RFQ CHECKLIST

OEM Motor Requirement Checklist

Use this checklist to organize the information available today. Final motor selection, performance, construction and compliance must be confirmed through engineering review and product-level validation.

1. Company and project

Company	Contact name
Email	Country / market

Product / application
Example: blender, mixer grinder, vacuum cleaner, power tool or airflow appliance

2. Electrical and operating point

Supply voltage Nominal and permitted variation	Frequency 50 Hz / 60 Hz
Target speed RPM at the required load	Required torque / load N.m, load curve or product test point
Input / output power target W, current limit or efficiency target	Starting requirement Starting torque, ramp time or controller limits

Duty cycle
Continuous or intermittent; run time, rest time, starts per hour and expected service life

3. Application conditions

- □ High-speed cutting / blending
- □ Intermittent high load
- □ Reversing or defined rotation
- □ Airflow / suction
- □ Continuous running
- □ Speed control / electronics

Operating environment
Ambient temperature, cooling airflow, dust, moisture, altitude, noise and vibration limits

Catalog reference: current Zhanye universal-motor pages include 100-230 V configurations, measured no-load speeds from 3,559 to 26,670 RPM, and maximum tested outputs from 102.14 to 1,195.40 W. These figures are comparison references, not a guaranteed operating range for every application.

4. Mechanical interface

Available motor envelope Maximum diameter, length and clearance	Shaft geometry Diameter, length, flats, thread, keyway or coupling
Mounting points / bracket Hole positions, bracket drawing or sample	Rotation direction CW or CCW, including viewing direction

Drawing / photo / reference sample
List the files or sample available for review

5. Customization requested

- □ Voltage / frequency
- □ Shaft
- □ Lead wires / connector
- □ Cooling fan / airflow
- □ Noise / vibration target
- □ Winding / operating point
- □ Mounting / bracket
- □ CW / CCW rotation
- □ Thermal protection
- □ Other product integration

6. Sample and validation plan

Sample quantity Initial engineering samples	Required timing Target sample delivery / project milestone

Product-level tests
Speed, current, temperature rise, output, noise, vibration, endurance, safety and application performance

Acceptance criteria
Define pass/fail limits and the test setup used to evaluate the motor in the product

7. Commercial planning

Project stage Concept, prototype, validation, pilot or production	Estimated annual demand Expected volume and ramp schedule
Initial production quantity MOQ is reviewed against customization, tooling and materials	Target market / compliance Country, certification or document requirements

MOQ principle

Zhanye reviews sample quantities separately from production MOQ. Production MOQ depends on the selected platform, winding and mechanical changes, dedicated tooling, material procurement, validation scope and forecast demand. Share the expected annual volume so the quotation can use the right production assumptions.

NEXT STEP

Send the completed checklist with drawings or photos to sales@zhanyemotor.com, or submit it through zhanyemotor.com/request-a-quote/.