



HOW TO CHANGE VFD-B TO HI-SPEED

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1 GENERAL

1.1 Application

For high speed spindles the standard 400Hz maximum output frequency of VFD-B is not enough. Therefore the max output frequency can be changed to 2000Hz.

1.2 Firmware

In VFD-B this is possible with **firmware 4.08 and higher!**

The firmware can be read in parameter Pr00-06 and it's indicated in the lower left-hand corner of the product label and the label on the box.

2 PROCEDURE

2.1 Change to hi-speed mode

The procedure to change to high-speed mode is:

- Set Pr00-00=4772¹.
- Set Pr00-02=9 or 10 (Not mandatory but recommended)

2.2 Affected parameter defaults

When set to Hi-speed mode the following parameters are changed:

Parameter	50Hz default Pr00-02=9	60Hz default Pr00-02=10	Hi-speed default Pr00-02=9 or 10
Pr01-00 Fmax	50.0	60.0	600.0
Pr01-01 Fbase	50.0	60.0	600.0
Pr01-03 Fmid	0.5	0.5	5.0
Pr01-05 Fmin	0.5	0.5	5.0
Pr01-14 Jog Freq	1.0	1.0	60.0
Pr02-15 Kbd Freq	50.00	60.00	600.0

2.3 Change back to normal mode

The procedure to change back to normal mode (always with 60Hz defaults) is:

- Set Pr00-00 = 33582².
- Set Pr00-02 = 9 for 50Hz defaults
10 for 60Hz defaults (Not mandatory but recommended)

¹ Easy to remember: “4772” is equal to phone keys HSPB (High Speed VFD-B)

² Easy to remember: “33582” is equal to phone keys DELTA