



HOW TO CHANGE VFD-VE TO HI-SPEED

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1 GENERAL

1.1 Application

For high speed spindles the standard 600Hz maximum output frequency of VFD-VE is not enough. Therefore the max output frequency can be changed to 3600Hz.




1.2 Control Mode

High-speed operation is only possible in V/f Mode.

2 PROCEDURE

2.1 Change to hi-speed mode

The procedure to change to high-speed mode is:

- Set Pr00-02=2. Press 
- Set Pr00-02=5577. Press 
- Set Pr00-02=**84**. Press 

- 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	Hi-speed default Pr00-02=10
Pr01-00 Fmax	50.00	60.00	500.0	600.0
Pr01-01 1 st Output Freq 1	50.00	60.00	500.0	600.0
Pr01-03 2 nd Output Freq 1	0.50		5.0	
Pr01-05 3 rd Output Freq 1	0.50		5.0	
Pr01-07 4 th Output Freq 1	0.00		0.0	
Pr01-09 Start Freq	0.50		5.0	
Pr01-10 Upper Limit	600.00		- ¹	- ¹
Pr01-22 Jog Freq	6.00		60.0	
Pr01-35 1 st Output Freq 2	50.00	60.00	500.0	600.0
Pr01-37 2 nd Output Freq 2	0.50		5.0	
Pr01-39 3 rd Output Freq 2	0.50		5.0	
Pr01-41 4 th Output Freq 2	0.00		0.0	
Pr09-10 Transm. Master Freq	50.00	60.00	500.0	600.0

2.3 Change back to normal mode

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

- Set Pr00-02=2. Press 
- Set Pr00-02=5577. Press 
- Set Pr00-02=**89**. Press 

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

¹ To be defined