

BALDOR® • *RELIANCE*

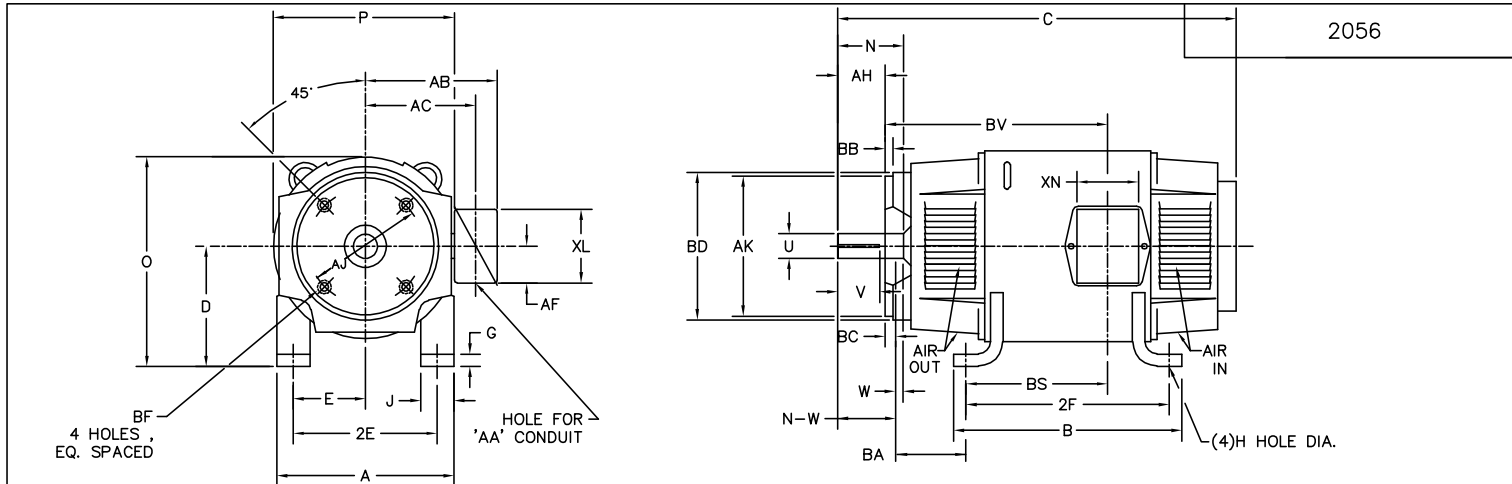
Product Information Packet

CDMG2310

10KW,2500RPM,DC,219ATC,DPFG,F2

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Part Detail			
Type:	DC	Prod. Type:	T
Power Code:	A	Weight:	250
Frame Group:	0219ATC	Mounting Pos.:	F2
HP:	10	Enclosure:	DPFG
RPM:	2500	Wound:	COMPOUND
Service Factor:	1.0	Arm V:	230
Arm A:	43.50	Field V:	230
Field A:	1.22	Field A Hot:	.88-1.22/1.08-
Insulation Class:	F	Ambient:	40
Duty:	CONT	DE Bearing:	6207
ODE Bearing:	6207	Brushes:	150986-21-1
Brush Qty.:			



FRAME	FOOT MOUNTING							D.E. SHAFT EXTENSION										DRIVE KEY		FRAME							
	BA	E	2F	G	H	J	AH	AJ	AK	BB MIN.	BC	BD	THREAD	BF DEEP	N	N-W	U	V	W	KEY-SQ.	KEY-LONG	A	B	C	D	O	P
1810ATC	2.75	3.75	11.00	.38	.406	1.50	2.125	7.250	8.500	.16	—	8.69	1/2-13	.75	2.90	2.77	1.125 ¹	2.13 ⁴	.13	.250	1.38	8.81	12.25	21.46	4.50 ³	9.00	9.00
219ATC	3.50	4.25	11.00	.50	.406	2.00	2.50	7.250	8.500	.24	.25	8.75	1/2-13	1.00	3.00	2.75	1.375 ¹	2.50 ⁴	.25	.312	1.75	10.38	12.00	24.50	5.25 ³	10.47	10.44
258ATC	4.25	5.00	12.50	.69	.531	2.25	3.00	7.250	8.500	.27	.25	8.75	1/2-13	.97	3.44	3.25	1.625 ¹	3.00 ⁴	.19	.375	2.31	12.38	14.00	26.50	6.25 ³	12.47	12.44
259ATC	4.25	5.00	14.00	.69	.531	2.25	3.00	7.250	8.500	.27	.25	8.75	1/2-13	.97	3.44	3.25	1.625 ¹	3.00 ⁴	.19	.375	2.31	12.38	15.50	28.00	6.25 ³	12.47	12.44
288ATC	4.75	5.50	14.00	.69	.531	2.50	3.50	9.000	10.500	.25	.25	10.75	1/2-13	.75	3.91	3.75	1.875 ¹	3.50 ⁴	.16	.500	2.50	13.81	15.62	32.00	7.00 ³	13.88	13.75
328ATC	5.25	6.25	16.00	.81	.656	3.00	4.00	11.000	12.500	.25	.25	13.02	5/8-11	.88	4.40	4.25	2.125 ¹	4.00 ⁴	.15	.500	3.12	15.88	17.75	34.63	8.00 ³	15.94	15.88
329ATC	5.25	6.25	18.00	.81	.656	3.00	4.00	11.000	12.500	.25	.25	13.02	5/8-11	.88	4.40	4.25	2.125 ¹	4.00 ⁴	.15	.500	3.12	15.88	19.75	36.63	8.00 ³	15.94	15.88
3212ATC	5.25	6.25	25.00	.81	.656	3.00	4.00	11.000	12.500	.25	.25	13.02	5/8-11	1.12	4.40	4.25	2.125 ¹	4.00 ⁴	.15	.500	3.12	15.88	26.75	43.63	8.00 ³	15.94	15.88

FRAME	CONDUIT BOX							APPROXIMATE WEIGHT
	AA	AB	AC	AF	BS	BV	XL	
1810ATC	3/4-NPT	INTEGRAL WITH ENDPLATE						200
219ATC	3/4-1	7.91	6.44	2.44	9.38	13.13	3.81	263
258ATC	1 1/4	9.35	7.72	2.94	9.75	14.25	4.94	377
259ATC	1 1/4	9.35	7.72	2.94	11.25	15.75	4.94	422
288ATC	1 1/4	11.88	9.25	5.00	12.64	17.64	7.88	579
328ATC	2	12.94	10.32	5.00	13.68	19.18	7.88	800
329ATC	2	12.94	10.32	5.00	15.68	21.18	7.88	904
3212ATC	2	12.94	10.32	5.00	22.68	28.18	7.88	937

- 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.
'AK' DIMENSION 12.0 & OVER - 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 -.060
- 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.

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: REV. "D" DIM NEGATIVE TOL. FROM -.030 TO -.060	TDR: 000000738871
REV. LTR: E	VERSION: 05
FILE: \RGG\00018\330	REVISED: 03:01:26 03/19/2012
MTL: -	BY: RGGNAS

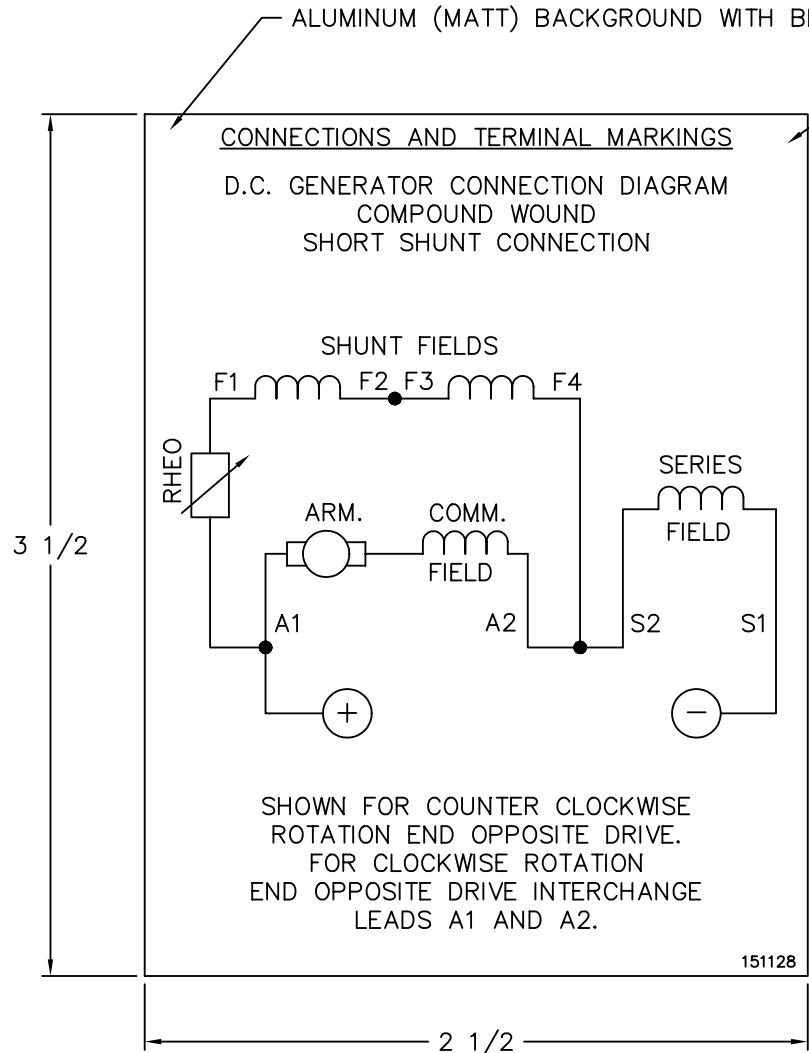
BALDOR

DIM SHEET,1810ATC THRU 3212ATC GENERATORS,F2 MTG

SH 1 of 1

2056

151128



LABEL MANUFACTURER IDENTIFYING MARK TO APPEAR HERE

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°

151128

MATL: NOTED			
REV: A	CHANGE ALL "NAMEPLATE" TEXT TO "LABEL"		
8Z1191	SCALE: -	BY: BKW	REVISED: 02/19/97
	FILE: CHB00003088		TDR: 0115147

BALDOR ELECTRIC Co.

LABEL, CONNECTIONS AND TERMINAL MARKINGS DC GENERATORS


REL S.O.	FRAME	RATING	RPM	ARM. VOLTS	ARM. AMPS	
	219AT	10.0HP	2500	230	43.5	
WINDING TYPE		S.F.	ENCL.	AMB °C/INSUL	DUTY	FIELD VOLTS
STAB. SHUNT		1.0	DPG	40/F	CONT	230
POWER CODE	TYPE	WK 2 (LB-FT 2)	HOT ARM.CIR.RES.	FLD. AMPS@25 °C	HOT FIELD RES	
A	T	1.201	1.02	1.21	261	

ARM. CIR. IND. (mh)	FIELD IND. (H)	COOLING AIR(CFM/IN H 20)	TURNS PER COIL SHUNT/SERIES	TEST DATE
4.23	10.2	-/-	2300/11.5	-

LOAD PERFORMANCE					
LOAD	AMPERES	TORQUE IN OZ.-FT.	OUTPUT IN HP	RPM	% EFFICIENCY
NO LOAD	4971	0	0	4220	0
1/4	11	0	0	3978	0
2/4	22	0	0	3717	0
3/4	33	0	0	3466	0
4/4	44	0	0	3222	0
O.L.	65	0	0	2751	0

RPM VS. FIELD AMPS			Eg VS. FIELD AMPS		
FIELD AMPS	RPM N.L.	RPM F.L.	Eg N.L. @ BASE SPEED	Eg F.L. @ BASE SPEED	
.878	4219	3222	134	134	
6.22	-184	2929	333	234	
11.5	-34	2604	333	260	
16.9	-15	2831	333	266	
22.2	4219	3222	134	134	

REMARKS: TYPICAL DATA

	DR. BY E. GILLLOT	D-C MOTOR PERFORMANCE DATA DK0002A ISSUE DATE 11-19-07
	CK. BY B. GRANT APP. BY R. BRANCHER DATE 11-19-07	