

Low 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 Solid Ground Ungrounded
 High resistance ground

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) Precision Tan/Beige (standard) Other: _____
(please specify)

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

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

SECTION D - Miscellaneous:

***Disconnect:** Circuit Breaker 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 Surge Capacitors
Note: May be placed on either the Line or Load side of the Starter.
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 wound rotor 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 _____