



Medium Voltage Starter Sales Checklist

Note: Items marked with * are mandatory fields.

*Project Name and/or End-User: _____

*Contact Name: _____

*Phone Number: _____

*Email: _____

*Project Type: Budgetary Funded Est. Installation Timeframe: _____

*Specifications: Yes No Competitors: _____

SECTION A – Starter Application:

*Type of application (load) _____

Present starting method: Across the Line Wye-Delta Auto Transformer

Other: _____

Starts / Stops per day: 1-5 6 -10 11-15 16-20 Over 20 _____
(please specify)

Current Acceleration Time 1-5 seconds 6-10 seconds 11-15 seconds
 16-20 seconds >20 seconds _____
(please specify)

Current Deceleration Time (if applicable) 1-5 seconds 6-10 seconds 11-15 seconds
 16-20 seconds > 20 seconds _____
(please specify)

Input Power

Source

Utility (Transformer feed capacity – kVA) _____

Generator (generator kW rating) _____

Type

Delta

Wye

3-wire

4-wire

Grounding

Delta, Corner Grounded

High resistance ground

Solid Ground

Ungrounded



Distance from line to starter: < 250 ft. 251 - 500 ft. 501 - 750 ft.
 > 750 ft. _____
(please specify)

Distance from starter to motor: < 250 ft. 251-500 ft. 501-750 ft.
 > 750 ft. _____
(please specify)

Size & Quantity of Conductors: Line side size: _____ Line side quantity: _____ per phase
Load side size: _____ Load side quantity: _____ per phase

Conductor type: Shielded Non-Shielded

SECTION B - Motor Data:

*Type of motor: Induction Synchronous Wound Rotor

(If Synchronous or Wound Rotor, see Section "E" or "F" for additional questions.)

*Horsepower: _____ (HP) *Motor voltage: _____ (VAC) *Motor Frequency: _____ (Hz)

FLA: _____ Service Factor: _____ Motor LRA: _____ Motor Speed: _____ (RPM)

NEMA Design: A B C D E

SECTION C - Enclosure / Environment Data:

*Expected ambient temperature: Minimum: _____ Maximum: _____
(Space Heater required if less than 0° C)

Space heater: Yes No Physical Location: Indoor Outdoor

Size limitations (if any): _____ "H x _____ "W x _____ "D

*Altitude: Up to 3,300ft. Above 3,300ft. _____
(please specify)



Unusual Ambient Conditions (if any): _____
(describe)

Color: ANSI 61 Grey (standard) Other: _____
(please specify)

Cable Entry location: Top Bottom (standard) Cable Exit location: Top Bottom (standard)

Horizontal Bus: NONE (standard) 800A 1200A 2000A

Bus Insulation: Yes (price adder) No (standard)

*NEMA Enclosure Type: 1 3R 12 (standard) Other: _____
(please specify)

SECTION D - Miscellaneous:

*Disconnect: Fusible Disconnect Non-fused Disconnect None

Starting Method: Keypad (standard) 2-Wire Control 3-Wire Control Other: _____
(please specify)

*Across-The-Line Starting Option: Yes No (standard)

***Will any of the following be present?:**

Power Factor Correction Capacitors

Note: PFCC must be located on the Line side of the Starter and must be isolated from the line during starting.

Lightning Arrestors

Note: May be placed on either the Line or Load side of the Starter.

Surge Capacitors

Note: Must be at the motor terminals and must be isolated during starting to prevent Starter damage.

***SECTION E – Synchronous Motor Data:** *(Required only for synchronous motors)*

Normal Field Current: _____ (ADC)

Max Field Current: _____ (ADC)

Field Discharge Resistor Rating: _____ (Ω)

Synchronous Motor Field Voltage: _____ (VDC)

***SECTION F – Wound Rotor Motor Data:** *(Required only for synchronous motors)*



Wound Rotor Motor: Starting Duty Resistor Continuous (Running) Duty Resistor

Quantity of steps/resistance: _____ Present number of steps: _____

Secondary Voltage: _____ (VAC) Secondary Current: _____ (amps)

Additional information: _____

SECTION G – Additional Modifications, Accessories and/or Information:

Customer Contact Name

Customer's Company

Date