ABB BALDOR RELIANCE

Customer information packet

DMG2320

0288AT, 20KWKW, 1750RPM, 230, 230, DPFG, F2

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11/16/2026 12:50:28 AM

Specifications

Armature Voltage	230 V
Base Speed	1750 rpm
Enclosure	DPFG
Field Voltage	230 V
Frame	288AT
Output Power	20.000 KW
Agency Approvals	CSA
Ambient Temperature	40 °C
Armature Current	87.0 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	32.00 IN
Service Factor	1.00
Shaft Diameter	1.875 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.	K0076A
Layout	1486
Eff. date	12-04-2025
CD Diagram	
Poles	00
Leads	
Proprietary	False
Created date	11-21-2019

Nameplate

					15405						
CAT.NO.	DMG2320			**MODEL NO.**		T28S8007					
KW	20KW	**RPM**	1750			**FRAME**	0288AT				
ARM VOLTS	230			**ARM AMPS**	87.00			**WOUND**	STD COMPOUND		
FIELD VOLTS	230			**FIELD AMPS**	2.93-1.80						
FIELD CONN.		**OHMS**	78.5					**INSUL. CLASS**	F		
ENCL	DPFG	**DUTY**	CONT					**MAX AMBIENT**	40		
SERVICE FACTOR	1.0										
S/N				**E/S**	K0076A						
	BRUSH:28610-1										
	IP23										
O.D.E. BRG.	6209	**D.E. BRG.**	6210	**BRUSH**	28610-1					**QTY**	4

000613006SC
KG

Accessories

Part number	Description	Multiplier
93EP5000A02	C-FACE CONVERSION KIT FOR STOCK MTR,FR 2	

REL S.O.	FRAME	RATING	RPM	ARM. VOLTS	ARM. AMPS
	288	20.0HP	1750	230	87.0

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	4.420	.244	2.93	127

ARM. CIR. IND. (mh)	FIELD IND. (H)	COOLING AIR(CFM/IN H_2O)	TURNS PER COIL SHUNT/SERIES	TEST DATE
3.10	30.7	-/-	2000/9	-

LOAD PERFORMANCE

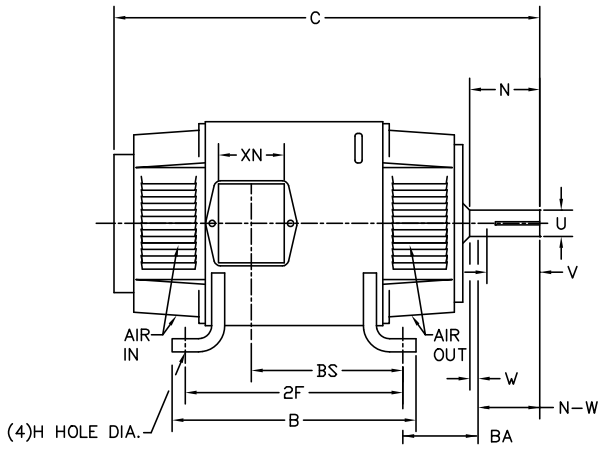
LOAD	AMPERES	TORQUE IN OZ.-FT.	OUTPUT IN HP	RPM	% EFFICIENCY
NO LOAD	296	0	0	2571	0
1/4	22	0	0	2430	0
2/4	44	0	0	2286	0
3/4	65	0	0	2161	0
4/4	87	0	0	2058	0
O.L.	131	0	0	1892	0

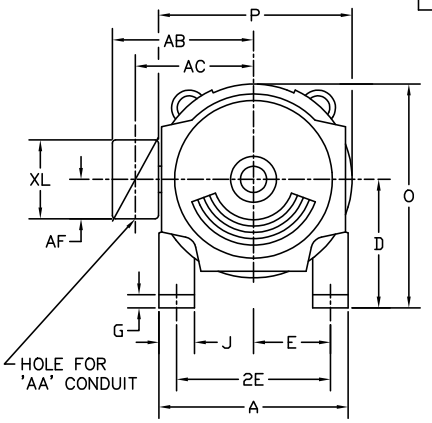
RPM VS. FIELD AMPS / Eg VS. FIELD AMPS

FIELD AMPS	RPM N.L.	RPM F.L.	Eg N.L. @ BASE SPEED	Eg F.L. @ BASE SPEED
1.80	2570	2057	154	149
2.04	2430	2336	166	166
2.28	2312	2206	176	181
2.52	2233	2117	186	194
2.76	2570	2057	154	149

REMARKS: TYPICAL DATA

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