ABB BALDOR RELIANCE

Customer information packet

CD2010P-2

0219ATC, 10HP, 1750RPM, 240, 120, DPFG, F1

Copyright © All product information within this document is subject to ABB Motors and Mechanical Inc. copyright © protection, unless otherwise noted.
11/15/2026 5:11:19 AM

Specifications

Armature Voltage	240 V
Base Speed	1750 rpm
Enclosure	DPFG
Field Voltage	120 V
	240 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	26.93 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

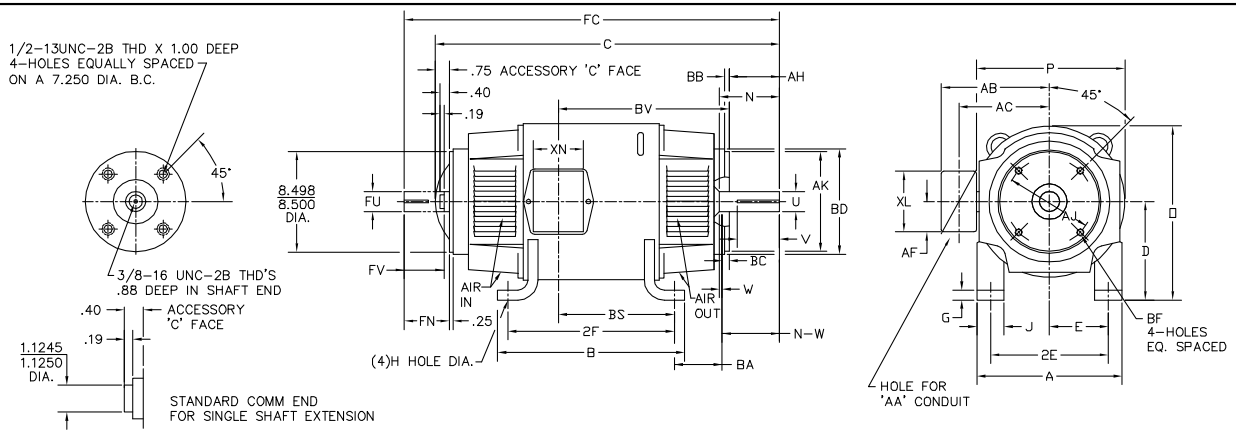
Part Detail

Revision	-
Type	DC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	K0018B A
Layout	880-1
Eff. date	01-02-2020
CD Diagram	15209
Poles	00
Leads	
Proprietary	False
Created date	12-20-2019

Nameplate

NP1734									
CAT.NO.	CD2010P-2			**MODEL**	T21S8008				
HP	10	**RPM**	1750/2300		**FRAME**	0219ATC			
ARM V	240	**ARM A**	36.60		**WOUND**	STR. SHUNT			
FLD V	120/240	**FLD A**	2.52-1.40/1.26-.70						
CONN		**OHMS**	133.2		**CL**	F			
ENCL	DPFG	**DUTY**	CONT		**MX AMB**	40			
P CODE	D	**CTSR**			**SER.F.**	1.0			
S/N			**E/S**	K0018B A					
	-								
O.D.E. BRG.	6207	**D.E. BRG.**	6207		**BRUSH**	150986-21-1	**QTY**	2	

880-1



	FOOT MOUNTING						D.E. SHAFT EXTENSION												DRIVE KEY		ACC SHAFT EXTENSION			ACC KEY	
FRAME	BA	E	2F	G	H	J	AH	AJ	AK	BB MIN	BC	BD	BF THREAD	BF DEEP	N	N-W	U	V	W	KEY-SQ.	KEY-LONG	FN	FU	FV	KEY-SQ.	KEY-LONG
218ATC	3.50	4.25	10.00	.50	.406	2.00	2.50	7.250	8.500[2]	.24	.25	8.75	1/2-13	1.00	3.00	2.75	1.375	2.50[4]	.25	.312	1.75	2.44	1.125	2.19	.250	2.25
219ATC	3.50	4.25	11.00	.50	.406	2.00	2.50	7.250	8.500[2]	.24	.25	8.75	1/2-13	1.00	3.00	2.75	1.375	2.50[4]	.25	.312	1.75	2.44	1.125	2.19	.250	2.25
2110ATC	3.50	4.25	12.50	.50	.406	2.00	2.50	7.250	8.500[2]	.24	.25	8.75	1/2-13	1.00	3.00	2.75	1.375	2.50[4]	.25	.312	1.75	2.44	1.125	2.19	.250	2.25
258ATC	4.25	5.00	12.50	.69	.531	2.25	3.00	7.250	8.500[2]	.27	.25	8.75	1/2-13	.97	3.44	3.25	1.625	3.00[4]	.19	.375	2.31	3.33	1.375	3.08	.312	3.00
259ATC	4.25	5.00	14.00	.69	.531	2.25	3.00	7.250	8.500[2]	.27	.25	8.75	1/2-13	.97	3.44	3.25	1.625	3.00[4]	.19	.375	2.31	3.33	1.375	3.08	.312	3.00
2510ATC	4.25	5.00	16.00	.69	.531	2.25	3.00	7.250	8.500[2]	.27	.25	8.75	1/2-13	.97	3.44	3.25	1.625	3.00[4]	.19	.375	2.31	3.33	1.375	3.08	.312	3.00
2513ATC	4.25	5.00	22.00	.69	.531	2.25	3.00	7.250	8.500[2]	.27	.25	8.75	1/2-13	.97	3.44	3.25	1.625	3.00[4]	.19	.375	2.31	3.33	1.375	3.08	.312	3.00

	FRAME							CONDUIT BOX								ARM APPROX. WK² LBS.FT.²	APPROXIMATE WEIGHT
FRAME	A	B	C	FC	D	O	P	AA	AB	AC	AF	BS	BV	XL	XN		
218ATC	10.38	11.00	24.25	25.93	5.25[3]	10.47	10.44	3/4-1	7.91	6.44	2.44	8.38	12.13	3.81	3.12	1.35	245
219ATC	10.38	12.00	25.25	26.93	5.25[3]	10.47	10.44	3/4-1	7.91	6.44	2.44	9.38	13.13	3.81	3.12	1.49	263
2110ATC	10.38	13.50	26.75	28.43	5.25[3]	10.47	10.44	3/4-1	7.91	6.44	2.44	10.88	14.63	3.81	3.12	1.71	291
258ATC	12.38	14.00	27.25	29.84	6.25[3]	12.47	12.44	1 1/4	9.35	7.72	2.94	9.75	14.25	4.94	4.00	2.91	377
259ATC	12.38	15.50	28.75	31.34	6.25[3]	12.47	12.44	1 1/4	9.35	7.72	2.94	11.25	15.75	4.94	4.00	3.31	422
2510ATC	12.38	17.56	30.75	33.34	6.25[3]	12.47	12.44	1 1/4	9.35	7.72	2.94	13.25	17.75	4.94	4.00	3.80	482
2513ATC	12.38	23.50	36.75	39.34	6.25[3]	12.47	12.44	1 1/4	9.35	7.72	2.94	19.25	19.75	4.94	4.00	5.27	531

FOR F1 OR F2 CONDUIT BOX
LOCATION SEE SALES ORDER

1) SHAFT DIAMETERS TO 1.500 TOLERANCE +.000 -.0005
SHAFT DIAMETERS ABOVE 1.500 TOLERANCE +.000 -.0010
SHAFT DIAMETERS TO 1.625 RUNOUT .002 T.I.R. MAX.
SHAFT DIAMETERS ABOVE 1.625 RUNOUT .003 T.I.R. MAX.
2) 'AK' DIMENSION UNDER 12.000 – DIAMETER TOLERANCE + .000 – .003
CONCENTRIC WITH SHAFT .004 T.I.R. MAX.
FACE RUNOUT WITHSHAFT .004 T.I.R. MAX.
'AK' DIMENSION 12.0 & OVER – DIAMETER TOLERANCE +.000 –.005
CONCENTRIC WITH SHAFT .007 T.I.R. MAX.
FACE RUNOUT WITH SHAFT .007 T.I.R. MAX.
3) 'D' DIMENSION TOLERANCE +.000 –.060
4) 'V' DIMENSION IS MAX. HUB LENGTH ON SHAFT
5) CONDUIT BOX CAN BE ROTATED IN 90° STEPS ON ITS OWN AXIS.
6) ALL DIMENSIONS NOT NOTED ARE NOMINAL DIMENSIONS CONSULT FACTORY FOR TOLERANCES.

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		BALDOR
REV. LTR: B	VERSION: 01	TDR: 000000752566
FILE: \RGG\00019\509	REVISED: 10:47:40 06/20/2012	BY: RGGNAS
MTL: –		DIM SHEET SH 1 of 1

BALDOR ROUND DC ARMATURE INSULATION B/M

FRAME SIZE: **219** CORE LENGTH: **5.62**
VOLTS: **0-300** #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
BALDOR BALDOR · DODGE · RELIANCE			**424503-002K**	

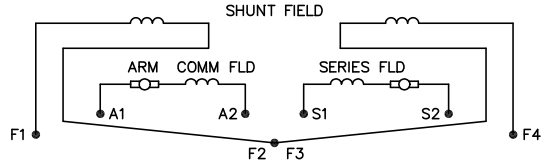
15209

ALUMINUM (MATT) BACKGROUND WITH BLACK LETTERS

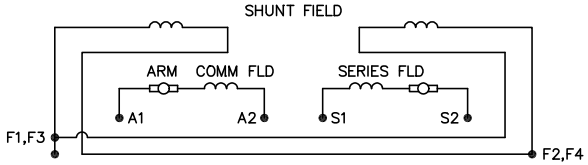
LABEL MANUFACTURER IDENTIFYING MARK TO APPEAR HERE

3 1/4

CONNECTIONS AND TERMINAL MARKINGS



HIGH FIELD EXCITATION VOLTAGE (SERIES CONN.)



LOW FIELD EXCITATION VOLTAGE (PARALLEL CONN.)

FOR STRAIGHT SHUNT MOTORS: DISREGARD S1 AND S2.
FOR SERIES MOTORS: DISREGARD F1,F2,F3,F4.
STRAIGHT SHUNT: F1 AND A1 SAME POLARITY, ROTATION CCW.
SERIES: CONNECT A2 AND S1, ROTATION CCW.
STABILIZED SHUNT AND COMPOUND: F1 AND A1 SAME POLARITY. CONNECT A2 AND S1, ROTATION CCW.
FOR CW ROTATION: INTERCHANGE A1 AND A2. ROTATION VIEWED FROM OPPOSITE DRIVE END. FOR FIELD REVERSING MOTORS WITH A SERIES FIELD: S1 MUST REVERSE POLARITY WHEN F1 REVERSES.
THERMOSTAT: WHEN SUPPLIED WILL HAVE LEADS TAGGED P1 AND P2. THERMOSTAT SENSES HEAT OF COMMUTATING FIELD COIL.

AMPERE RATINGS OF CONTACTS.

MAX AMPS BREAK			MAX CONTINUOUS
120 VAC	240 VAC	24 VDC	AMP – ALL VOLTAGES
12	8	2	2

SPACE HEATER: WHEN SUPPLIED WILL HAVE LEADS TAGGED H1 AND H2. SEE MOTOR NAMEPLATE FOR HEATER VOLTAGE AND CURRENT.

15209

2 1/2

NOTE:
MATERIAL .005 MINUMUM 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 INDENTIFYING 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				BALDOR ELECTRIC Co.
REV:	G	CHANGE ALL "NAMEPLATE" TEXT TO "LABEL"		
15209	SCALE: –	BY: BKW	REVISED: 02/19/97	LABEL, CONNECTIONS AND TERMINAL MARKINGS DC
	FILE: CHB00002485		TDR: 0115147	