

Danfoss VLT HVAC Drive North America Factory Pre-Set Parameters

The following parameters are programmed by the US factory as pre-set parameters based on the application specified on the drive order. They have been selected based on the typical values for the given application in an effort to minimize the programming required during start up.

NOTE:

These values are not necessarily the VLT's factory default parameters. After re-initializing a drive - the parameter values may be different from those listed below.

FC 102 pre-set Fan Parameters

Parameter Number	Parameter Name	Parameter Value
0-01	Language	[22] English US
0-03	Regional Settings	[1] North America
1-73	Flying Start	[1] Enabled
1-82	Min Speed for Function at Stop [Hz]	0.0 Hz
3-02	Minimum Reference	6.000 Hz
3-41	Ramp 1 Ramp Up Time	60.00 s
3-42	Ramp 1 Ramp Down Time	60.00 s
3-51	Ramp 2 Ramp Up Time	60.00 s
3-52	Ramp 2 Ramp Down Time	60.00 s
3-80	Jog Ramp Time	60.00 s
4-12	Motor Speed Low Limit [Hz]	6.0 Hz
5-42.0	Off Delay, Relay (1)	2.00 s
6-14	Terminal 53 Low Ref./Feedback Value	6.000

FC 102 pre-set Pump Parameters

Parameter Number	Parameter Name	Parameter Value
0-01	Language	[22] English US
0-03	Regional Settings	[1] North America
1-82	Min Speed for Function at Stop [Hz]	0.0 Hz
2-17	Over-voltage Control	[0] Disabled
3-02	Minimum Reference	18.000 Hz
3-41	Ramp 1 Ramp Up Time	10.00 s
3-42	Ramp 1 Ramp Down Time	10.00 s
3-51	Ramp 2 Ramp Up Time	10.00 s
3-52	Ramp 2 Ramp Down Time	10.00 s
3-80	Jog Ramp Time	10.00 s
4-10	Motor Speed Direction	[0] Clockwise
4-12	Motor Speed Low Limit [Hz]	18.0 Hz
5-42.0	Off Delay, Relay	2.00 s
6-14	Terminal 53 Low Ref./Feedback Value	18.000

FC 102 pre-set Cooling Tower Fan Parameters

Parameter Number	Parameter Name	Parameter Value
0-01	Language	[22] English US
0-03	Regional Settings	[1] North America
1-73	Flying Start	[1] Enabled
1-82	Min Speed for Function at Stop [Hz]	0.0 Hz
3-02	Minimum Reference	20.000 Hz
3-41	Ramp 1 Ramp Up Time	60.00 s
3-42	Ramp 1 Ramp Down Time	60.00 s
3-51	Ramp 2 Ramp Up Time	60.00 s
3-52	Ramp 2 Ramp Down Time	60.00 s
3-80	Job Ramp Time	60.00 s
4-12	Motor Speed Low Limit [Hz]	20.0 Hz
5-42.0	Off Delay, Relay	2.00 s
6-14	Terminal 53 Low Ref./Feedback Value	20.000

FC 102 pre-set Electro-Mechanical Bypass 2 (EMB2) Parameters

Parameter Number	Parameter Name	Parameter Value
5-02	Terminal 29 Mode	[1] Output
5-11	Terminal 19 Digital Input	[52] Run permissive
5-12	Terminal 27 Digital Input	[2] Coast inverse
5-31	Terminal 29 Digital Output	[160] No alarm
5-40.0	Function Relay (1)	[167] Start command act.

FC 102 pre-set Electronically-Controlled Bypass (ECB) Parameters

Parameter Number	Parameter Name	Parameter Value
5-12	Terminal 27 Digital Input	[0] No Operation