

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

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.

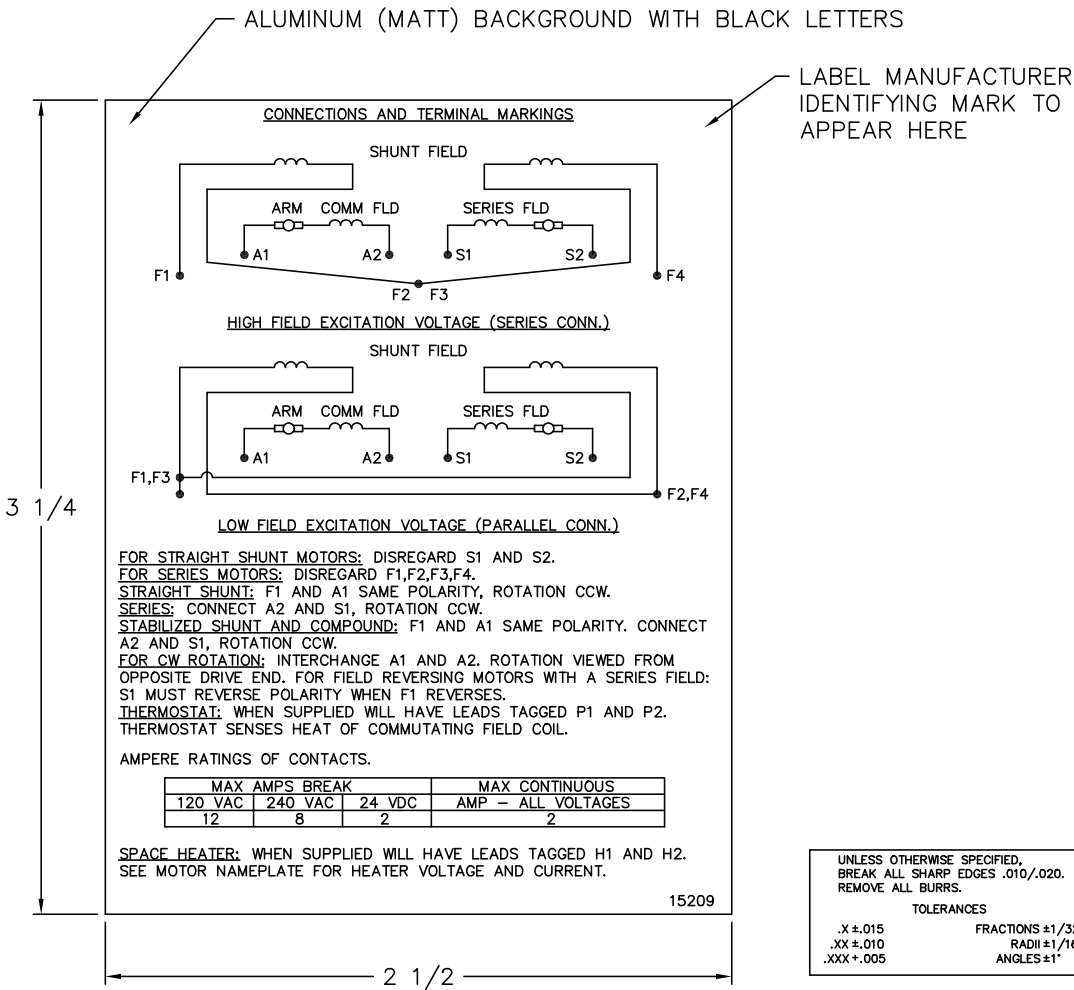
6) ALL DIMENSIONS NOT NOTED ARE NOMINAL DIMENSIONS CONSULT FACTORY FOR TOLERANCES.

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	

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

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.

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

BALDOR ELECTRIC Co.

LABEL, CONNECTIONS AND TERMINAL MARKINGS DC

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