ABB BALDOR RELIANCE

Customer information packet

CDMG2320

0288ATC, 20KW, 1750RPM, 230, 230, DPFG,

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11/16/2026 5:52:40 AM

Specifications

Armature Voltage	230 V
Base Speed	1750 rpm
Enclosure	DPFG
Field Voltage	230 V
Frame	288ATC
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
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	2056
Eff. date	10-22-2021
CD Diagram	
Poles	00
Leads	
Proprietary	False
Created date	11-12-2019

Nameplate

15405										
CAT.NO.	CDMG2320		**MODEL NO.**		T28S8008					
KW	20KW	**RPM**	1750			**FRAME**	0288ATC			
ARM VOLTS	230		**ARM AMPS**	87.00			**WOUND**	COMPOUND		
FIELD VOLTS	230		**FIELD AMPS**	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									
O.D.E. BRG.	6209	**D.E. BRG.**	6210	**BRUSH**	28610-1			**QTY**		

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

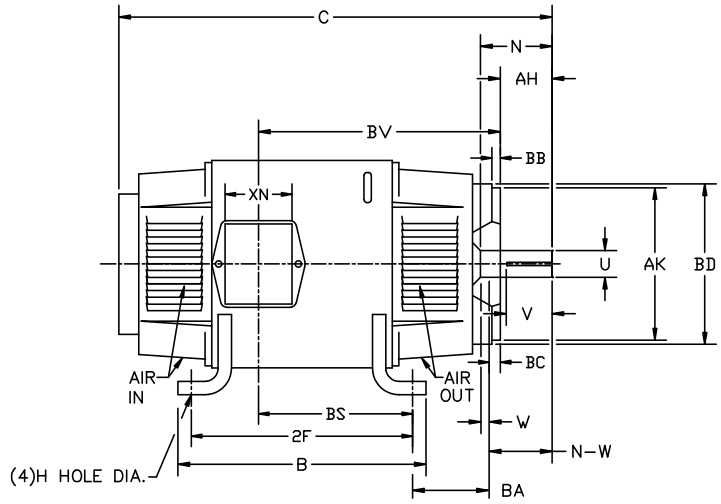
LOAD	AMPERES	TORQUE IN OZ.-FT.	OUTPUT IN HP	RPM	% EFFICIENCY
NO LOAD	296	0	0	2571	0
1/4	22	0	0	2430	0
2/4	44	0	0	2286	0
3/4	65	0	0	2161	0
4/4	87	0	0	2058	0
O.L.	131	0	0	1892	0

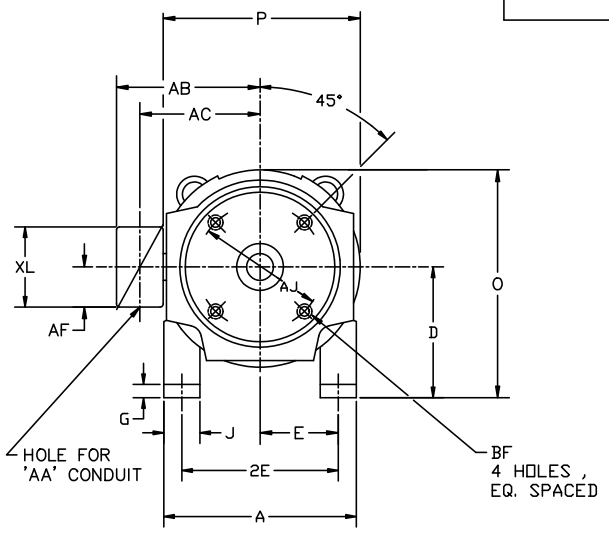
RPM VS. FIELD AMPS / Eg VS. FIELD AMPS

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

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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	BF 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.

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MATL: –			BALDOR ELECTRIC Co.
REV: –	NEW DWG. RELEASE		
2056	SCALE: –	BY: MBT	REVISED: 07/28/95
	FILE: CHB00004002		TDR: 0078613
			DIM SHEET, 1810ATC THRU 329ATC GENERATORS