ABB BALDOR RELIANCE

Customer information packet

CD2007P-2

7.5HP, 1750/2300RPM, DC, 1810ATC, DPFG, TOD

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Specifications

Armature Voltage	240 V
Base Speed	1750 rpm
Enclosure	DPFG
Field Voltage	120 V
	240 V
Frame	1810ATC
Output Power	7.500 HP
Agency Approvals	CSA
Ambient Temperature	40 °C
Armature Current	27.8 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	F3
Overall Length	23.78 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

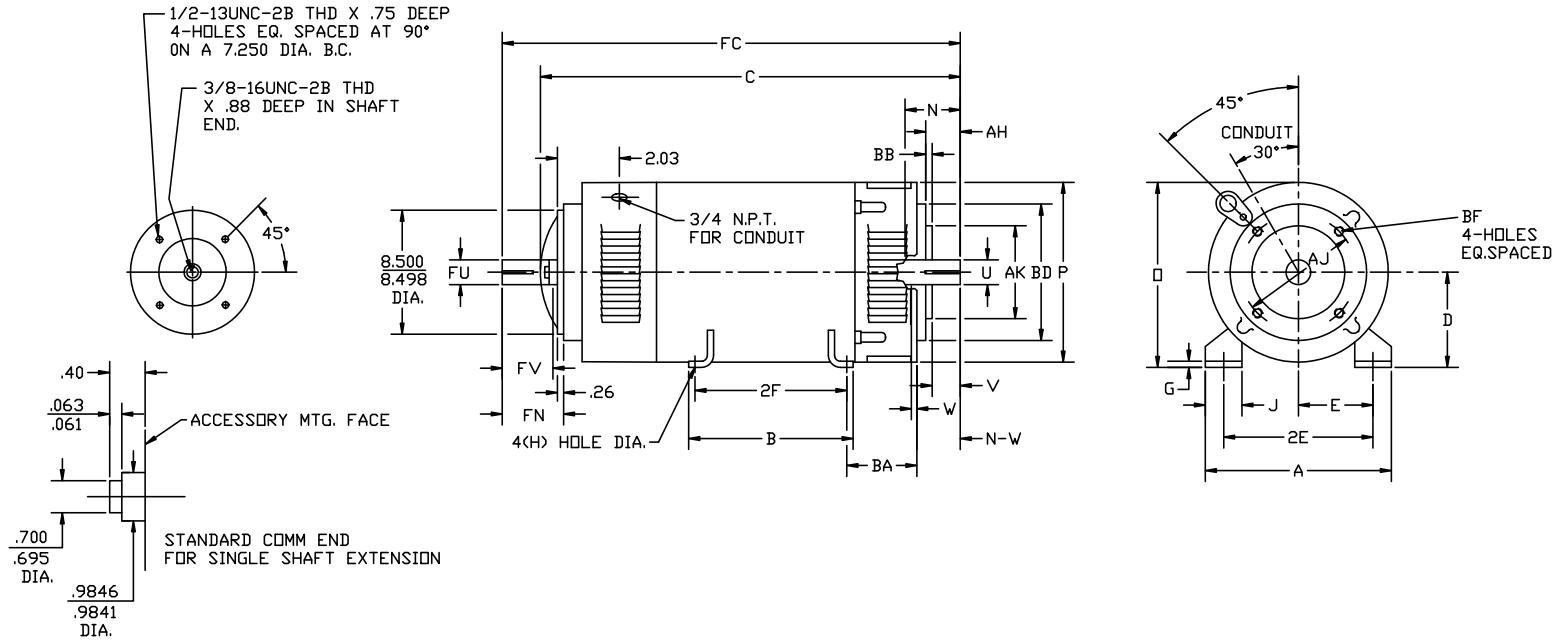
Revision	-
Type	DC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	K0009B A
Layout	879
Eff. date	12-26-2019
CD Diagram	15209
Poles	00
Leads	
Proprietary	False
Created date	12-26-2019

Nameplate

NP1734											
CAT.NO.				**MODEL**	T18S8010						
HP	7.5	**RPM**	1750/2300		**FRAME**	1810ATC					
ARM V	240	**ARM A**		27.80	**WOUND**	STR. SHUNT					
FLD V	120/240	**FLD A**	1.18-.60/.59-.30								
CONN		**OHMS**	294.		**CL**	F					
ENCL	DPFG	**DUTY**	CONT		**MX AMB**	40					
P CODE	D	**CTSR**			**SER.F.**	1.0					
S/N			**E/S**	K0009B A							
	-										
O.D.E. BRG.	6205	**D.E. BRG.**	6206		**BRUSH**	18044-4	**QTY**	2			

CUSTOMER NAME	MODEL NO.			MTG.	REMARKS:
CUSTOMER P.O.	FRAME	R.P.M.	VOLTS	PHASE	INSUL
CERTIFIED BY DATE	H.P.	TYPE	ENCL	FREQ.	AMB.

UNITS: INCH	SCALE: NONE	PROPORTION: NONE	PART NUMBER 879	DWG.SIZE A



	FOOT MOUNTING						D.E. SHAFT EXTENSION												DRIVE KEY		ACC SHAFT EXTENSION			ACC KEY	
FRAME	BA	E	2F	G	H	J	AH	AJ	AK	BB MAX	BD	BF THREAD	BF DEEP	N	N-W	U	V	W	KEY-SQ.	KEY-LONG	FN	FU	FV	KEY-SQ.	KEY-LONG
L182ATC	2.75	3.75	4.50	.38	.406	1.50	2.125	7.250	8.500[2]	.25	8.69	1/2-13	.750	2.90	2.77	1.125	2.125[4]	.13	.25	1.38	2.28	.875	2.03	.188	1.38
L186ATC	2.75	3.75	7.00	.38	.406	1.50	2.125	7.250	8.500[2]	.25	8.69	1/2-13	.750	2.90	2.77	1.125	2.125[4]	.13	.25	1.38	2.28	.875	2.03	.188	1.38
1810ATC	2.75	3.75	11.00	.38	.406	1.50	2.125	7.250	8.500[2]	.25	8.69	1/2-13	.750	2.90	2.77	1.125	2.125[4]	.13	.25	1.38	2.28	.875	2.03	.188	1.38

	FRAME							ARM APPROX. WK^2 LBS.FT.^{2}	APPROXIMATE WEIGHT
FRAME	A	B	C	FC	D	O	P		
L182ATC	8.81	5.75	15.82	17.37	4.50[3]	8.94	8.88	.28	89
L186ATC	8.81	8.25	19.33	20.87	4.50[3]	8.94	8.88	.67	164
1810ATC	8.81	12.25	22.21	23.78	4.50[3]	9.00	9.00	1.0	200

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 −.030
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.

FOR F1 OR F2 CONDUIT BOX LOCATION SEE SALES ORDER

REV.	ECO.	DESCRIPTION	BY	DATE
A	19032	REDRAWN	CSL	7-19 1991

DESIGNER	ENGINEER	ENGINEER	MANUF.
CSL 7-19-91	RFL 7-19-91	DAG 7-19-91	RWT 7-19-91

BALDOR

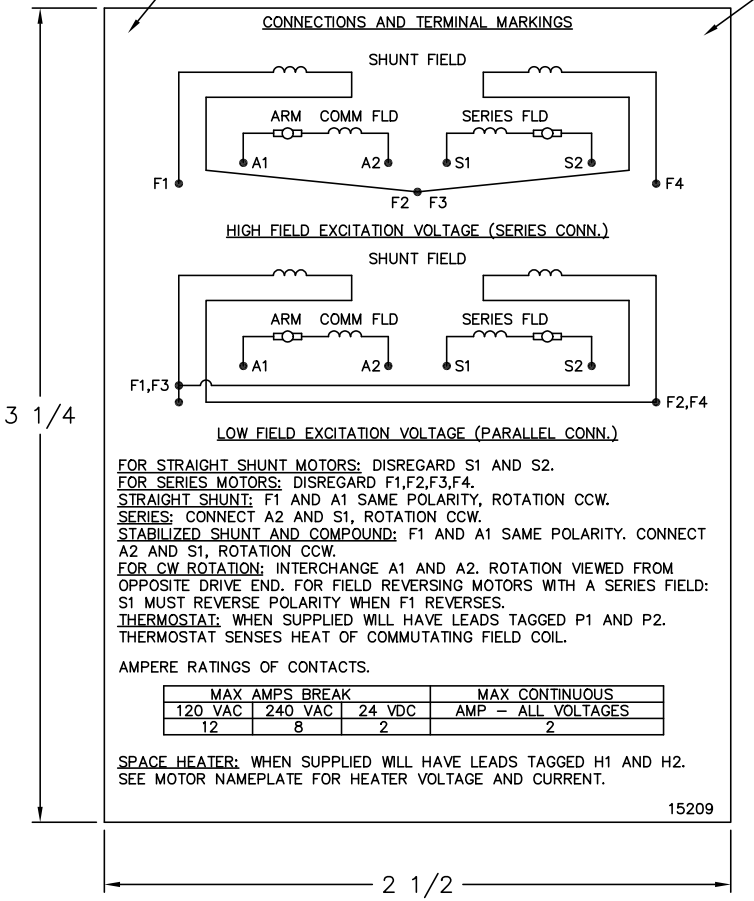
TITLE: DIMENSION SHEET
DPFG, STD ATC
8 1/2 DIA. PILOT

PART NUMBER	DWG.SIZE	REV.
879	A	A

15209

ALUMINUM (MATT) BACKGROUND WITH BLACK LETTERS

LABEL MANUFACTURER IDENTIFYING MARK TO APPEAR HERE



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.

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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°

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	

15209