

BALDOR® • RELIANCE

Product Information Packet

CD2007P-2

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

Part Detail							
Revision:	B	Status:	PRD/A	Change #:		Proprietary:	No
Type:		Prod. Type:		Elec. Spec:		CD Diagram:	
Enclosure:		Mfg Plant:		Mech. Spec:		Layout:	879
Frame:		Mounting:		Poles:		Created Date:	02-17-2014
Base:		Rotation:		Insulation:		Eff. Date:	11-26-2014
Field Type:		Literature:		Elec. Diagram:		Replaced By:	

Nameplate NP1734								
CAT.NO.	CD2007P-2	MODEL	T18R8010					
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		CL	F			
ENCL	DPFG	DUTY	CONT	MX AMB	40			
P CODE	D	CTSR		SER.F.	1.0			
S/N		E/S	K00009B A					
O.D.E. BRG.	6205	D.E. BRG.	6206	BRUSH	18044-4	QTY	2	

Parts List		
Part Number	Description	Quantity
SA281197	SA T18R8010	1.000 EA
AA015365	AA T18R8010	1.000 EA
NP1734	NPL,BALDOR DC MTR ALUMINUM	1.000 EA
15209	NAMEPLATE & TERMINAL MARKINGS	1.000 EA
18010-3	ARM END LAM.	2.000 EA
18017-1	BALANCE RING,STAMPING 7 GA (.188 THK)	2.000 EA
18416-1	FAN, MACH, 180 SERIES	1.000 EA
ME3002A06	COMMUTATOR ISOLATOR FOR 18043 COMM	1.000 EA
032018012CK	HHCS 3/8-16X1-1/2 PLTED	6.000 EA
032018012CK	HHCS 3/8-16X1-1/2 PLTED	6.000 EA
046001026F	THERMOSTAT	1.000 EA
18040-3	INTERPOLE STACK	2.000 EA
424504003CB	SHIM PACKAGE	1.000 EA
424508002A	BALDOR ROUND DC FRAME INSULATION B/M	1.000 EA
032126008JA	HSCHS (UNPLATED)	3.000 EA
032130008BA	5/16-18 X 1.0 HSHCS	4.000 EA
18412-2	FE BRKT MACH FR 180 'C' FACE W/LU	1.000 EA
482415000A	GREASE (MOBIL POLYREX EM)	0.680 LB
032130008BA	5/16-18 X 1.0 HSHCS	4.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 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
15490	LIFTING LUG,180 FRAME	2.000 EA

Parts List (continued)		
Part Number	Description	Quantity
18082-2	ODE BRKT MACH,FR 180,RELUBE BRG	1.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
032018004AK	HHCS 1/4-20X1/2 PLATED	2.000 EA
034000012AB	WSHR 1/4 STD. PLATED	2.000 EA
034017012AB	LCKW 1/4 STD. PLATED	2.000 EA
18006	BRUSH ROCKER ASSY FRAME 180SERIES	1.000 EA
18044-4SP	BRUSH,GR.E41,210 SER.SGL/CARBON #688K-01	2.000 EA
032018004AK	HHCS 1/4-20X1/2 PLATED	6.000 EA
032018006DK	HHCS 1/2-13X3/4 PLATED	4.000 EA
15021-1	ACCESSORY FACE COVER FRAME 180-500 SERIE	1.000 EA
150449-25	T BOX GRD STUD ARG 1/4 20 DIA. STUD	1.000 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
18026	GASKET,T BOX COVER,FR.1803/32 THK CORK/N	1.000 EA
18027	GASKET,ACCESS CVR,FR.180 3/32 THK DC205(	2.000 EA
WD4100A34	CAPLUG IN T-SERIES T12	1.000 EA
MG1025G05	MEDIUM CHARCOAL METALLIC GREY	0.100 GA
034180011DA	1/4 SQ X 1.375 KEY	1.000 EA
PA1100	PACK FOR #1 SKID; CUSTOM	1.000 EA
MG5047	VARNISH 004824-001HM	0.200 GA
LB1171	LABEL CARTON 6X6 ON LINE BLANK ROLLS	1.000 EA
482413015Y	#15 SLVG	6.000 FT
482413009Y	#9 SLEEVING (GREEN)	6.000 FT

Parts List (continued)		
Part Number	Description	Quantity
041009029B	CONNECTOR, RTD	4.000 EA
041009029E	#8 BUTT CONNECTOR	3.000 EA
MN605	INTEGRAL HP DC MOTORS 2/09	1.000 EA

No performance data has been
assigned to this product.

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

UNITS: INCH	SCALE: NONE	PROPORTION: NONE	PART NUMBER	879	DWG.SIZE A
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1/2-13UNC-2B THD X .75 DEEP
4-HOLES EQ. SPACED AT 90°
ON A 7.250 DIA. B.C.

3/8-16UNC-2B THD
X .88 DEEP IN SHAFT
END.

45°

.40
.063
.061

ACCESSORY MTG. FACE

.700
.695
DIA.

.9846
.9841
DIA.

STANDARD COMM END
FOR SINGLE SHAFT EXTENSION

FC

C

2.03

3/4 N.P.T.
FOR CONDUIT

8.500
8.498
DIA.

FU

FV

FN

.26

2F

B

BA

N

BB

AH

U

AK

BD

P

V

N-W

4(H) HOLE DIA.

45°

CONDUIT

30°

BF

4-HOLES
EQ.SPACED

AJ

D

G

J

E

2E

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.
"AK" DIMENSION 12.0 & OVER -
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 TITLE: DIMENSION SHEET DPFG, STD ATC 8 1/2 DIA. PILOT	PART NUMBER	DWG.SIZE	REV.
ENGINEER RFL 7-19-91			879	A	A
ENGINEER DAG 7-19-91					
MANUF. RWT 7-19-91					

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