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1.5 KW Brushless DC motors IEC 90L Frame

Model Number:	IEC 1.1-90L
Type:	Brushless DC motors
Output Power:	1.5KW (2HP)
DC Voltage:	180V DC
Speed Range:	1800 RPM
Poles:	2P, 4P, 6P, 8P...

Detailed information

Brand Name:	Volcano Electric	Model Number:	IEC 1.1-90L	Type:	Brushless DC motors
Output Power:	1.5KW (2HP)	DC Voltage:	180V DC	Speed Range:	1800 RPM
Controller:	Customized, Optional, High Efficiency >98%	Braker:	Optional	Insulation Class:	Class F/H
Enclosure:	IP44/IP54/IP56, IP65, IP66, IPW56, IPW65 or IPW66	Poles:	2P, 4P, 6P, 8P...	Wire:	100% copper
Housing:	Aluminum	Efficiency:	IE4.0 efficiency classes		
Duty:	S1 (continuous)	Place of Origin:	Zhejiang, China (Mainland)	Standard:	IEC / NEMA Frame
Application:	Compressors,Conveyor,Blowers,Fans,Irrigation,Pumps,Heat Exchangers, Cranes & Hoist, Printing, Extruders etc				

Product Description

1.5 KW Brushless DC motors IEC 90L Frame, is the high efficiency Brushless DC motors, but the frame is exact the 90L frame. Thus the install condition is same to conventional electric motors.

Compared to the conventional electric motors(AC motors), the brushless DC motors has several advantages:

- Higher efficiency (in general higher than 90%)
- Wider speed range at high efficiency
- Lower temperature rise - more efficient heat dissipation due to winding construction
- Reduction of EMI
- Higher power to weight ratio

In Volcano Electric, we have a professional design team to build customized motors by various application. To optimize the motor and match the various application.

Four properties of Volcano Electric Brushless DC motors includes their efficiency, reliability, use of leading-edge technology, and the virtually limitless options, they provide for customization. Please contact our technical team freely at info@volcanomotor.com

SOME OF Brushless DC motors in IEC Frame

Power KW/HP	Speed RPM	Voltage* DC	Load Amps	IEC Frame
0.25/1/3	1800	180	1.7	71
0.37/1/2	3000	180	2.5	71
0.37/1/2	1800	180	2.5	71
0.55/3/4	3000	180	3.6	71
0.55/3/4	1800	180	3.5	80
0.75/1	3000	180	4.9	80
0.75/1	1800	180	4.6	80
1.1/1.5	3000	180	7.1	80
1.1/1.5	1800	180	7	80
1.1/1.5	1800	180	7.5	90L
1.5/2	3000	180	10	90L
1.5/2	1800	180	9.5	90L
2.2/3	3000	180	16	90L
2.2/3	1800	180	14	112M

Voltage: These IEC motors are also available for AC condition, please notify your voltage available in advance

Rated power in various IEC frames.

Specific dimension					
Frame	Rated Power	H	A	B	L
71	370w-1.5kw	71	112	90	250-270
80	370W-2.2KW	80	125	100	275-300
90	370W-3KW	90	140	125	335-350
100	370W-4.5KW	100	160	140	365-400

112	370W-5.5KW	112	190	140	395-420
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Rated power in various NEMA frames.

Specific dimension					
Frame	Rated Power	H	A	B	L
143T	370w-1.5kw	3.5	2.7	2	12.5
145T	370W-2.2KW	3.5	2.7	2.5	13.5
182T	370W-3KW	4.5	3.7	2.25	15.3
184T	370W-4.5KW	4.5	3.7	2.75	16
213T	370W-5.5KW	5.25	4.2	2.75	19

WE CAN MAKE ACCORDING TO YOUR REQUIRMENT

Besides of the standard IEC Motors, Volcano Electric can offer customized motor and supplier comprehensive solutions of your whole system, please contact our technician, Ordinary, we have to know the following information to get a professional proposal:


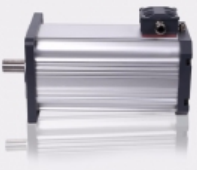




- **Brushed or Brushless** Customer preference
- **Output power (W)** Horsepower/watts/torque rated at full load speed
- **Voltage (V)** i.e 12v DC 220v AC
- **Motor speed (RPM)** Revolutions per minute of the shaft at full load Voltage
- **Application** e.g. traction, airconditioning, etc.
- **Duty** 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.

Unlike other motor suppliers, with our experienced motor design and controller team, we can help customers be as the turn-key project provider, please try to describe the functions you expect. The Functions such as consistent pressure, Variable speed, consistent Torque, overload starting etc...

[Previous 1.1KW Centrifugal Pump Motor](#)
[Next 750W 60V 1500RPM Brushless DC Motor](#)

You may like:

 	 	 	 	 
48V 90% Efficiency 1500W Hall Sensor EV Motor With Brake	310VDC 1500W 3500RPM BLDC Motor	2HP 24V 3500RPM Hall Sensor Brushless DC Motor	60V 3500W High Power BLDC Motor	3KW 3000RPM IEC 90 Brushless DC Motor

 	 		
3.7KW 60V 3600RPM Electric Brushless DC Motor	2.5KW 72V Hall Sensor Brushless DC Motor	2.8KW 48V Sensorless BLDC Motor Driver	2000W 60V 3000RPM Brushless DC Motor


3750 RPM High Speed Brushless DC Electric Motor

DC Motor Manufacturer & Supplier in China
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