ABB BALDOR RELIANCE

Customer information packet

CDMG2310

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

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11/15/2026 7:06:09 AM

Specifications

Armature Voltage	230 V
Base Speed	2500 rpm
Enclosure	DPFG
Field Voltage	230 V
Output Power	10.000 KW
Agency Approvals	CSA
Ambient Temperature	40 °C
Armature Current	43.5 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	24.50 IN
Service Factor	1.00
Shaft Diameter	1.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Slinger Indicator	No Slinger
Thermal Device - Bearing	None

Part Detail

Revision	B
Type	DC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	K0002A
Layout	2056
Eff. date	02-08-2022
CD Diagram	
Poles	00
Leads	
Proprietary	False
Created date	12-12-2019

Nameplate

15405											
CAT.NO.	CDMG2310		**MODEL NO.**		T21S8006						
KW	10 KW	**RPM**	2500			**FRAME**	0219ATC				
ARM VOLTS	230		**ARM AMPS**	43.50			**WOUND**	COMPOUND			
FIELD VOLTS	230		**FIELD AMPS**	1.22-.88							
FIELD CONN.		**OHMS**	188.5				**INSUL. CLASS**	F			
ENCL	DPFG	**DUTY**	CONT				**MAX AMBIENT**	40			
SERVICE FACTOR	1.0										
S/N			**E/S**	K0002A							
	-										
O.D.E. BRG.	6207	**D.E. BRG.**	6207	**BRUSH**	150986-21-1				**QTY**	2	

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_2O)	TURNS PER COIL SHUNT/SERIES	TEST DATE
4.23	10.2	-/-	2300/11.5	-

LOAD PERFORMANCE

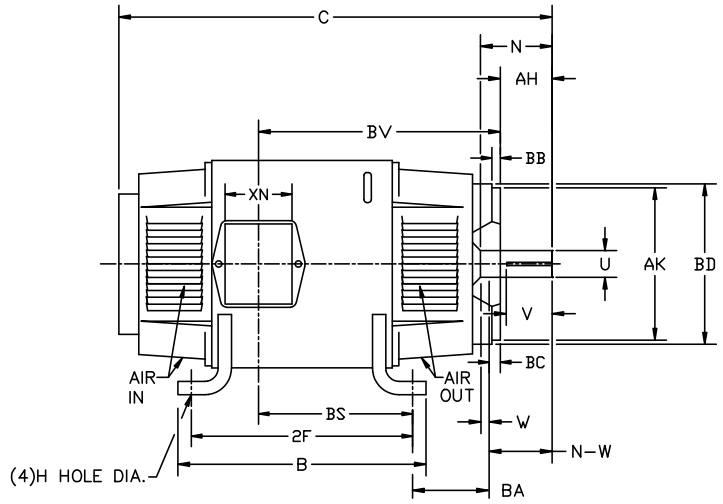
LOAD	AMPERES	TORQUE IN OZ.-FT.	OUTPUT IN HP	RPM	% EFFICIENCY
NO LOAD	4971	0	0	4220	0
1/4	11	0	0	3978	0
2/4	22	0	0	3717	0
3/4	33	0	0	3466	0
4/4	44	0	0	3222	0
O.L.	65	0	0	2751	0

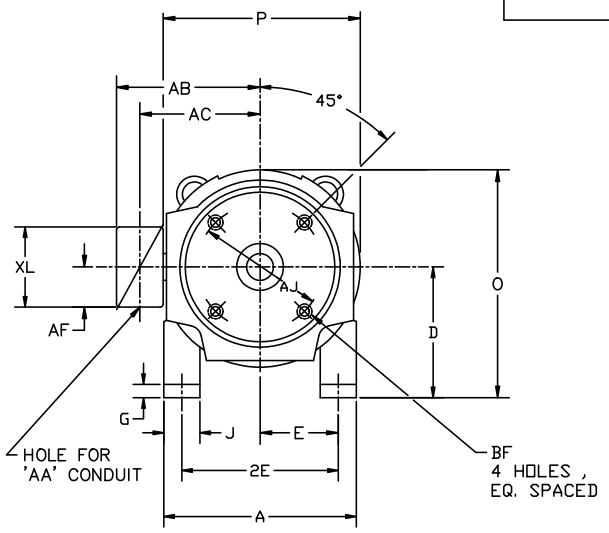
RPM VS. FIELD AMPS / Eg VS. FIELD AMPS

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

2056





	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.

2056

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

BALDOR ROUND DC ARMATURE INSULATION B/M

FRAME SIZE: **219** CORE LENGTH: **5.62**
VOLTS: **0-300** #SLOTS: **24**

DESCRIPTION	#PCS	SIZE (USAGE) OR PART #	PURCHASE INFO	REMARKS
SLOT LINER	24	1.38" X 5.94" (8.2IN2)	612769207BB	4824-10-CX (.015")
TOP STICK	24	6.13" (.51')	4175320005BB	AY482409011 (24-21-15)
SHAFT INSULATION	2	NA	418020001B	4824-10-CX (.007")
COMMUTATOR INSULATION	NA	8.00"	MH1094A03	"GOLD TAPE"
NOMEX/GLASS CLOTH	NA	12.00"	FH482410150	4824-10FH
SLEEVING	NA	NA	NA	4824-13AW
BALDOR BALDOR · DODGE · RELIANCE			**424503-002K**	