

# Three-Phase Transformer

## RFQ Checklist & Selection Quick Reference

Share as much of the detail below as you can — the more we have, the faster one dedicated engineer can return a proposed design and indicative pricing (typically within 48 hours). P&A International is an engineering-led contract manufacturer; every supplier in our network is ISO 9000 certified or better.

### 1. What to send us for a fast, accurate quote

- Primary and secondary line voltages and kVA rating
- Vector group / configuration and any tap range
- Step-up or step-down ratio and frequency
- Isolation, screen and safety requirements, and target standards
- Cooling, enclosure and mounting; ambient temperature
- Target cost and annual volume or call-off pattern
- Any reference design, competitor part number or physical sample

### 2. Which three-phase type? - quick reference

Option	Best for
Isolation	Delta/star isolation for machinery and distribution.
Step-up / step-down	Voltage conversion for renewables, drives, process plant.
Auto transformer	Compact auto-wound voltage matching.
Control	Three-phase control and supply for panels/automation.

### 3. Design factors that shape the quote

- **Vector group:** delta, star, zig-zag or auto - the configuration and phase shift your system needs.
- **Voltage & taps:** line voltages, tap range and ratio set the turns and core.
- **Rating & cooling:** kVA, duty and ambient set core size and convection vs forced cooling.
- **Isolation & safety:** creepage/clearance, screens and IEC 61558, CE, UL designed in.
- **Build & mounting:** open-frame, encapsulated or enclosed with terminals to suit your cabinet.

Send your completed checklist (and any drawing or sample) and one dedicated engineer will respond with a proposed design and indicative pricing. No project too big or too small.

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