ABB BALDOR RELIANCE

Customer information packet

DMG2340

0329AT, 40KWKW, 1750RPM, 230, 230, DPFG, F2

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10/30/2026 12:41:28 AM

Specifications

Armature Voltage	230 V
Base Speed	1750 rpm
Enclosure	DPFG
Field Voltage	230 V
Frame	329AT
Output Power	40.000 KW
Agency Approvals	CSA
Ambient Temperature	40 °C
Armature Current	174.0 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	38.83 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.	K0088A
Layout	1486
Eff. date	10-03-2023
CD Diagram	
Poles	00
Leads	
Proprietary	False
Created date	11-21-2019

Nameplate

15405											
CAT.NO.	DMG2340		**MODEL NO.**		T32S8015						
KW	40KW	**RPM**	1750			**FRAME**	0329AT				
ARM VOLTS	230		**ARM AMPS**	174.00			**WOUND**	COMPOUND			
FIELD VOLTS	230		**FIELD AMPS**	5.67-3.70							
FIELD CONN.		**OHMS**	40.6				**INSUL. CLASS**	F			
ENCL	DPFG	**DUTY**	CONT				**MAX AMBIENT**	40			
SERVICE FACTOR	1.0										
S/N			**E/S**	K0088A							
	BRUSH:28610-1										
O.D.E. BRG.	6210	**D.E. BRG.**	6211	**BRUSH**	28610-1				**QTY**	6	

Parts List

Part number	Description	Quantity
SA376260	SA T32S8015	1.000 ea
AA018187	AA T32S8015	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
032130006BA	HSHCS ACCESS COVER	2.000 ea
032018004BK	HHCS 5/16-18X1/2 PLATED	2.000 ea
15094	DISHED LOCKWASHER .332 ID, .865 OD	2.000 ea
BP5228R03	BR ROCKER ASSY, FR 28/32 3 BR/STUD	1.000 ea
28610-1SP	BRUSH,280/320FR	6.000 ea
32031-7	ODE BRKT MACH FR 320, LOCKED ODE BRG	1.000 ea
32029-10	BRKT,STD. LOCKED C/E 320AT	1.000 ea
032130010DA	1/2-13 X 1.25 HSHCS	4.000 ea
032018040DK	HHCS 1/2-13X5L PLATED	4.000 ea
HA4048A04	DRIVE-IN PLUG,1.88"EXPAN.PLUG,	1.000 ea
400638001G	WAVEN (Customer number 43699)	1.000 ea
034690001AC	P/PLG	2.000 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	3.000 ea
032018004BK	HHCS 5/16-18X1/2 PLATED	28.000 ea
32046-1	VENT COVER FRAME 32 SERIES	3.000 ea
32046-2	VENT COVER FRAME 32 SERIES	3.000 ea
15599-37	DRIVE SCR,#10 X.37 TYPE UPLATED STEEL	6.000 ea

32023-1	LOUVERED SMILE COVER, FR 320	1.000 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
MG1025G05	WILKOFAST, 789.227, MED. GRAY CHAR. MET.	0.200 ga

Accessories

Part number	Description	Multiplier
94EP5000A02	C-FACE CONVERSION KIT FOR STOCK MTR,FR 3	

REL S.O.	FRAME	RATING	RPM	ARM. VOLTS	ARM. AMPS
	329	40.0HP	1750	230	174

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	8.480	.115	5.67	62.1

ARM. CIR. IND. (mh)	FIELD IND. (H)	COOLING AIR(CFM/IN H_2O)	TURNS PER COIL SHUNT/SERIES	TEST DATE
2.43	38.9	-/-	1300/2	-

LOAD PERFORMANCE

LOAD	AMPERES	TORQUE IN OZ.-FT.	OUTPUT IN HP	RPM	% EFFICIENCY
NO LOAD	462	0	0	1400	0
1/4	44	0	0	1360	0
2/4	87	0	0	1319	0
3/4	131	0	0	1286	0
4/4	174	0	0	1259	0
O.L.	261	0	0	1209	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
3.70	1399	1258	285	280
3.36	1484	1587	272	266
3.02	1586	1675	254	250
2.69	1727	1792	233	230
2.35	1927	1950	208	208

REMARKS: TYPICAL DATA

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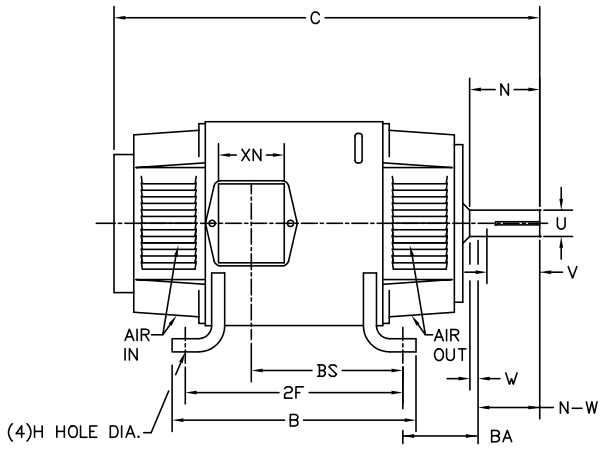
DR. BY E.H. GILLOT
CK. BY B. GRANT
APP. BY R.ERLACHER
DATE 05-15-09

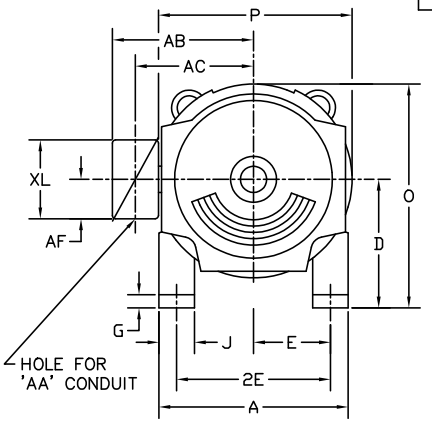
D-C MOTOR PERFORMANCE DATA

DK0088A

ISSUE DATE 05-15-09

1486





	FOOT MOUNTING						D.E. SHAFT EXTENSION					DRIVE KEY		FRAME					
FRAME	BA	E	2F	G	H	J	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	2.90	2.77	1.125 [1]	2.50 [3]	.13	.250	1.38	8.75	12.25	21.46	4.50 [2]	9.00	9.00
219AT	3.50	4.25	11.00	.50	.406	2.00	3.00	2.75	1.375 [1]	2.50 [3]	.25	.312	1.75	10.38	12.00	24.50	5.25 [2]	10.47	10.44
258AT	4.25	5.00	12.50	.69	.531	2.25	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	3.44	3.25	1.625 [1]	3.00 [3]	.19	.375	2.31	12.38	15.50	28.00	6.25 [2]	12.47	12.44
288AT	4.75	5.50	14.00	.69	.531	2.50	3.91	3.75	1.875 [1]	3.50 [3]	.16	.500	2.50	13.81	15.62	32.00	7.00 [2]	13.88	13.75
328AT	5.25	6.25	16.00	.81	.656	3.00	4.40	4.25	2.125 [1]	4.00 [3]	.15	.500	3.12	15.88	17.75	34.63	8.00 [2]	15.94	15.88
329AT	5.25	6.25	18.00	.81	.656	3.00	4.40	4.25	2.125 [1]	4.00 [3]	.15	.500	3.12	15.88	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.

FOR F1 OR F2 CONDUIT BOX LOCATION SEE SALES ORDER

1486

MATL: –

REV: C CORRECTED "A" DIMENSIONS

1486 | SCALE: 0.08 | BY: TBM | REVISED: 09/10/96

FILE: CHB00003091 | TDR: 0104915

BALDOR ELECTRIC Co.

DIM SHEET, 1810AT THRU 329AT GENERATORS