



Customer information packet

33-2604Z131G1

.33HP, 1750RPM, DC, 42CZ, 3327P, TENV, F1, N

Specifications

Armature Voltage	180 V
Base Speed	1750 rpm
Enclosure	TENV
Frame	42CZ
Frame Material	Steel
Output Power	0.330 HP
Agency Approvals	CSA UR
Ambient Temperature	40 °C
Armature Current	1.6 a
Armature Inertia	6.318 lb-ft ²
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Drip Cover	No Drip Cover
Duty Rating	CONT
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
Insulation Class	F
Lifting Lugs	No Lifting Lugs
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	2 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Mounting Arrangement	F1
Overall Length	11.41 IN
Product Family	General Purpose
Pulley End Bearing Type	Sealed Bearing
RoHS Status	ROHS COMPLIANT
Service Factor	1.00
Shaft Diameter	0.500 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding

Part detail

Revision	C
Type	DC
Mech. spec.	33-2604
Base	
Status	PRD/A
Elec. spec.	33WGZ131
Layout	33LY2604
Eff. date	10-24-2024
CD Diagram	CD0194
Poles	00
Leads	
Proprietary	False
Created date	03-21-2012

Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger

Nameplate

NP0111L			
CAT.NO.			
SPEC.	33-2604Z131G1		
HP	.33	ENCL	TENV
RPM	1750		
FRAME	42CZ	TYPE	3327P
ARM V	180	ARM A	1.6
FLD V		FLD A	
INSUL	F	AMB.	40
DUTY	CONT	SUPPLY	K
BRG/DE	6203	BRG/ODE	6203
BRUSHES	2/BP5011CV01		
	BLANK		
SER.			
BLANK			
APRV-CSA	APRV-UL		

DC Motor Performance Data

Record # 2915

Typical performance - not guaranteed values

Winding: 33WGZ131-R005		Type: 3327P	Enclosure: TENV
Nameplate Data		General Characteristics	
Rated Output (HP)	0.33	Armature Resistance @ 25°C	4.331 Ω
R.P.M.	1750		
Armature Volts	180	Voltage Constant	101.23 v/krpm
Armature Amps	1.6		
Field Volts		Armature Inductance	39.666 mH
Field Amps		Armature Inertia	6.318 LI ²
Rating - Duty	40C AMB-CONT		
Power Supply Code	K		

Load Characteristics at 180 Armature Volts

Load Point	1	2	3	4	5	6	7
Armature Amps	0.18	0.89	1.16	1.53	1.88	2.22	2.87
R.P.M.	1727	1679	1662	1633	1620	1595	1556
Torque (LB-FT)	0	0.516	0.752	1.01	1.268	1.525	2.02

ABB Motors and Mechanical Inc.

WINDING # 33WGZ131

Typical performance - not guaranteed values.

0.33 HP DC 1750 RPM 180 V 3327P

ENCL: TENV DUTY: CONT CL: F





