



Customer information packet

CDPX3406

.25HP, 1750RPM, DC, 56C, X3413P, XPFC, F1

Class - CLI GP D; CLII GP F,G

Division -

Specifications

Armature Voltage	180 V
Base Speed	1750 rpm
Enclosure	XPFC
Frame	56C
Frame Material	Steel
Haz Area Class and Group	CLI GP D; CLII GP F,G
Output Power	0.250 HP
Agency Approvals	CSA UL 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
Haz Area Temp Code	T3C
Heater Indicator	No Heater
Lifting Lugs	No Lifting Lugs
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	2 @ 14 AWG, A
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Mounting Arrangement	F1
Overall Length	13.87 IN
Product Family	General Purpose
Pulley End Bearing Type	Sealed Bearing
Service Factor	1.00
Shaft Diameter	0.625 IN
Shaft Extension Location	Pulley End

Part detail

Revision	AF
Type	DC
Mech. spec.	34-6519
Base	
Status	PRD/A
Elec. spec.	34WG4397
Layout	34LY6519
Eff. date	06-15-2023
CD Diagram	CD0194
Poles	00
Leads	2#14 A,2#18 JJ Y
Proprietary	False
Created date	01-01-0001

Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger

Nameplate

NP0727XPSL				
NO.				
SER.				
SPEC.	34-6519-4397G1			
CAT.NO.	CDPX3406	T. CODE		T3C
HP	.25	ENCL	XPFC	
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/BP5011CV01			
BLANK				

DC Motor Performance Data

Record # 1436

Typical performance - not guaranteed values

Winding: 34WG4397-R006		Type: 3413P	Enclosure: XPFC	
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: XPFC DUTY: CONT CL: F





