

Install a DriveBooster™ all versions

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All safety precautions apply as for the Variable Frequency Drive used.
 Mount a DriveBooster™ with heat sink fins positioned vertically inside a dry room.

Connect the DriveBooster's DC output + - permanently to the VFD's DC bus + - input.
 No switches, fuses, circuit breakers or contacts can be used in the DC line.
 Use a single-phase cable between DriveBooster™ and a VFD, specified for 1000V or more.

Danger: Never run a DriveBooster™ when the output is not connected to a VFD. High energy levels are stored in a DriveBooster™. After disconnecting from AC power, the DC voltage will slowly be discharged and will be present for several minutes. Measure DC voltage first before doing any work.

DC line currents and AC input currents depend on the VFD's power demand only. VFD settings such as motor trip current, acceleration and deceleration determine DC and AC currents of a DriveBooster. As with most VFDs, a DriveBooster™ can be overloaded up to 150% for up to 30 seconds.

See the conversion table below for cable dimensions, terminal blocks, fuses, circuit breakers, switches, contactors and fuses. Use the fuse rating factor for selecting the fuse for a DriveBooster™.

Maximum current at moderate motor acceleration. Amperes in relation to VFD hp rating:

Version	Function	DC line	AC input and fuse recommendation
1L	1ph 240V to 2--V VFD	hp x 4	hp x 6
1D	1ph 240V to 4--V VFD	hp x 2	hp x 6
2H	2ph 480V to 4--V VFD	hp x 2	hp x 3
3L	3ph 240V to 2--V VFD	hp x 4	hp x 4
3D	3ph 240V to 4--V VFD	hp x 2	hp x 4
3H	3ph 4xxV to 4--V VFD	hp x 2	hp x 2

Connect the DriveBooster™ AC input to supply voltage. Three-phase: Sequence is not important.

Use a standard fuse or circuit breaker, not slow or motor-rated. Use circuit breaker for all phases.

For the VFD expert. VFD's without a DC bus connection:
 Connect DC permanently to the plus and minus output of the VFD's internal rectifier or to plus and minus of the VFD's internal capacitor bank.

Larger VFDs check the three-phase inputs. Disable these tests.

Apply AC power to the DriveBooster™. After some seconds a green lamp will indicate that all internal capacitors are fully charged. Use the drive.

The DriveBooster will disconnect from power when the supply voltage becomes unstable. It reconnects after the supply voltage is restored and stable: Start the VFD after the green light is on.