

# **ABB BALDOR RELIANCE III**



## **Customer information packet** D2010P

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

**Specifications**

<b>Armature Voltage</b>	240 V
<b>Base Speed</b>	1750 rpm
<b>Enclosure</b>	DPFG
<b>Field Voltage</b>	150 V
	300 V
<b>Output Power</b>	10.000 HP
<b>Agency Approvals</b>	CSA
<b>Ambient Temperature</b>	40 °C
<b>Armature Current</b>	36.6 a
<b>Drip Cover</b>	No Drip Cover
<b>Duty Rating</b>	CONT
<b>Feedback Device</b>	NO FEEDBACK
<b>Field Winding Type</b>	STR. SHUNT
<b>Heater Indicator</b>	No Heater
<b>Insulation Class</b>	F
<b>Lifting Lugs</b>	Standard Lifting Lugs
<b>Motor Standards</b>	NEMA
<b>Mounting Arrangement</b>	F1
<b>Overall Length</b>	25.25 IN
<b>Service Factor</b>	1.00
<b>Shaft Diameter</b>	1.375 IN
<b>Shaft Ground Indicator</b>	No Shaft Grounding
<b>Shaft Slinger Indicator</b>	No Slinger
<b>Thermal Device - Bearing</b>	None

**Part Detail**

<b>Revision</b>	-
<b>Type</b>	DC
<b>Mech. spec.</b>	
<b>Base</b>	
<b>Status</b>	PRD/A
<b>Elec. spec.</b>	K0018A A
<b>Layout</b>	876-1
<b>Eff. date</b>	12-09-2019
<b>CD Diagram</b>	15209
<b>Poles</b>	00
<b>Leads</b>	
<b>Proprietary</b>	False
<b>Created date</b>	12-03-2019

**Nameplate**

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

**Accessories**

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

876-11-9-8

FRAME	FOOT MOUNTING						D.E. SHAFT EXTENSION						DRIVE KEY		ACC SHAFT		ACC KEY		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 <sup>3</sup>	.25	.312	1.75	2.44	1.125	2.19	.250	2.25	10.38	11.00	24.25	25.93	5.25 <sup>2</sup>	10.47	10.44
219AT	3.50	4.25	11.00	.50	.406	2.00	3.00	2.75	1.375	2.50 <sup>3</sup>	.25	.312	1.75	2.44	1.125	2.19	.250	2.25	10.38	12.00	25.25	26.93	5.25 <sup>2</sup>	10.47	10.44
2110AT	3.50	4.25	12.50	.50	.406	2.00	3.00	2.75	1.375	2.50 <sup>3</sup>	.25	.312	1.75	2.44	1.125	2.19	.250	2.25	10.38	13.50	26.75	28.43	5.25 <sup>2</sup>	10.47	10.44
258AT	4.25	5.00	12.50	.69	.531	2.25	3.44	3.25	1.625	3.00 <sup>3</sup>	.19	.375	2.31	3.33	1.375	3.08	.312	3.00	12.38	14.00	27.25	29.84	6.25 <sup>2</sup>	12.47	12.44
259AT	4.25	5.00	14.00	.69	.531	2.25	3.44	3.25	1.625	3.00 <sup>3</sup>	.19	.375	2.31	3.33	1.375	3.08	.312	3.00	12.38	15.50	28.75	31.34	6.25 <sup>2</sup>	12.47	12.44
2510AT	4.25	5.00	16.00	.69	.531	2.25	3.44	3.25	1.625	3.00 <sup>3</sup>	.19	.375	2.31	3.33	1.375	3.08	.312	3.00	12.38	17.56	30.75	33.34	6.25 <sup>2</sup>	12.47	12.44
2513AT	4.25	5.00	22.00	.69	.531	2.25	3.44	3.25	1.625	3.00 <sup>3</sup>	.19	.375	2.31	3.33	1.375	3.08	.312	3.00	12.38	23.50	36.75	39.34	6.25 <sup>2</sup>	12.47	12.44

FRAME	CONDUIT BOX						ARM APPROX. WK <sup>2</sup> LBS.FT. <sup>2</sup>	APPROXIMATE WEIGHT	
	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 <sup>5</sup>
219AT	3/4-1	7.91	6.44	2.44	9.38	3.81	3.12	1.49	260 <sup>5</sup>
2110AT	3/4-1	7.91	6.44	2.44	10.88	3.81	3.12	1.71	286 <sup>5</sup>
258AT	1 1/4	9.35	7.72	2.94	9.75	4.94	4.00	2.91	366 <sup>5</sup>
259AT	1 1/4	9.35	7.72	2.94	11.25	4.94	4.00	3.31	411 <sup>5</sup>
2510AT	1 1/4	9.35	7.72	2.94	13.25	4.94	4.00	3.80	471 <sup>5</sup>
2513AT	1 1/4	9.35	7.72	2.94	19.25	4.94	4.00	5.27	532 <sup>5</sup>

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

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	VERSION: 01	TDR: 000000752566
REV. LTR: B	REVISED: 09: 35: 03 06/20/2012	BY: RGNAS
MTL: -		

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

**BALDOR ROUND DC ARMATURE INSULATION B/M**

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

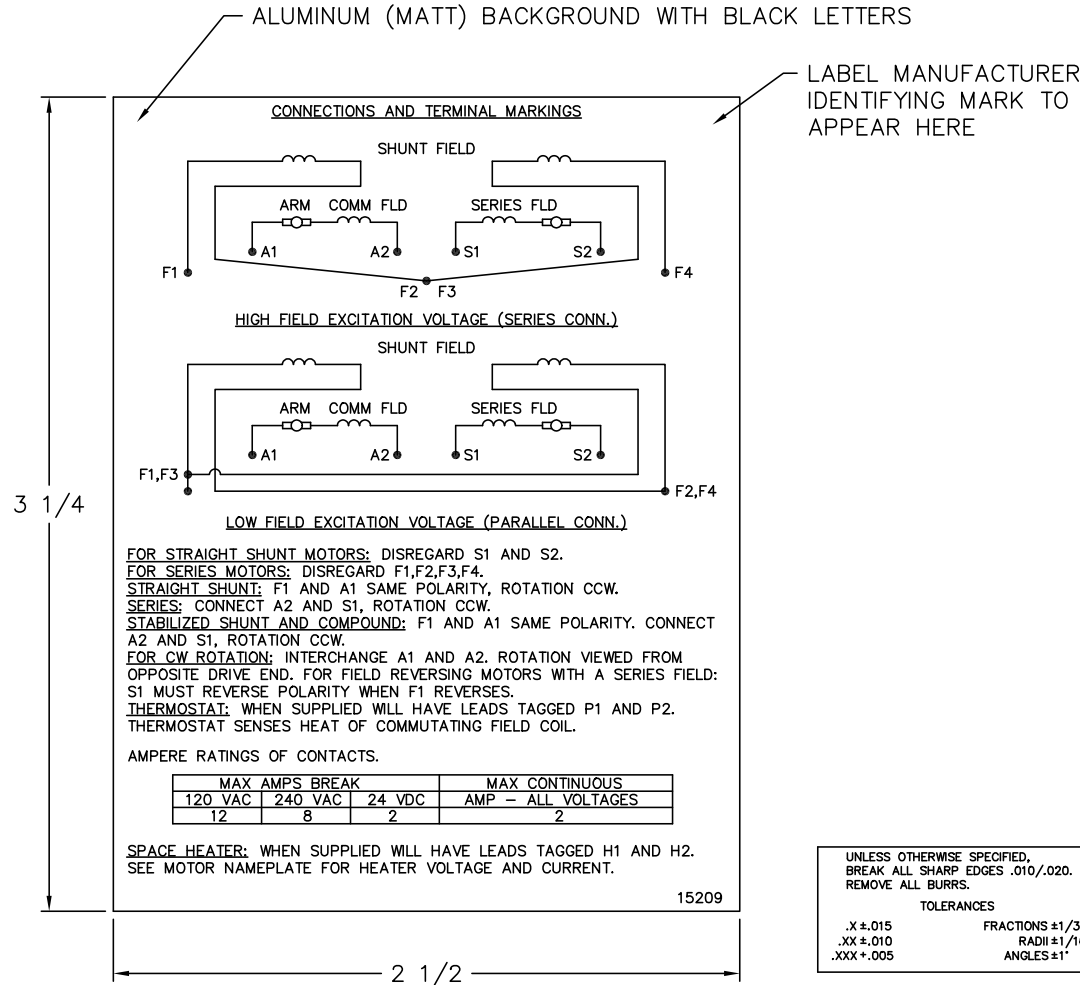
CORE LENGTH: **5.62**  
#SLOTS: **24**

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.

UNLESS OTHERWISE SPECIFIED, BREAK ALL SHARP EDGES .010/.020. REMOVE ALL BURRS.

**TOLERANCES**

.X ±.015      FRACTIONS ±1/32  
 .XX ±.010      RADII ±1/16  
 .XXX ±.005      ANGLES ±1°

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