

ABB BALDOR RELIANCE III

Customer information packet CDMG2333

0328ATC, 33KWKW, 1750RPM, 230, 230, DPFG, F2

Specifications

Armature Voltage	230 V
Base Speed	1750 rpm
Enclosure	DPFG
Field Voltage	230 V
Frame	328ATC
Output Power	33.000 KW
Agency Approvals	CSA
Ambient Temperature	40 °C
Armature Current	144.0 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	E
Type	DC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	K0087A
Layout	2056-10
Eff. date	08-28-2026
CD Diagram	
Poles	00
Leads	
Proprietary	False
Created date	11-21-2019

Nameplate

15405									
CAT.NO.	CDMG2333		MODEL NO.		T32S8014				
KW	33KW	RPM	1750		FRAME		0328ATC		
ARM VOLTS	230		ARM AMPS		144.00		WOUND		STD 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	K0087A					
	BRUSH:28610-1								
O.D.E. BRG.	6210	D.E. BRG.	6211	BRUSH		28610-1			
	QTY 4								

REL S.O.	FRAME	RATING	RPM	ARM. VOLTS	ARM. AMPS
	328	33.0HP	1750	230	144
WINDING TYPE		S.F.	ENCL.	AMB °C/INSUL	DUTY
STAB. SHUNT		1.0	DPG	40/F	230
POWER CODE	TYPE	WK ² (LB-FT ²)	HOT ARM.CIR.RES.	FLD. AMPS@25 °C	HOT FIELD RES
A	T	7.377	.126	3.16	107
ARM. CIR. IND. (mh)	FIELD IND. (H)	COOLING AIR (CFM/IN H ₂ O)		TURNS PER COIL SHUNT/SERIES	TEST DATE
2.27	104	-/-		2000/3	-
LOAD PERFORMANCE					
LOAD	AMPERES	TORQUE IN OZ.-FT.	OUTPUT IN HP	RPM	% EFFICIENCY
NO LOAD	474	0	0	1529	0
1/4	36	0	0	1491	0
2/4	72	0	0	1451	0
3/4	108	0	0	1416	0
4/4	144	0	0	1385	0
O.L.	216	0	0	1326	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	1529	1384	261	258	
1.92	1570	1699	256	250	
1.71	1637	1750	246	239	
1.49	1751	1828	230	225	
1.28	1931	1950	208	205	
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 DK0087A PERFORMANCE DATA ISSUE DATE 05-14-09	

