



Customer information packet

VP3603D

2.2KW, 1750RPM, DC, D112D, 3649P, TEFC, F1

Class - None

Division -

Specifications

Armature Voltage	180 V
Base Speed	1750 rpm
Enclosure	TEFC
Frame	D112D
Frame Material	Steel
Haz Area Class and Group	None
Output Power	3.000 HP
Agency Approvals	CE CSA UR
Ambient Temperature	40 °C
Armature Current	14.0 a
Armature Inertia	107.110 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
Frame Prefix	D
Heater Indicator	No Heater
Lifting Lugs	Standard Lifting Lugs
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	2 @ 12 AWG
Motor Lead Termination	Flying Leads
Motor Standards	IEC
Mounting Arrangement	F1
Overall Length	24.57 IN
Product Family	General Purpose
Pulley End Bearing Type	Sealed Bearing
Service Factor	1.00
Shaft Diameter	1.103 IN
Shaft Extension Location	Pulley End

Part detail

Revision	AL
Type	DC
Mech. spec.	36P182
Base	
Status	PRD/A
Elec. spec.	36WGZ507
Layout	36LYP182
Eff. date	07-11-2025
CD Diagram	CD0194
Poles	00
Leads	
Proprietary	False
Created date	01-01-0001

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

Nameplate

NP0891L					
CAT.NO.	VP3603D				
SPEC.	36P182Z507				
HP	2.2KW	ENCL		TEFC	
RPM	1750 1/MIN				
FRAME	D112D	TYPE		3649P	
ARM V	180	ARM A		14	
FLD V		FLD A			
INSUL	F	AMB.		40	
DUTY	CONT	SUPPLY		K	
BRG/DE	6206	BRG/ODE		6206	
BRUSHES	2/BP5031A01				
		BLANK			
SER.					
BLANK	IP44 IC411 56KG				
APRV-CE	Y	APRV-CSA	Y	APRV-UL	Y

Accessories

Part number	Description	Multiplier
TK3600PM	TACHO MOUNTING KIT FOR TK3600PM	A8

DC Motor Performance Data

Record # 311

Typical performance - not guaranteed values

Winding: 36WGZ507-R001		Type: 3649P	Enclosure: TEFC
Nameplate Data		General Characteristics	
Rated Output (HP)	3	Armature Resistance @ 25°C	0.3209 Ω
R.P.M.	1750		
Armature Volts	180		
Armature Amps	14		
Field Volts			
Field Amps			
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	0.4	3.37	6.34	9.01	12.28	13.51	20.45
R.P.M.	1860	1844	1827	1813	1795	1788	1750
Torque (LB-FT)	0	2	4	5.8	8	8.83	13.5

ABB Motors and Mechanical Inc.

WINDING # 36WGZ507

Typical performance - not guaranteed values.

3 HP DC 1750 RPM 180 V 3649P

ENCL: TEFC DUTY: CONT CL: F





