

ABB BALDOR RELIANCE III

Customer information packet

CD2003P-2

L 0186ATC, 3HP, 1750RPM, 240, 120, DPFG, F3

Specifications

Armature Voltage	240 V
Base Speed	1750 rpm
Enclosure	DPFG
Field Voltage	120 V
	240 V
Output Power	3.000 HP
Agency Approvals	CSA
Ambient Temperature	40 °C
Armature Current	10.6 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	F3
Overall Length	19.33 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.	K0011A A
Layout	879
Eff. date	12-04-2019
CD Diagram	15209
Poles	00
Leads	
Proprietary	False
Created date	11-26-2019

Nameplate

NP1734									
CAT.NO.				MODEL	T18S8008				
HP	3	RPM	1750/2300		FRAME		L 0186ATC		
ARM V	240		ARM A		10.60	WOUND		STR. SHUNT	
FLD V	120/240		FLD A		.90-.46/.45-.23				
CONN			OHMS				CL	F	
ENCL	DPFG		DUTY		CONT		MX AMB		40
P CODE	D		CTSR				SER.F.		1.0
S/N				E/S	K0011A A				
	BRUSH:18044-8								
O.D.E. BRG.	6205	D.E. BRG.		6206	BRUSH		18044-8		QTY 2

Parts List

Part number	Description	Quantity
SA376408	SA T18S8008	1.000 ea
AA018194	AA T18S8008	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
18044-8	BRUSH, 180 FR SERIES IM9101 MORGANITE/61	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
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
032126012JA	HSHCS (UNPLATED)	3.000 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

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.

A	19032	REDRAWN	CSL	7-19-91
REV.	ECO.	DESCRIPTION	BY	DATE

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

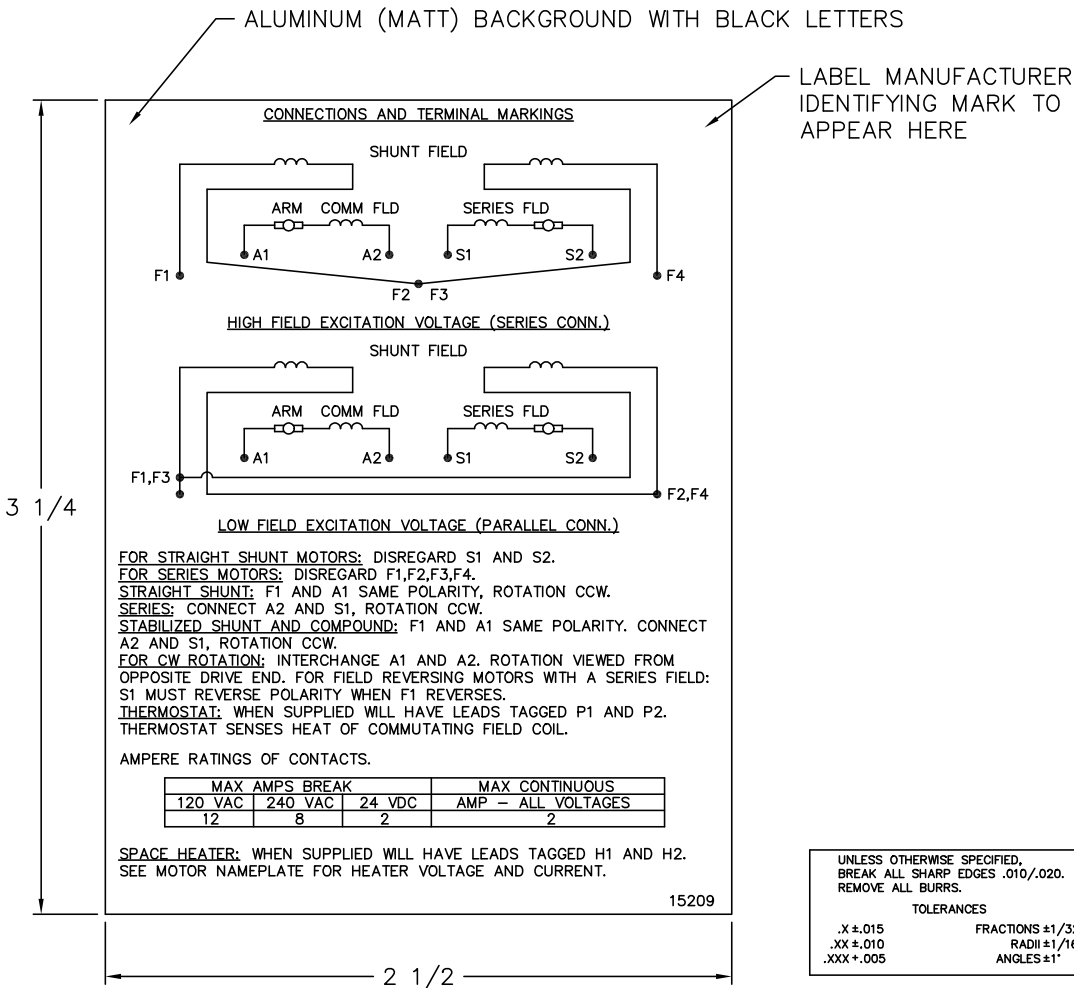
FOR F1 OR F2 CONDUIT BOX LOCATION SEE SALES ORDER

BALDOR

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

PART NUMBER 879 DWG. SIZE A 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.

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

15209