

Customer's Start-up Checklist

for use with:
ABB ACH550 VFD

YES	NO	N/A
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EQUIPMENT LOCATION

Are the drive(s) mounted in their permanent location(s)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is the work area around the drive(s) accessible?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Does the work facility have safety provisions ? (e.g., first aid, fire extinguishers, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

POWER CONNECTIONS (POWER SUPPLY SIDE)

Has the supply voltage been verified and agree with the VFD being installed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is the proper sized incoming power connections installed and completely terminated?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are the incoming power leads in the standard (A-B-C) rotation pattern?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Have proper grounding practices been followed? (National Electrical Code)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

MOTOR CONNECTIONS (LOAD SIDE of DRIVE)

Have the proper motor(s) been installed, wired correctly and ready to run?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are the motor leads completely terminated between the VFD and motor?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Can the motor be run at FULL speed in Bypass mode?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

COOLING TOWER

Is the cooling tower installed and ready?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Will hot water over the tower be available during start-up? (not required)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Do the fan tips rotate freely without hitting the fan cylinder?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Has the motor, driveshaft, geareducer, and fan been properly coupled and aligned?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CONTROL CIRCUIT WIRING

Has a Marley supplied 4-20mA RTD been specified? (Provides temperature reference input signal.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If an RTD is to be used, has it been installed properly with a shielded analog signal cable?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If a vibration switch is used is it wired to the "RUN ENABLE" OR "SAFETY INTERLOCK" of the drive?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is control wiring separated from the power wiring?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If used, does the shielded analog signal cable have the shielding connected at the VFD only?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Multiple VFDs: Are the output power cables independently routed with respect to other VFD cables?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

OTHER USER INTERFACES

The supplied VFD is designed to be controlled externally from a building automation system or a supplied RTD with a 4-20 mA transmitter. When interfacing with a building automation system, automatic VFD operation is the responsibility of others, such as a controls / programming specialist contractor. In this case, controls contractor needs to be present and their control wiring / BAS installed and operational.

AUTHORIZED PERSONNEL

Will the person(s) responsible for the entire process be available to verify final operation?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Will all necessary UNION trade personnel be ready and available if they need to be present?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

TRAINING

VFD operation will be reviewed at time of start-up. Will the maintenance person be available?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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SPECIAL REQUIREMENTS (Please list any SPECIFIC concerns/comments):

CUSTOMER'S "READINESS" ACKNOWLEDGMENT

I / We have verified and answered all checklist questions. All questions with a YES response indicate a "readiness" state for the start-up to be efficient and successful. Explanation(s) for any question with a NO response is listed in the SPECIAL REQUIREMENTS section above. **Please note: When authorized service personnel arrive on-site and the above necessary items are not completed, additional charges will apply. Additional charges will be assessed for extended idle time or return visit.**

Name: _____

Company Name: _____

Phone Number: (_____) - _____ - _____

Signature: _____ Date: _____