



Customer information packet

CDPSWD3406

.25HP, 1750RPM, DC, 56C, 3413P, TEFC, F1

Class - None

Division -

Specifications

Armature Voltage	180 V
Base Speed	1750 rpm
Enclosure	TEFC
Frame	56C
Frame Material	Stainless Steel
Haz Area Class and Group	None
Output Power	0.250 HP
Agency Approvals	CSA
	UR
Ambient Temperature	40 °C
Armature Current	1.3 a
Armature Inertia	5.073 lb-ft ²
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Drip Cover	No Drip Cover
Duty Rating	CONT
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
Lifting Lugs	No Lifting Lugs
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	2 @ 14 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Mounting Arrangement	F1
Overall Length	12.16 IN
Product Family	Wash Down Paint Free
Pulley End Bearing Type	Sealed Bearing
RoHS Status	ROHS COMPLIANT
Service Factor	1.00
Shaft Diameter	0.625 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding

Part detail

Revision	AG
Type	DC
Mech. spec.	34-6694
Base	
Status	PRD/A
Elec. spec.	34WG4397
Layout	34LY6694
Eff. date	04-13-2023
CD Diagram	CD0194
Poles	00
Leads	
Proprietary	False
Created date	01-01-0001

Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger

Nameplate

NP1502			
CAT.NO.	CDPSWD3406		
SPEC.	34-6694-4397G1		
HP	.25	ENCL	TEFC
RPM	1750		
FRAME	56C	TYPE	3413P
ARM V	180	ARM A	1.3
FLD V		FLD A	
INSUL	F	AMB.	40
DUTY	CONT	SUPPLY	1.5
BRG/DE	6203	BRG/ODE	6203
BRUSHES	2/BP5000AW14		
		BLANK	
SER.			
BLANK			
APRV-CSA		APRV-UL	

DC Motor Performance Data

Record # 1437

Typical performance - not guaranteed values

Winding: 34WG4397-R004		Type: 3413P	Enclosure: TEFC	
Nameplate Data		General Characteristics		
Rated Output (HP)	0.25	Armature Resistance @ 25°C	7.81 Ω	
R.P.M.	1750			
Armature Volts	180			
Armature Amps	1.3			
Field Volts				
Field Amps				
Rating - Duty	40C AMB-CONT			
Form Factor	1.5			

Load Characteristics at 180 Armature Volts

Load Point	1	2	3	4	5	6	7
Armature Amps	0.29	0.57	0.81	1.09	1.42	1.73	2.06
R.P.M.	2046	2020	1997	1958	1913	1863	1828
Torque (LB-FT)	0	0.1875	0.375	0.5625	0.75	0.9375	1.125

ABB Motors and Mechanical Inc.

WINDING # 34WG4397

Typical performance - not guaranteed values.

0.25 HP DC 1750 RPM 180 V 3413P

ENCL: TEFC DUTY: CONT CL: F





