

Variable frequency drives

TECHNICAL ENQUIRY | Complete available information. Use N/A where not applicable; attach drawings and specifications. Requirements are subject to technical review and agreement.

PROJECT & CONTACT

Company / organisation

Contact name

Contact email

Project reference / equipment tag

Preferred series / model, if known

Installation country and site

Quantity

Required delivery date and destination

SUPPLY & MOTOR

Required solution: S230 / S300 / S500 / S580 / S590 / PV300 / S520 / soft starter / MV VFD / accessory

Driven machine, process and new / retrofit installation

Supply voltage (V / kV), phases, frequency and permissible variation

Variable frequency drives

Earthing system, available fault level and transformer data

Motor type, manufacturer, model and nameplate information

Motor rated power (kW), voltage (V), current (A), speed (rpm) and frequency (Hz)

Motor insulation suitability for VFD duty and bearing protection

Motor cable type, length (m) and existing output equipment

Synchronous motor: field voltage/current and excitation / starting arrangement

PERFORMANCE & ARCHITECTURE

Load torque curve, inertia, minimum / normal / maximum speed

Continuous / overload current and duration, start frequency

Acceleration / deceleration times and process limitations

Braking duty, regenerative operation and stopping requirements

Bypass: manual / automatic, line-start suitability and changeover sequence

Input transformer / switchgear scope and existing equipment

Variable frequency drives

Harmonic limits at PCC, power factor and network constraints

Required output filter, dv/dt or sine filter and motor protection

Speed reference, control mode, sensors, PLC / DCS protocol and I/O

Emergency stop / STO and required functional safety performance, if applicable

SITE & SUPPLY

Ambient temperature, altitude, humidity, dust / corrosion and hazardous area

Air / liquid cooling, heat rejection, utility conditions and ventilation

IP rating, indoor/outdoor and cabinet arrangement / access

Footprint, transport dimensions, mass and installation constraints

Applicable standards, factory tests, certificates and witness requirements

Spares, training, installation, commissioning and documentation scope

Motor nameplate, single-line diagram, load curve and installation layout

Other requirements / acceptable deviations