


[View larger image](#)[Share](#)


QS 16inch 3000W 273 (40H) E-Scooter Extra/V3 Type Hub Motor

US \$380.00 / Piece | 1 Piece (Min. Order)Quantity: Pieces**US \$380.00** in totalShipping fee: **US \$ 277.76** to **United States by Express TNT**Lead Time: **15 day(s)** after payment received[Start Order](#)[Contact Supplier](#)[Add To Cart](#)Seller Support: **Trade Assurance**
– To protect your orders from payment to delivery

Payment:

**Taizhou Quanshun Motor Co., Ltd.**
[Leave Messages](#)

4 YRS CN
Manufacturer
Gold Supplier
Trade Assurance
Onsite Check

 **Leave Messages**
Browsing History
Message Center
Trade Manager

4.3/5 Satisfied
6 Reviews ✓

Transaction Level:
17 Transactions \$ 5,000+
Response Time >72h
Response Rate 38.9%

[View Company Profile](#)


Product Details**Company Profile**[Report Suspicious Activity](#)

Overview

Quick Details

Voltage:	48V-144V	Design:	Brushless, BLDC PMSM Hu...
Wattage:	> 400w	Brand:	QSMOTOR
Max. speed:	45-80KPH	Color:	Black
Efficiency:	>87%	Waterproof:	IP54
Certification:	CE By SGS, ISO9000, TS16...		

Packaging & Delivery

Selling Units:	Single item
Single package size:	58X58X40 cm
Single gross weight:	23.4 kg
Package Type:	Standard export packing 1. polyfoam + carton box 2. Or according to customer's requirements
Lead Time 	15

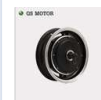
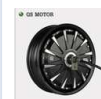
QS 16inch 3000W 273 (40H) E-Scooter Extra/V3 Type Hub Motor



When placing order, pls. advise below points:

1. Voltage, RPM or kV**2. Disc brake or drum brake**

Thank you for your cooperation.

You May Like**Hot Sale QS Motor**
12inch 1500w 205
US \$193.2 / Piece
1 Piece**QS Motor Customiz:**
8000W 273 50H V3
US \$650.0 / Piece
1 Piece**QS 12inch double**
shaft 48V 3000W 2
US \$233.0 / Piece
1 Piece**12inch 2000W 35H**
brushless motor for
US \$115.56 / Piece
1 Piece**2018 Quanshun QS**
Motor 13inch 5000
US \$333.0 / Piece
1 Piece**QS 14inch 5000W 2**
(45H) E Scooter
US \$413.0 / Piece
1 Piece**2018 New Best Sale**
10inch 2000W 205
US \$190.0 / Piece
1 Piece**2018 New Best Sale**
10inch 2000W 205
US \$170.0 / Piece
1 Piece

✦ Motor Spec

QS 3000W 16inch 273 (40H) E-Scooter Extra/V3 Type Hub Motor

No.	Parameter Value Units Notes	Value	Units	Notes
1	Motor Type	BLDC PMSM Outer Rotor Scooter Hub Motor		
2	Axle Configuration	Double/Single Axle		
3	Motor Diameter	434	mm	
4	Wheel Size	16x3.0	inch	
5	Matched Tire	110/80-16		etc.
6	Magnet Height	40	mm	
7	Number of Pole Pairs	16	Pairs	32 pcs
8	Rated Output Power	3000	Watt	
9	Peak Output Power	4579	Watt	Peak 6000
10	Speed	66	KPH	Optional: 45-80KPH
11	Voltage	72	Volt	Optional: 48-144V
12	Max RPM	671.9	RPM	
13	kV	9.33	RPM/V	
14	Continuous Input Current	46.85	Ampere	
15	Peak Input Current	75.14	Ampere	Peak 130A
16	Peak Phase Current	300	Ampere	in short time
17	Rated Torque	46.2	N.m	
18	Max Torque	≥171.4	N.m	
19	Max. Efficiency	87.3	%	
20	Efficiency 80 % @ RPM	433.7-650	RPM	
21	Brake System	Disc Brake		PCD3*80mm, M8
22	Drop-outs	200	mm	Optional: >200mm
23	Holder	Aluminum	-	
24	Number of Motor Phases	3	-	
25	Hall Sensors	2	Set	One for spare, waterproof connector
26	Hall Sensor Phasing	120	°	
27	Hall Working Voltage	5	V	12(limitation)
28	Cross Section of Phase Wire	16	mm²	
29	Thermic Probe	KTY83/122		Customizable
30	Max. Operating Temperature	70	°C	Peak 120°C
31	Waterproof Grade	IP54	-	
32	Color	Black		
33	N.W./G.W.	21.8/23.4	kg	
34	Package	58*58*40	cm³	Carton

More pictures of motor:

✦Speed Suggestion

The voltage we could be 48v-144v, the max. speed can be customized to from 45 to 80km/h.

Rough calculation formula of speed:

$$V = 0.9 \times \text{RPM} \times 2\pi \times 60 / 1000 \quad V \text{ (KPH)}, \text{RPM} = \text{un-load RPM}, r = \text{radius of tire}$$

As $\text{Power} = \text{Torque} \times \text{RPM} / 9.549$, the more RPM is, the less torque it will be.

Tips: Please advise **Voltage & RPM** when placing order, If there is no marking, we will make it 72V 672RPM.

We suggest to choose Balance/2nd model for mass production, as the repair rate of high speed model will be higher.

✦Controller Suggestion

The power of controller should \geq power of motor.

For 16inch 273 3000W motor (rated speed 45-80km/h), you could choose 60-80A (limited current) controller.

When you using overvoltage, then the max. speed increased sharply, the real power is not

3000w. The higher speed get for motor

(overvoltage condition), the bigger limited current should choose for matched controller, when considering the starting acceleration capability and climbing performance.

If you don't how to match controller, please don't hesitate to contact with us. We could also provide suitable controller.

Square Wave Controller: **Kelly Controller** [KEB72601](#)

Sine wave controller: **Lingbo Controller** [LBM072352](#), **Sabvoton Controller** [SSC72100 or SSC72150](#)

✦Motor Design of inner configuration

There are three types, Normal/V1 type (low cost), Export/V2 type (Cost-effective) and Extra/V3 type (Best Performance).

Normal type/V1



Export type/V2



Extra type/V3



1. Comparison between V1 and V2.

Holder: Iron(V1), Aluminum (V2) Hall: One hall with Normal connector(V1), Two halls with Waterproof connector(V2)

Stator: V2 have a stronger configuration, more cooper, thicker section surface, energy saving in usage. Magnetic Steel



Leave
Messages

Browsing
History

Message
Center

Trade
Manager

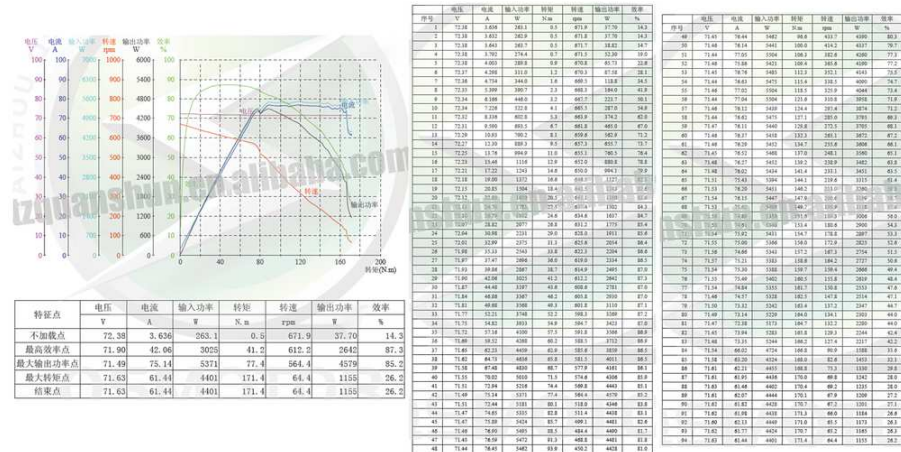
Grade: V2 ≥ V1 Efficiency: 84~87%(V1) 86~88%(V2) In short, normal type is standard configuration, while export type is high configuration. The price differs because of the cost of raw materials.

2. Comparison between V2 and V3.

The raw materials are alike, main difference in inner construction. For V3 (16 Pole Pairs):

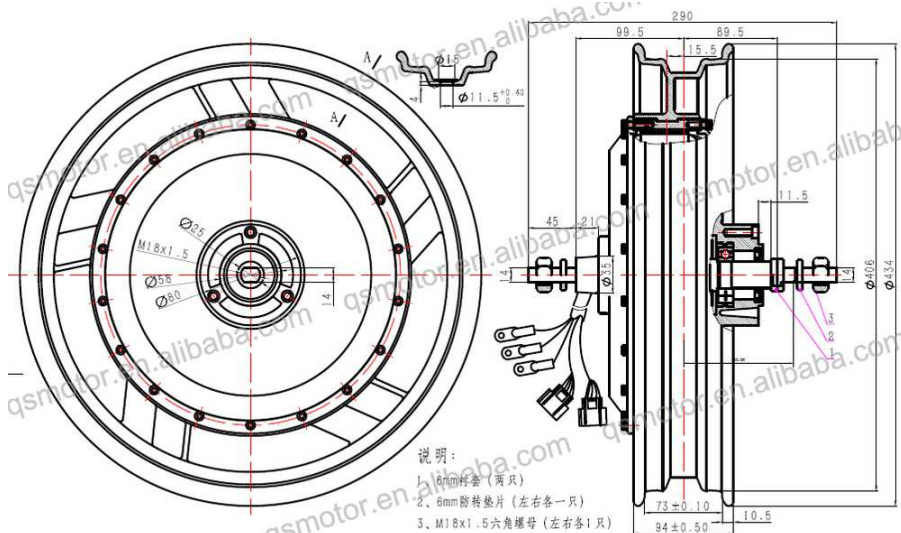
stronger configuration than V2, wider lamination, more cooper wire/phase wire and thicker Cross-sectional area section, bear more current in usage. Magentic Steel: V3 is wider and thicker. Efficiency: 86~88%(V2) 88~92%(V3) Thus, V3 have best performance.

Test Report



More test report:

CAD Drawing



For 16inch motor, we have 16x3.0inch size, it can match with tire 110/80-16.

Anyhow, if you want to match with other tire model, pls. feel free to contact with us.

More drawing:

About Factory

Quanshun Motor focus on motor for more than 10 years, which is specialized in research, development and production of electric motor. We are located in Taizhou, with convenient transportation access. All of our products comply with international quality standards and are greatly appreciated in a variety of different markets through the world.

If you are interested in any of our products or would like to discuss a custom order, please feel free to contact us. We are looking forward to build successful business relationships with new clients around the world.

Choose **QS**, Choose **Quality** & **Service**!

More details about Quanshun: http://qsmotor.en.alibaba.com/custom_page_1/About_QSMotor.html

Download for catalog, manual & sharing video: http://qsmotor.en.alibaba.com/custom_page_2/Download.html



Leave Messages

Browsing History

Message Center


Trade Manager

Motor Kit


We could provide suitable controllers, freewheel, brake disc, throttle etc.
For the moment, we could not provide wheel set & Spokes.




You May Like




Top Selling QS Motor...
US \$270.0 / Piece
1 Piece



2018 New QS 10inch...
US \$90.0 / Piece
1 Piece



QS Quanshun Motor 1...
US \$338.0 / Piece
1 Piece



2018 New QS
US \$125.33 /
1 Piece

Not exactly what you want? 1 request, multiple quotations [Get Quotations Now >>](#)

Related Searches :

1500w brushless e-scooter
e-scooter 350w
e-scooter controller

e-scooter spare parts
e-scooter 48v
e-scooter 250w

1500w e-scooter
e-scooter 1000w
big e-scooter

China :

China e-scooter 48v
China eec e-scooter
China cheap e-scoot

China e-scooter 800w
China e-scooter 350w
China 1500w e-scooter

China e-scooter 1500w
China e-scooter jiangsu
China e-scooter spare parts

TradeManager:

Alibaba.com Site: International - Español - Português - Deutsch - Français - Italiano - हिंदी - Русский - 한국어 - 日本語 - اللغة العربية - বাংলা - Türk - Nederlands - tiếng Việt - Indonesian - বাংলা

AliExpress | 1688.com | Taobao Global | Alipay | Lazada

Browse Alphabetically: Onetouch | Showroom | Country Search | Suppliers | Wholesaler | Affiliate

Product Listing Policy - Intellectual Property Protection - Intellectual Property Protection - Terms of Use - Law Enforcement Compliance Guide

© 1999-2018 Alibaba.com. All rights reserved.

 Leave
Messages

Browsing
History

Message
Center

Trade
Manager