

ABB BALDOR RELIANCE III

Customer information packet CDMG2325

0328ATC, 25KWKW, 1750RPM, 230, 230, DPFG, F2

Specifications

Armature Voltage	230 V
Base Speed	1750 rpm
Enclosure	DPFG
Field Voltage	230 V
Frame	328ATC
Output Power	25.000 KW
Agency Approvals	CSA
Ambient Temperature	40 °C
Armature Current	109.0 a
Drip Cover	No Drip Cover
Duty Rating	CONT
Feedback Device	NO FEEDBACK
Field Winding Type	COMPOUND
Heater Indicator	No Heater
Insulation Class	F
Lifting Lugs	Standard Lifting Lugs
Motor Standards	NEMA
Mounting Arrangement	F2
Overall Length	34.63 IN
Service Factor	1.00
Shaft Diameter	2.125 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Slinger Indicator	No Slinger
Thermal Device - Bearing	None

Part Detail

Revision	D
Type	DC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	K0086A
Layout	2056
Eff. date	10-03-2023
CD Diagram	
Poles	00
Leads	
Proprietary	False
Created date	11-21-2019

Nameplate

15405												
CAT.NO.	CDMG2325		MODEL NO.		T32S8012							
KW	25KW	RPM	1750		FRAME		0328ATC					
ARM VOLTS	230		ARM AMPS		109.00		WOUND		COMPOUND			
FIELD VOLTS	230		FIELD AMPS		2.13-1.30/1.11-.65							
FIELD CONN.			OHMS	72.8		INSUL. CLASS					F	
ENCL	DPFG	DUTY		CONT		MAX AMBIENT				40		
SERVICE FACTOR	1.0											
S/N			E/S	K0086A								
	BRUSH:28610-1											
O.D.E. BRG.	6210	D.E. BRG.		6211	BRUSH		28610.1				QTY	4

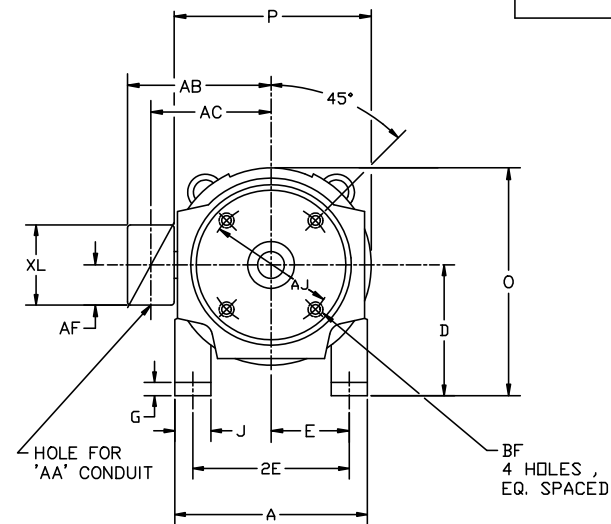
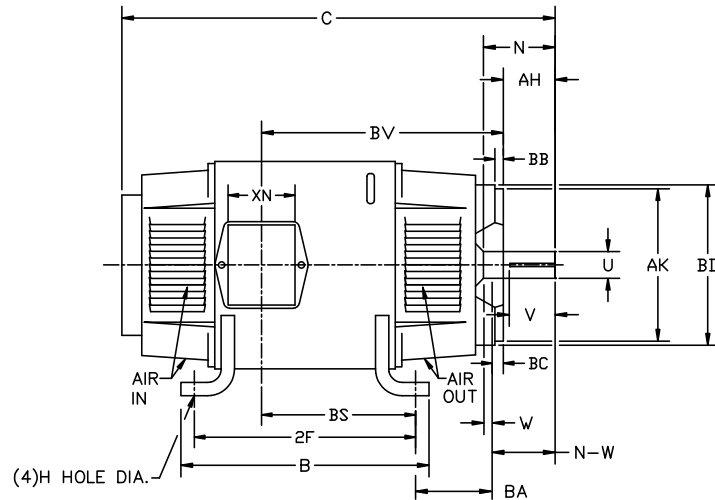
Parts List

Part number	Description	Quantity
SA376254	SA T32S8012	1.000 ea
AA018184	AA T32S8012	1.000 ea
036170004DA	DRSCW METRIC NAMEPLATE	4.000 ea
15405	ALUM CSA DC GENERATOR	1.000 ea
LB1009N	LABEL,ROTATION DIRECTION (ON ROLLS)	1.000 ea
004824007AB	PAINT,XT	0.100 ea
034017016AB	LCKW 1/2" PLATED	8.000 ea
032018004BK	HHCS 5/16-18X1/2 PLATED	2.000 ea
15094	DISHED LOCKWASHER .332 ID, .865 OD	2.000 ea
BP5228R02	BRUSH ROCKER ASSY, FR 28/32 2 BR/STUD	1.000 ea
28610-1SP	BRUSH,280/320FR	4.000 ea
32031-7	ODE BRKT MACH FR 320, LOCKED ODE BRG	1.000 ea
32075-7	DE BRKT MACH C-FACE,FR 320,STD LCKD CE,S	1.000 ea
032130010DA	1/2-13 X 1.25 HSHCS	4.000 ea
032130010DA	1/2-13 X 1.25 HSHCS	4.000 ea
HA4048A04	DRIVE-IN PLUG,1.88"EXPAN.PLUG,	1.000 ea
400638001G	WAVEN (Customer number 43699)	1.000 ea
032130016BA	HSHCS OUTER CAP LE	3.000 ea
150449-31	GRD STUD ARG .312DIA STUD	1.000 ea
15024-7	28021-2/BOX FR. 280/3201/8" THK.,MUELL	1.000 ea
15024-7	28021-2/BOX FR. 280/3201/8" THK.,MUELL	1.000 ea
15115	TERM BOX HOLE COVER FRAME 280 & 320	1.000 ea
032018004AK	HHCS 1/4-20X1/2 PLATED	4.000 ea
32020-2	GASKET COVER COM END FRAME 320 SERIES	3.000 ea
32020-1	GASKET, COVER, FAN END	4.000 ea
032018004BK	HHCS 5/16-18X1/2 PLATED	28.000 ea
32019-1	ACCESS COVER FRAME 32 SERIES #14 GA STE	1.000 ea
32046-1	VENT COVER FRAME 32 SERIES	3.000 ea
32046-2	VENT COVER FRAME 32 SERIES	3.000 ea
15024-6	TERM.BOX BASE FR-320, DUREX P/N:3SP	1.000 ea
15024-4	TERM.BOX CVR. FR-28,32,36DUREX P/N:D618	1.000 ea

15024-5	GASKET, T.BOX COVER	1.000 ea
032018004AK	HHCS 1/4-20X1/2 PLATED	2.000 ea
032018008BK	HHCS 5/16-18X1L PLATED	4.000 ea
151128	LABEL DC GENERATOR CONN. & TERMINA	1.000 ea
034180025GA	KEY,DE	1.000 ea
004824007BTW	SPECIAL PAINT4824-3BVZ	0.100 ea

REL S.O.	FRAME	RATING	RPM	ARM. VOLTS	ARM. AMPS
	328	25.0HP	1750	230	109
WINDING TYPE		S.F.	ENCL.	AMB °C/INSUL	DUTY
STAB. SHUNT		1.0	DPG	40/F	CONT
POWER CODE		TYPE	WK ² (LB-FT ²)	HOT ARM.CIR.RES.	FLD. AMPS@25 °C
A		T	7.377	.122	3.16
ARM. CIR. IND. (mh)	FIELD IND. (H)	COOLING AIR (CFM/IN H ₂ O)		URNS PER COIL SHUNT/SERIES	TEST DATE
2.27	102	-/-		2000/3	-
LOAD PERFORMANCE					
LOAD	AMPERES	TORQUE IN OZ.-FT.	OUTPUT IN HP	RPM	% EFFICIENCY
NO LOAD	472	0	0	1531	0
1/4	27	0	0	1502	0
2/4	55	0	0	1472	0
3/4	82	0	0	1443	0
4/4	109	0	0	1418	0
O.L.	164	0	0	1374	0
RPM VS. FIELD AMPS					
FIELD AMPS	RPM N.L.	RPM F.L.	Eg N.L. @ BASE SPEED	Eg F.L. @ BASE SPEED	
2.13	1530	1417	261	259	
1.91	1573	1668	256	251	
1.68	1647	1726	244	240	
1.46	1775	1815	227	224	
1.24	1981	1950	202	203	
REMARKS: TYPICAL DATA					
		DR. BY <u>E.H. GILLOT</u> CK. BY <u>B. GRANT</u> APP. BY <u>R. ERLACHER</u> DATE <u>05-14-09</u>		D-C MOTOR PERFORMANCE DATA DK0086A ISSUE DATE 05-14-09	

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FOOT MOUNTING													D.E. SHAFT EXTENSION						DRIVE KEY		FRAME						
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
1810AT	2.75	3.75	11.00	.38	.406	1.50	2.125	7.250	8.500	.25	—	8.69	1/2-13	.75	2.90	2.77	1.125 ¹	2.50 ³	.13	.250	1.38	12.25	12.25	21.46	4.50 ²	9.00	9.00
219AT	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 ³	.25	.312	1.75	12.00	12.00	24.50	5.25 ²	10.47	10.44
258AT	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 ³	.19	.375	2.31	12.38	14.00	26.50	6.25 ²	12.47	12.44
259AT	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 ³	.19	.375	2.31	15.50	15.50	28.00	6.25 ²	12.47	12.44
288AT	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 ³	.16	.500	2.50	15.62	15.62	32.00	7.00 ²	13.88	13.75
328AT	5.25	6.25	16.00	.81	.656	3.00	4.00	11.000	12.500	.25	.25	12.75	5/8-11	.88	4.40	4.25	2.125 ¹	4.00 ³	.15	.500	3.12	17.75	17.75	34.63	8.00 ²	15.94	15.88
329AT	5.25	6.25	18.00	.81	.656	3.00	4.00	11.000	12.500	.25	.25	12.75	5/8-11	.88	4.40	4.25	2.125 ¹	4.00 ³	.15	.500	3.12	19.75	19.75	36.63	8.00 ²	15.94	15.88

CONDUIT BOX								APPROXIMATE WEIGHT
FRAME	AA	AB	AC	AF	BS	XL	XN	
1810AT	3/4NPT	INTEGRAL WITH ENDPLATE						195
219AT	3/4-1	7.91	6.44	2.44	9.38	3.81	3.12	260
258AT	1-1/4	9.35	7.72	2.94	9.75	4.94	4.00	366
259AT	1-1/4	9.35	7.72	2.94	11.25	4.94	4.00	411
288AT	1-1/4	11.88	9.25	5.00	12.64	7.88	5.25	566
328AT	2	12.94	10.32	5.00	13.68	7.88	5.25	775
329AT	2	12.94	10.32	5.00	15.68	7.88	5.25	884

- 1) SHAFT DIAMETERS TO 1.500 TOLERANCE +.0000 - .0005
SHAFT DIAMETERS ABOVE 1.500 TOLERANCE +.0000 - .0010
SHAFT DIAMETERS TO 1.625 RUNOUT .002 T.I.R. MAX.
SHAFT DIAMETERS ABOVE 1.625 RUNOUT .003 T.I.R. MAX.
- 2) 'D' DIMENSION TOLERANCE +.000 - .030
- 3) 'V' DIMENSION IS MAX. HUB LENGTH ON SHAFT
- 4) CONDUIT BOX CAN BE ROTATED IN 90° STEPS ON ITS OWN AXIS.
- 5) ALL DIMENSIONS NOT NOTED ARE NOMINAL DIMENSIONS CONSULT FACTORY FOR TOLERANCES.

MATL:	—		
REV:	—	NEW DWG. RELEASE	
990Z		SCALE: —	BY: MBT
		FILE: CHB00004002	TDR: 0078613

BALDOR ELECTRIC Co.

DIM SHEET, 1810ATC THRU 329ATC GENERATORS

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