

Please read and save these instructions for future reference. Read carefully before attempting to assemble, install, operate or maintain the product described. Protect yourself and others by observing all safety information. Failure to comply with these instructions will result in voiding of the product warranty and may result in personal injury and/or property damage.

Model	Voltage/Cycle/Phase	Fan Components		Accessory
		Fan Assembly	Blade Kit	Keypad Control
		Box 1 of 2	Box 2 of 2	Box 1 of 1
DS-3-16-70LV-X-QD*	208-230/60/3 208-277/60/1	DS-3-16-70LV-X-QD	880986	916906
DS-3-20-70LV-X-QD*	208-230/60/3 208-277/60/1	DS-3-20-70LV-X-QD	880984	
DS-3-24-70LV-X-QD*	208-230/60/3 208-277/60/1	DS-3-24-70LV-X-QD	880988	
DS-6-16-70LV-X-QD*	208-230/60/3 208-277/60/1	DS-6-16-70LV-X-QD	880987	
DS-6-20-170LV-X-QD*	208-230/60/3 208-277/60/1	DS-6-20-170LV-X-QD	880985	
DS-6-24-170LV-X-QD*	208-230/60/3 208-277/60/1	DS-6-24-170LV-X-QD	880989	

*Prewired for 208-230/60/3 power

Wiring and Electrical

IMPORTANT: The following instructions only apply if 1 phase power wiring is required for HVLS fan(s). All low voltage HVLS fans (include "LV" in model name) are factory-wired for 3 phase power. **Do not alter factory power wiring if 3 phase power is required.**

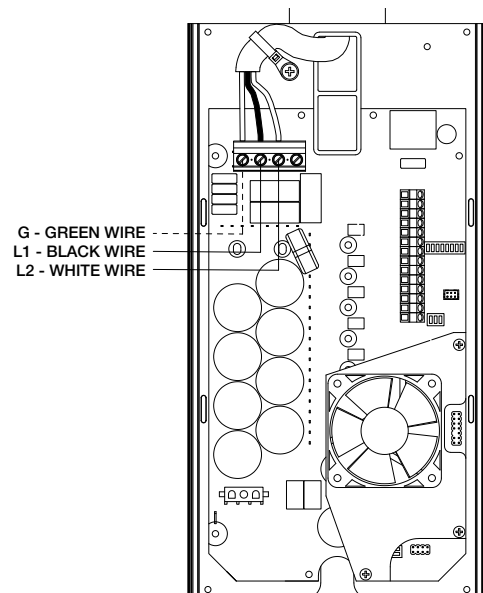
Required Tools

- Socket Wrench with 10 mm Sockets
- Phillips Screwdriver

HVLS Variable Frequency Drive Wiring

1. Unpack and inspect parts carefully.
2. Locate the downtube assembly (box 1 of 2) and the loose, 3 wire power cable (box 1 of 2) in the supplied fan components.
3. Remove the downtube clamps from the rear side of the variable frequency drive using a 10 mm socket wrench. Detach variable frequency drive while carefully pulling factory-installed wiring through rectangular opening in the downtube.
4. Using a Phillips screwdriver, remove the plastic cover from the front of the variable frequency drive.

5. If 1 phase power is required, remove the factory-installed 4 wire power cable and replace with the included 3 wire power cable using the wiring diagram below. Secure 3 wire power cable to the variable frequency drive with the provided strain relief cable tie.



6. Reattach the plastic cover to the front of the variable frequency drive.
7. Feed all wiring on the rear side of the variable frequency drive through the rectangular opening in the downtube until it protrudes from the top of the downtube.
8. Align the variable frequency drive with the downtube and insert the rubber grommet on the rear side of the drive into the rectangular opening in the downtube.

IMPORTANT: The variable frequency drive must be installed with the curved portion of the black plastic cover pointing toward the universal mount. When installed properly, the aluminum heatsink of the variable frequency drive will sit flush against the wall of the downtube and will cover two hex nuts that are welded to the downtube.

9. Reinstall the downtube clamps to secure the variable frequency drive to the downtube. Do not overtighten.
10. Refer to the standard Installation, Operation, and Maintenance Manual for the fan and proceed from the Mounting Installation section to complete fan installation.

Our Commitment

As a result of our commitment to continuous improvement, Greenheck reserves the right to change specifications without notice.

Product warranties can be found online at Greenheck.com, either on the specific product page or in the literature section of the website at Greenheck.com/Resources/Library/Literature.

