



Franklin Control Systems NEW Q-Link Variable Frequency Drive



FAQs from the product launch in Raleigh, Greensboro and Charlotte

Q. Will there be password protection for the app?

A. The initial release will not have password protection. The second version of the firmware will have this feature and can be updated via the app.

Q. Do you have a performance spec that includes the features?

A. Yes. See the Q-Link Cutsheets attached to the email.

Q. Is there a limit to the number of drives?

A. No, as long as the sum of the amperages of the motors is below the rating of the drive, there is no limit.

Q. Are there plans to add a USB charger on the side to help with cellphone battery drain due to Bluetooth connectivity?

A. No.

Q. Do you have reliability numbers on the field trials?

A. We currently have 17 field trials running. There are nine in Ft. Wayne, IN and eight in Oregon. Development engineering is working on putting together a document to send to customers.

Q. If you have a failure, will the data tell you how long the equipment ran at a specific temp?

A. Yes, the fault logs will give an in-depth look at how the drive is configured when a fault occurs. You will be able to see what the temperature of the drive is when any type of fault occurs.

Q. Can we get a written spec page?

A. Final edits are being made; not available yet.

Q. Can you run it backwards?

A. Yes, the VFD can run the motor backwards at 5Hz.

Q. Can you get a copy of the complete written warranty?

A. Warranty is going to be the same as the P-Drive. (Attached to the email.)

Q. What is the difference between a constant torque application and a variable torque application?

A. *Variable torque loads:* Many types of loads require reduced torque when driven at speeds less than the base speed of the load. Conversely, such loads may require increased torque when driven at speeds greater than the base speed of the load. These are classified as variable torque loads. Many variable torque loads decrease with the square of the speed. This is characteristic of centrifugal pumps, and certain types of fans and blowers. Typically, as the speed decreases, the torque decreases with the square of the speed and the horsepower decreases with the cube of the speed.

Constant torque loads: With constant torque loads, the torque loading is not a function of speed. Typical applications are: Traction drives, Compressors, Conveyors, Positive displacement pumps and Hoists. As the speed changes, the load torque remains constant and the horsepower changes linearly with speed. Constant torque loads cause motors to draw relatively high current at low speeds when compared to variable torque applications. This is why the same size drive may have a lower HP rating for Constant Torque applications.