

ABB BALDOR RELIANCE III

Customer information packet CD2007P-2

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

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

Parts List

Part number	Description	Quantity
SA377438	SA T18S8010	1.000 ea
AA018256	AA T18S8010	1.000 ea
036170004DA	DRSCW METRIC NAMEPLATE	4.000 ea
NP1734	NPL,BALDOR DC MTR ALUMINUM	1.000 ea
ME3002A06	COMMUTATOR ISOLATOR FOR 18043 COMM	1.000 ea
032018004AK	HHCS 1/4-20X1/2 PLATED	2.000 ea
034017012AB	LCKW 1/4 STD. PLATED 034017012AF	2.000 ea
034000012AB	WSHR 1/4 STD. PLATED	2.000 ea
18006	BRUSH ROCKER ASSY FRAME 180SERIES	1.000 ea
18044-4	BRUSH, (2PC SET) GR.E41,210 SER.SGL	2.000 ea
18082-2	ODE BRKT MACH,FR 180,RELUBE BRG	1.000 ea
18412-2	FE BRKT MACH FR 180 'C' FACE W/LU	1.000 ea
004824015A	GREASE POLYREX EM	0.100 lb
032130008BA	5/16-18 X 1.0 HSHCS	4.000 ea
032130008BA	5/16-18 X 1.0 HSHCS	4.000 ea
032126012JA	HSHCS (UNPLATED)	3.000 ea
150346	GREASE RELIEF FIT.,3/8"D ALEMITE #321839	1.000 ea
150346	GREASE RELIEF FIT.,3/8"D ALEMITE #321839	1.000 ea
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 ea
035000001A	ALFTG 1/8" 1610-BL	1.000 ea
035000001A	ALFTG 1/8" 1610-BL	1.000 ea
15490	LIFTING LUG,180 FRAME	2.000 ea
150449-25	T BOX GRD STUD ARG 1/4 20 DIA. STUD	1.000 ea
WD4100A34	CAPLUG IN T-SERIES T12	1.000 ea
032018006DK	HHCS 1/2-13X3/4 PLATED	4.000 ea
18027	GASKET,ACCESS CVR,FR.180 3/32 THK DC205(	2.000 ea
18026	GASKET,T BOX COVER,FR.1803/32 THK CORK/N	1.000 ea
032018004AK	HHCS 1/4-20X1/2 PLATED	6.000 ea
18019-1	TERM BOX COVER MACH FRAME 180 SERIES	1.000 ea
18020	BRUSH VENT COVER FR 18 SERIES #18 GA ST	1.000 ea
18020	BRUSH VENT COVER FR 18 SERIES #18 GA ST	1.000 ea

15209	LABEL CONNECTIONS & TERMINAL MARKIN	1.000 ea
15021-1	ACCESSORY FACE COVER FRAME 180-500 SERIE	1.000 ea
034180011DA	1/4 SQ X 1.375 KEY	1.000 ea
004824007BTW	SPECIAL PAINT4824-3BVZ	0.100 ea

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

UNITS: INCH	SCALE: NONE	PROPORTION: NONE	PART NUMBER 879	DWG. SIZE A
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FRAME	FOOT MOUNTING						D.E. SHAFT EXTENSION												DRIVE KEY		ACC SHAFT EXTENSION			ACC KEY	
	BA	E	2F	G	H	J	AH	AJ	AK	BB MAX	BD	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	FRAME						ARM APPROX. WK ² LBS.FT. ²	APPROXIMATE WEIGHT	
	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 WITH SHAFT .004 T.I.R. MAX.
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

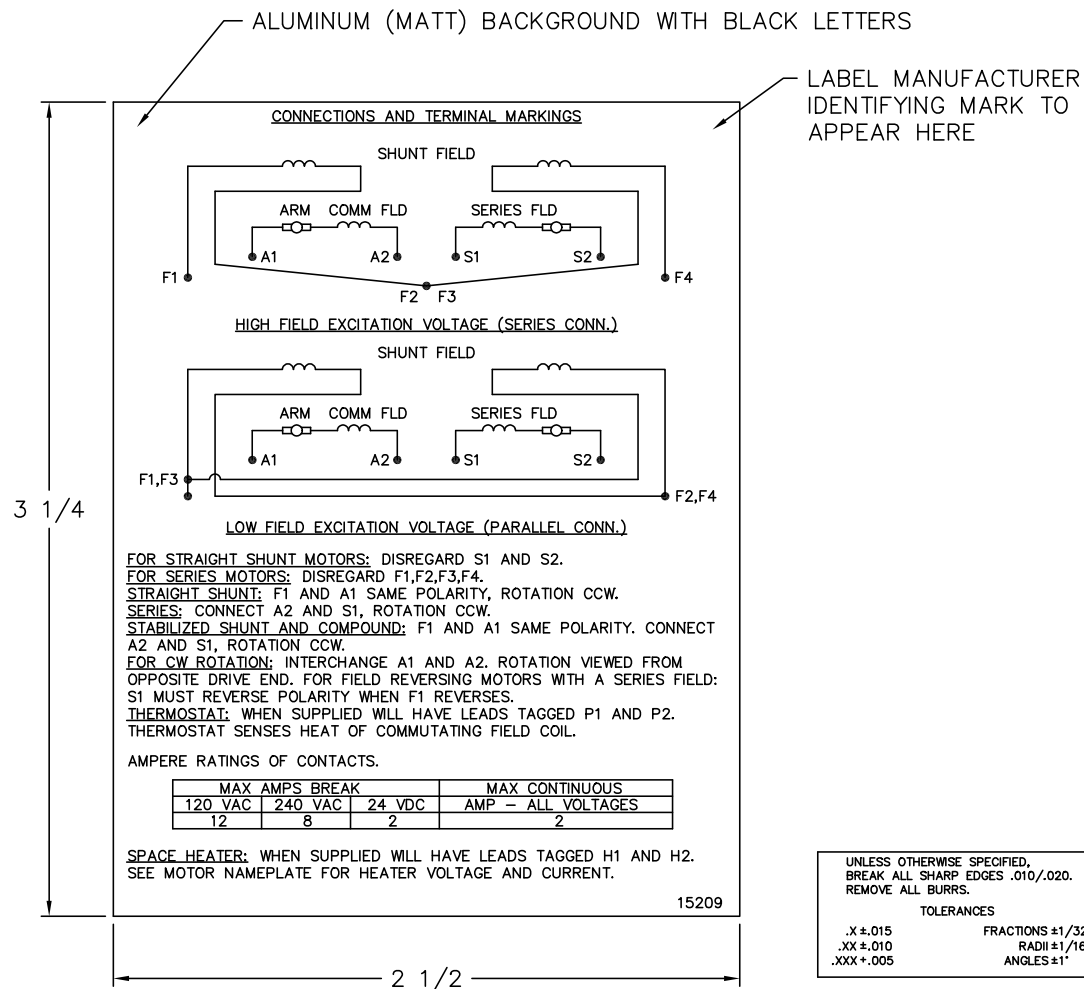
5) CONDUIT BOX CAN BE ROTATED IN 90° STEPS ON ITS OWN AXIS.

6) ALL DIMENSIONS NOT NOTED ARE NOMINAL DIMENSIONS CONSULT FACTORY FOR TOLERANCES.

FOR F1 OR F2 CONDUIT BOX LOCATION SEE SALES ORDER

DESIGNER CSL 7-19-91		BALDOR
ENGINEER RFL 7-19-91		
ENGINEER DAC 7-19-91		
MANUF. RWT 7-19-91		
TITLE: DIMENSION SHEET DPFG, STD ATC 8 1/2 DIA. PILOT		
PART NUMBER 879		DWG. SIZE A
REV. ECO.		REV. A

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	REVISED: 02/19/97
	FILE: CHB00002485		TDR: 0115147

BALDOR ELECTRIC Co.

LABEL, CONNECTIONS AND TERMINAL MARKINGS DC