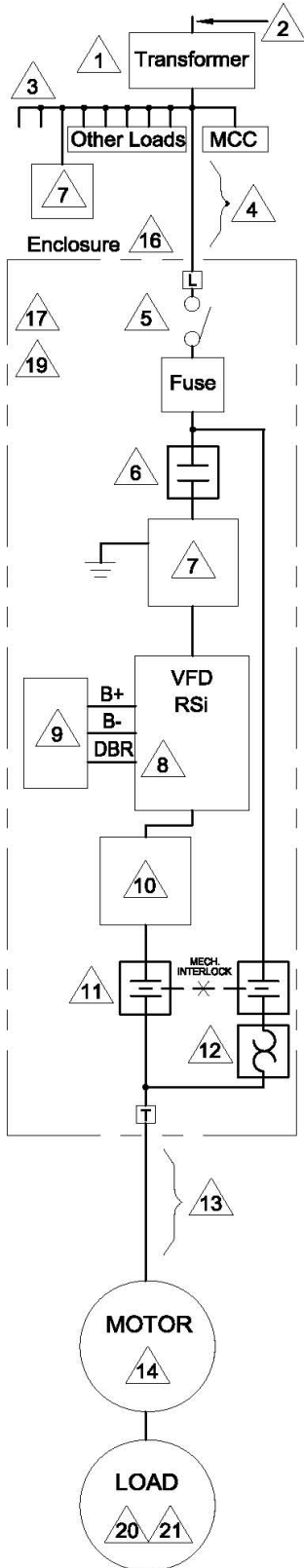


VFD PRE-SALE CHECK SHEET



Purchaser Information

Company Name _____ Address _____
 Contact Person _____
 Email _____ Phone Number _____



Supply - Incoming 1

Primary (Input) Volts _____ Vac
 _____ KVA _____ % Imp
 Short Circuit Capability _____ Isc (Amps)
 Secondary (Output) Volts _____
 WYE-Delta Connection: Y N
 Grounded Ungrounded

Cable Length 13 See 10

Manufacturer _____
 Length _____ Ft _____ M _____
 Cable Specification:
 Non-Shielded
 Shielded
 Conduit

PCC (Point of Common Coupling) 2

Harmonic Restrictions at PCC: Y N
 IEEE519-1992

Motor Name Plate Data 14

Manufacturer _____
 HP _____ Volts _____
 RPM _____ FLA _____ S.F. _____
 AMPS _____ KVA/Code _____
 Design _____ Frame _____
 Breakdown torque _____ % _____ lb-ft
 Temperature Rise _____ °C
 Critical speed _____ RPM

Other Connected Loads 3

Other Connected Loads Present?
 Yes No
 Please list in detail in comments. Ex. PFCC, VFD, etc.

Insulation VFD Grade NEMA MG 1 -1998, Part 3 1.4.4.2
 Yes No See 10

Feeder Cable 4

Cable Length _____ Conduit Teck
 Non-Shielded Shielded

Over temperature protection:
 Thermostat Thermistor
 RTD and type
 100 Pt 10 Cu 100 Ni 120 Ni

Main Disconnect 5

Breaker Fusible Disc Line Fuses
 KAIC Rating _____

Does the motor require a blower for low speed operation?
 Yes No
 Insulated Bearing (s)
 Yes No

Input Isolation Contactor 6

Yes No
 HP Rated NEMA Rated

Harmonic Suppression 7

Input Line Reactor 3 or 5 % Imp.
 Transformer
 Passive Filter
 Active Filter
 18 Pulse
 RFI/EMI Filter

Options 15

Start P/B Local/Remote Sw.
 Stop P/B Pilot Lights
 Emergency Stop P/B - Run/Stop
 HOA Switch - Forward/Reverse
 Forward P/B - Jog
 Reverse P/B - Power
 Jog Forward P/B - Fault
 Jog Reverse P/B
 Potentiometer
 Fault Reset P/B
 Other _____

VFD Ratings 8

VFD - HP _____ KVA _____ KW _____ V _____
 CT VT Volts _____ Amps _____
 Model - RSi - _____ HP - _____ V - _____ Encl.

Dynamic Braking 9

Load Type: Decel Only Overhauling
 Duty Cycle 5% 10% 25% 50% 100%

Output Filter 10

Reactor Long Lead Sine Wave
 50 ft. ~ 300ft. 300 ft. ~ 1500 ft. > 1500 ft.

Enclosure 16

UL Type _____ (1, 3R, 4, 4X, 12)
 Ambient temperature range _____ °C to _____ °C
 Altitude 0 to 3300 ft. (1,000m) Other _____
 Cable Entry/Exit Locations _____
 Enclosure Size Restrictions
 H _____ W _____ D _____
 Description _____

Bypass 11

3 Contactor RVSS
 Rated HP NEMA

Overload 12

For ATL By-pass only: Class 1-40 _____

VFD PRE-SALE CHECK SHEET



<p>Control ▲17</p> <p>Keypad <input type="checkbox"/> Multi-Motor <input type="checkbox"/></p> <p>Terminal <input type="checkbox"/> Master <input type="checkbox"/> Follower <input type="checkbox"/></p> <p>Terminal <input type="checkbox"/> Analog Outputs <input type="checkbox"/></p> <p>0 to 5 VDC <input type="checkbox"/> Analog Inputs <input type="checkbox"/></p> <p>0 to 10 VDC <input type="checkbox"/> Digital Inputs <input type="checkbox"/></p> <p>± 10VDC <input type="checkbox"/> Relay Outputs <input type="checkbox"/></p> <p>0/4 to 20 mA <input type="checkbox"/></p>	<p>Load Details ▲21</p> <p>Fan</p> <p>Fin Fan Cooler <input type="checkbox"/></p> <p>Cooling Tower Fan <input type="checkbox"/></p> <p>Pump</p> <p>Centrifugal Pump <input type="checkbox"/></p> <p>Centrifugal Compressor <input type="checkbox"/></p> <p>Electrical Submersible Pump (ESP) <input type="checkbox"/></p> <p>PD Pump <input type="checkbox"/></p> <p>Slurry Pump <input type="checkbox"/></p> <p>Oil Pump</p> <p>Pumpjack <input type="checkbox"/></p> <p>Progressive Cavity Screw Pump (PCP) <input type="checkbox"/></p> <p>Conveyor</p> <p>Screw Conveyor <input type="checkbox"/></p> <p>Belt Conveyor <input type="checkbox"/></p> <p>Flat Conveyor <input type="checkbox"/></p> <p>Bucket Conveyor <input type="checkbox"/></p> <p>Air Conveyor <input type="checkbox"/></p> <p>Extruder</p> <p>Single Extruder <input type="checkbox"/></p> <p>Dual Extruder <input type="checkbox"/></p> <p>Piston Extruder <input type="checkbox"/></p> <p>Other</p> <p>Number Throws <input type="checkbox"/></p> <p>Centrifuge <input type="checkbox"/></p> <p>Canter Line <input type="checkbox"/></p> <p>Step-up Transformer: KVA <input type="checkbox"/> Vprim <input type="checkbox"/> Vsec <input type="checkbox"/> V Z <input type="checkbox"/></p> <p>Gear ratio/Sheave ratio (Motor RPM/Load RPM) _____:_____</p> <p>Single-phase input <input type="checkbox"/></p>
<p>Communications ▲</p> <p>ModBus RTU <input type="checkbox"/> BacNet <input type="checkbox"/></p> <p>Profibus <input type="checkbox"/> Other _____ <input type="checkbox"/></p>	
<p>Meters ▲19</p> <p>Motor Amps _____ Motor Volts _____</p> <p>Frequency _____ RPM _____</p> <p>Other (Please Specify)</p>	
<p>Application Details ▲20</p> <p>Constant Torque (150% for 60s) <input type="checkbox"/></p> <p>or Variable Torque (110% for 60s) <input type="checkbox"/></p> <p>Load-Steady <input type="checkbox"/> Pulsing <input type="checkbox"/> Regenerative <input type="checkbox"/></p> <p>Speed Range _____ to _____ RPM</p> <p>Load Flywheel Inertia (WK²) <input type="checkbox"/></p> <p>Load Torque Profile <input type="checkbox"/></p> <p>Breakaway Torque lb-ft <input type="checkbox"/></p> <p>Breakaway Torque Duration _____ sec.</p> <p>Max. Peak Torque _____ lb-ft</p> <p>Accel Time _____ Decel Time _____</p> <p>Torque vs. Speed Curve <input type="checkbox"/></p> <p>Deceleration: Coast <input type="checkbox"/> Ramp <input type="checkbox"/> DC Injection <input type="checkbox"/></p> <p>Pump/Fan <input type="checkbox"/></p> <p>Speed _____ Min. Speed _____</p> <p>Starting and stopping cycle (details)</p> <p>Holding Brake required? Y <input type="checkbox"/> N <input type="checkbox"/></p>	

Additional Comments:
