

ABB BALDOR RELIANCE III

Customer information packet CD2005P-2

5HP, 1750/2300RPM, DC, L186ATC, DPF, TOD

Specifications

Armature Voltage	240 V
Base Speed	1750 rpm
Enclosure	DPFG
Field Voltage	120 V
	240 V
Output Power	5.000 HP
Agency Approvals	CSA
Ambient Temperature	40 °C
Armature Current	17.7 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	20.87 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

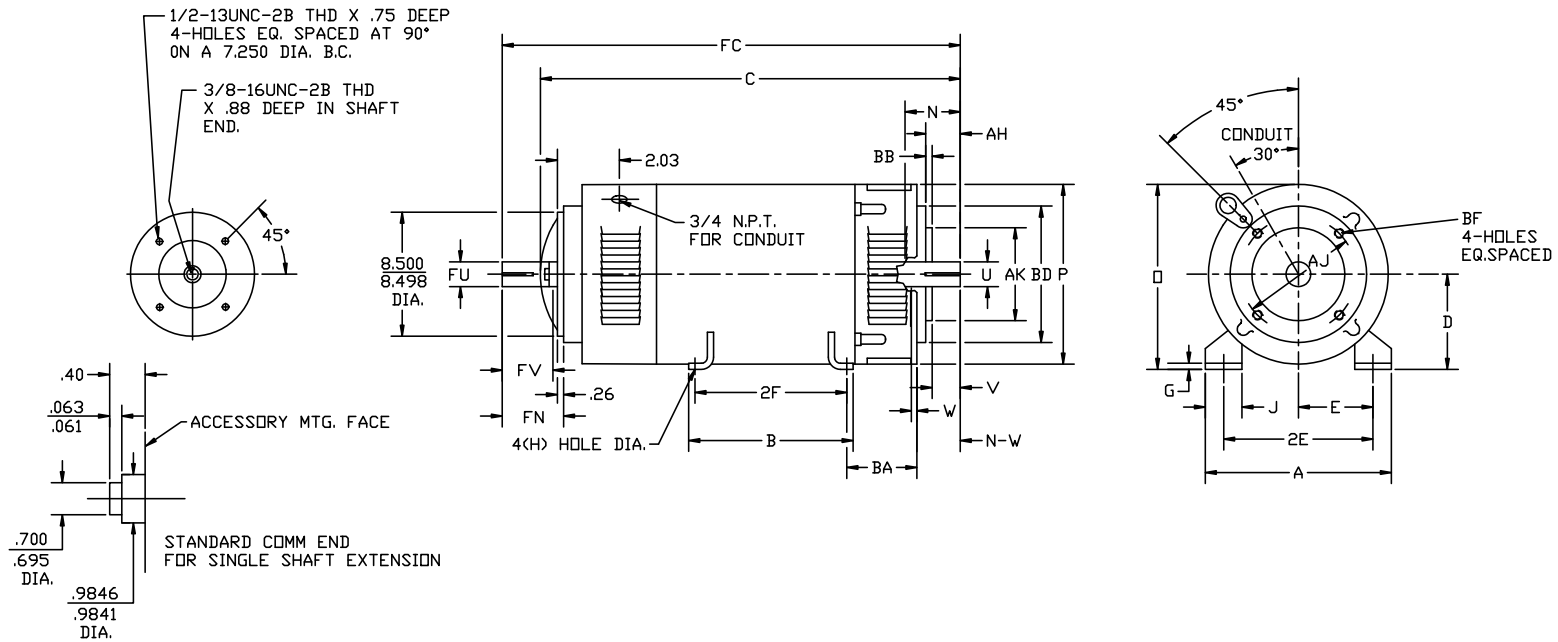
Revision	-
Type	DC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	K0010A A
Layout	879
Eff. date	12-26-2019
CD Diagram	15209
Poles	00
Leads	
Proprietary	False
Created date	12-26-2019

Nameplate

NP1734						
CAT.NO.	CD2005P-2	MODEL	T18S8009			
HP	5	RPM	1750/2300	FRAME	L 0186ATC	
ARM V	240	ARM A	17.70	WOUND	STR. SHUNT	
FLD V	120/240	FLD A	.96-.48/.48-.24			
CONN		OHMS	366.	CL	F	
ENCL	DPFG	DUTY	CONT	MX AMB	40	
P CODE	D	CTSR		SER.F.	1.0	
S/N		E/S	K0010A 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
----------------	----------------	---------------------	-------------	-----	-----------	---



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 WITHSHAFT .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
ENGINEER
RFI
7-19-91
ENGINEER
DAC
7-19-91
MANUF.
RWT
7-19-91

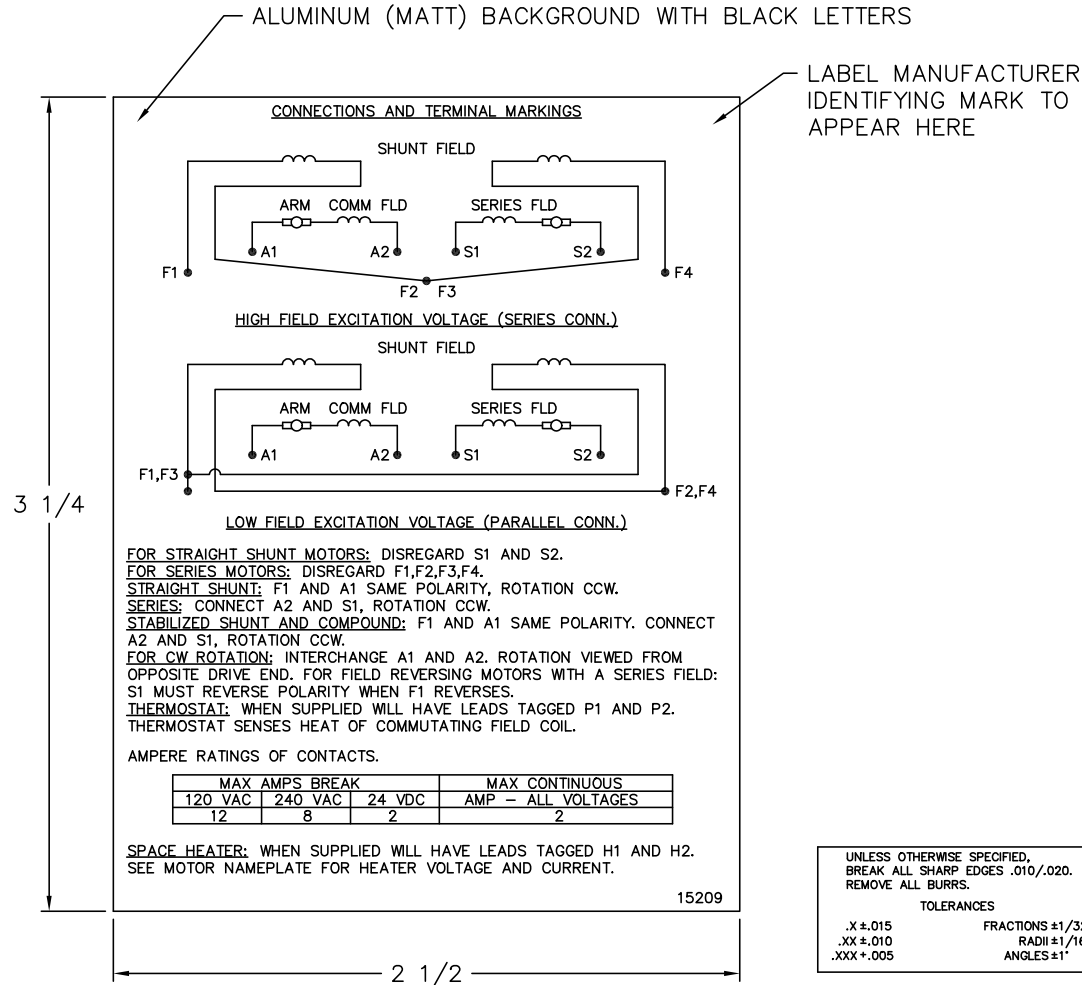
BALDOR

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

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

PART NUMBER	DWG. SIZE	REV.
879	A	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.

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