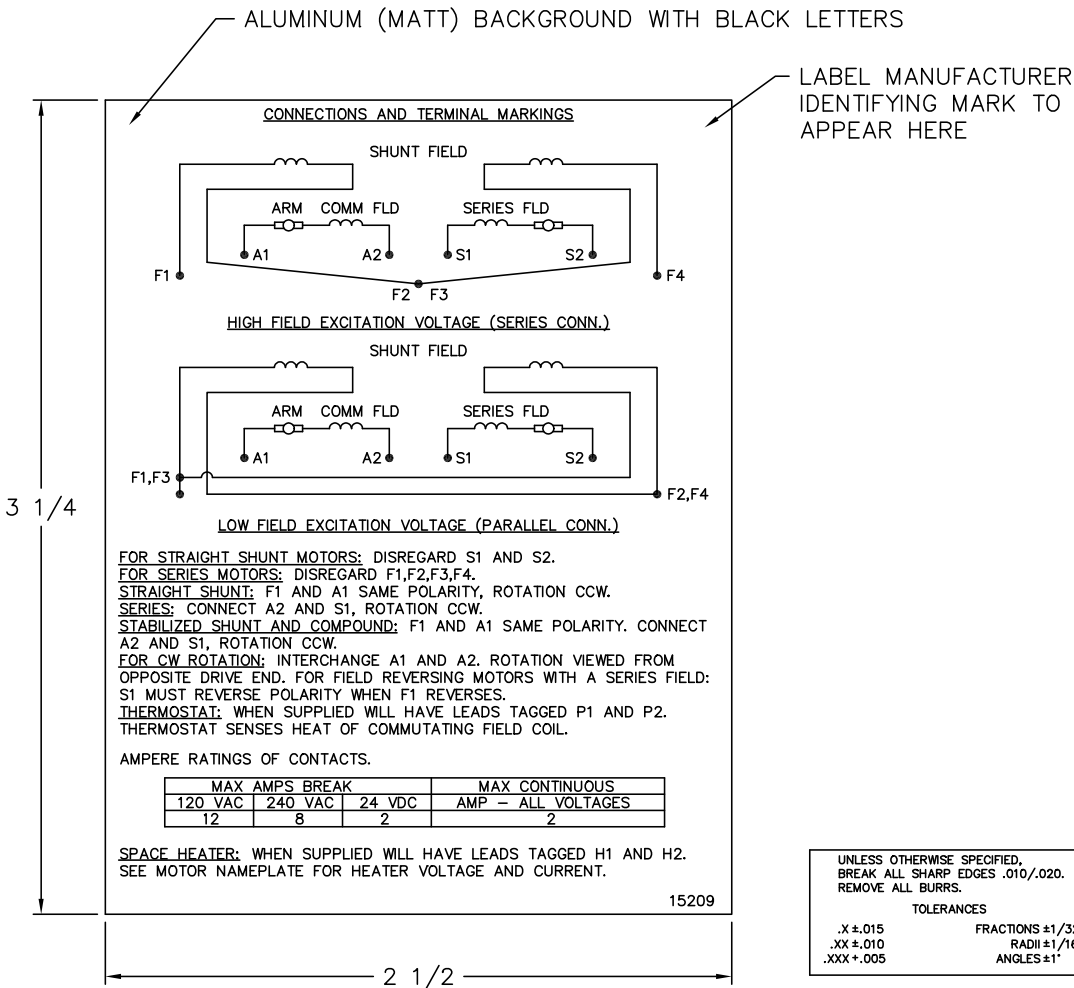
BALDOR ROUND DC ARMATURE INSULATION B/M

FRAME SIZE: **219**
VOLTS: **0-300**

CORE LENGTH: **5.62**
#SLOTS: **24**

DESCRIPTION	#PCS	SIZE (USAGE) OR PART #	PURCHASE INFO	REMARKS
SLOT LINER	24	1.38" X 5.94" (8.2IN2)	612769207BB	4824-10-CX (.015")
TOP STICK	24	6.13" (.51')	4175320005BB	AY482409011 (24-21-15)
SHAFT INSULATION	2	NA	418020001B	4824-10-CX (.007")
COMMUTATOR INSULATION	NA	8.00"	MH1094A03	"GOLD TAPE"
NOMEX/GLASS CLOTH	NA	12.00"	FH482410150	4824-10FH
SLEEVING	NA	NA	NA	4824-13AW
			424503-002K	

15209



NOTE:
MATERIAL .005 MINIMUM FULL HARD ALUMINUM DULL FINISH.
TEMP. RANGE -20°C TO +125°C MAXIMUM.
FOR INDOOR AND OUTDOOR MOUNTING BACK.
METAL, PRESSURE SENSITIVE BACK. MUST MEET CSA STANDARD.
THE CSA IDENTIFYING MARK OF THE LABEL MANUFACTURER MUST APPEAR IN THE UPPER RIGHT HAND CORNER AS INDICATED.

15209

MATL: NOTED			
REV:	G	CHANGE ALL "NAMEPLATE" TEXT TO "LABEL"	
60Z91		SCALE: —	BY: BKW
		FILE: CHB00002485	REVISED: 02/19/97
		TDR: 0115147	

BALDOR ELECTRIC Co.

LABEL, CONNECTIONS AND TERMINAL MARKINGS DC