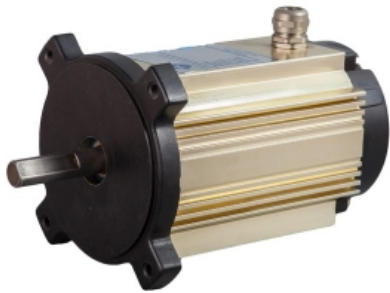




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1.1KW Centrifugal Pump Motor

Model Number:	BLDC1.1-100
Type:	Brushless DC Motor
Output Power:	1.1KW
DC Voltage:	72V DC, 220V AC, 380V AC
Speed Range:	2900RPM
Poles:	4P, 6P, 8P...

Detailed information	
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Brand Name:	Volcano Electric	Model Number:	BLDC1.1-100	Type:	Brushless DC Motor
Output Power:	1.1KW	DC Voltage:	72V DC, 220V AC, 380V A C	Speed Range:	2900 RPM
Controller:	Customized, Optional	Braker:	Optional	Insulation Class:	Class B/F/H
Enclosure:	IP44 / IP54	Poles:	4P, 6P, 8P...	Wire:	100% copper
Housing:	Aluminum	Efficiency:	IE3.0 , IE 4.0		
Duty:	S1 (continuous)	Place of Origin:	Zhejiang, China (Mainland)	Standard:	IEC / NEMA standard
Application:	variable speed pumps, constant pressure pumps				

At what applications you need Brushless DC motors replace conventional wound AC motors.

Any one of the below requirements.

1. Variable speed application
2. Require High Start Torque
3. Low /High speed application
4. Minimize Motor size demands
5. Customized Speed, work at any defined speed, (the rated speed of AC motor is limited, 2 poles-3000RPM, 4 poles -1500RPM @50HZ, 2 poles-3600RPM, 4 poles -1800RPM @60HZ)

Product Description

Intelligent pump systems that improve the way you use water and provide added value, accommodate a wide range of flow demand, allowing to use the water they need, when they need it.

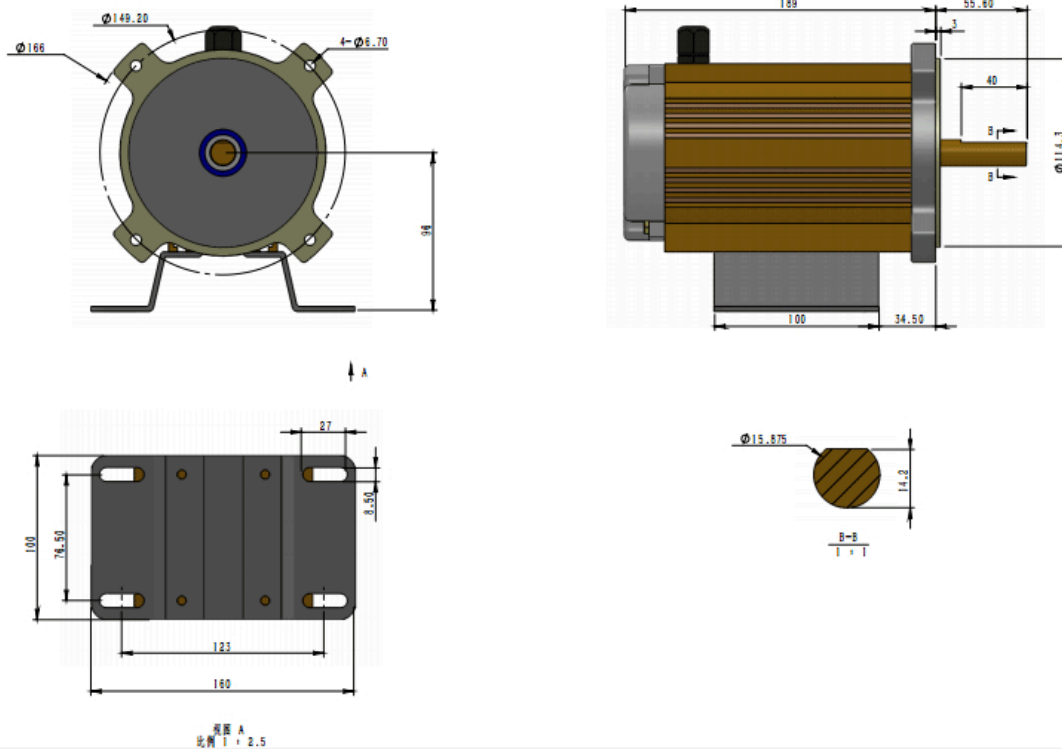
Currently, the VFD(Variable speed driver) + AC motor pumps system is used to achieve the constant pressure. But efficiency is not high, there is a lot of energy waste of this systems. Because the efficiency of AC motor reduce sharply while excess the rated speed. Compared to AC motors, brushless DC motors have higher efficiency for a wide speeds. Therefore, the brushless DC motor+ controller is tending to replace the VFD+AC motor pump system.

Various Constant Pressure Pump Systems

		VFD + AC Motor	Controller + PM Motor
Advantages		Intelligent pump systems that improve the way you use water and provide added value,accommodate a wide range of flowdemand, allowing to use the water they need, when they need it.	
VFD/Controller Efficiency		95%-98% The signal is not sinesoid,weaken the motor efficiency	>98%
Motor Efficiency	Rated Speed	70%-85%	>88%
	Variable speed	reduce sharply	Maintain at high level, over 80%
	Example P=750W	75-85% @ Rated Speed lower than 70% @500RPM	over 88% @ Rated Speed Maintain at 80% @500RPM
Start Torque		Low	High
High Speed Ability		2 poles-3000 RPM 4 poles-1500RPM @50HZ	10,000+ RPM
Cost		-	a little higher
Install		IEC/NEMA/Customized ,substitute for each, noneed to rebuild the pump structure	
*The PM motor is able to control at low speed with high efficiency. The PM motor system has high efficiency			

1.1KW 2900RPM Centrifugal Pump motor is one of our brushless DC motor motors used in centrifugal pumps. Which replace the same power AC motors. The efficiency is much higher though the initial cost is a little higher. But for long terms, the energy saving of Brushless DC motors and free maintenance, the benefits you get will obviously considerable.

Configuration



*CAN MAKE ACCORDING TO YOUR REQUIREMENT

Advantage of Brushless DC motors

- Lower maintenance and longer lifetime- no brush and commutator erosion
- Lower noise-the elimination of brush contact
- Higher power to weight ratio
- Higher efficiency (in general higher than 90%)
- Lower temperature rise-more efficient heat dissipation due to winding construction
- Reduction of EMI

For customized DC Motors, please contact our technician, Ordinary, we have to know the following information to get a professional proposal:

- **Brushed or Brushless** Customer preference
- **Output power (W)** Horsepower/watts/torque rated at full load speed
- **Voltage (V)** i.e 12v DC 220v AC
- **Motor speed (RPM)** Revolutions per minute of the shaft at full load Voltage
- **Application** e.g. traction, airconditioning, etc.
- **Duty** Most motors are rated continuous. Some applications however may use motors designed for intermittent duty
- **Configuration/Frame** Our products are according to IEC standard, we also can customize the flange and shaft according to the customer drawing
- **Controller function** e.g. forward/reverse, variable speed, acceleration profile, etc.

Previous 110W High Efficiency Micro Brushless DC Motors

Next 1.5 KW Brushless DC motors IEC 90L Frame

You may like:

 	 	 	 	 
220V 750W 3000RPM 6P Brushless DC Motor	48v 1kw 3000rpm Brushless Dc Motor For Electric Vehicle	48V High Torque 1000W Hall Sensor EV Motor	30V 1000W IP54 Brushless DC EV Motor With Hall Sensor	BLDC 24V 1200W 2300RPM EV Motor High Efficiency

 
48V 1000W IP54 Brushless DC Motor Hall Sensor

 	 	 	 
24V Brushless DC Motor 3000rpm for Vehicle	24V 750W 3000RPM Brushless DC Motor	High efficiency 1000w 110v 1500rpm Brushless DC Motor	Custom 1.5KW 48V 1800RPM Brushless DC Motor