

The VLT® 5000 FLUX is the latest development from Danfoss Drives designed to fulfil the high performance market for closed loop AC drives.

The VLT® 5000 FLUX is a genuine flux vector control including the newest technology for motor controls.

Benefits

- Simple installation and commissioning.
- Flexible high performance Flux Vector drive
- Operating with normal Asynchronous motors
- Based on the highly reliable VLT® 5000 Series from Danfoss Drives
- Robust and fast torque control
- Additional input for disabling output power stage.

Applications

- Hoisting
- Precise positioning
- Elevators
- Centrifuges
- Decanter
- Torque control
- Injection Molding
- Dynamometers

Technical Specification

Line Voltage:	200 – 240 VAC and 380 - 500 VAC ± 10%; 47 – 63 Hz
Power range:	1-500 HP
Overload	160% for 60 sec. 180% for 0.5 sec.
Output Frequency:	0 – 300 Hz
Analogue inputs:	3 (2 ± 10 volt and 1 ± 0, 4 – 20 mA)
Digital inputs:	9 (8 configurable and 1 hardware coast, enable/disable output stage)
Analog Outputs:	2 configurable. 0.4 – 20 mA
Digital Outputs:	2 configurable. (1 frequency output; scalable 50 kHz.)
Relay outputs:	2 (1 piece 50VAC/1A, NO; 1 piece 240 VAC/2A, NO/NC)
Enclosure:	Chassis IP00, IP20, NEMA1, NEMA12
Ambient Temperature:	45 °C.

Communication

VLT® 5000 FLUX utilizes the Danfoss Drives Dialog software.
 Direct from PC to drive via RS232.
 RS 485, Profibus and DeviceNet



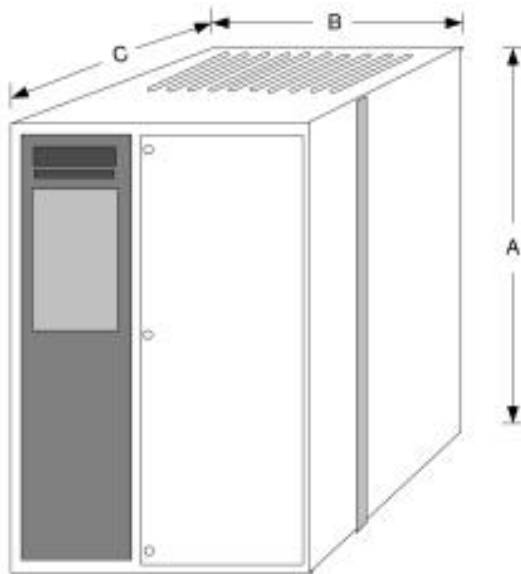
Contact Esys for more information about this product:
 Esys® The Energy Control Company™
 4520 Stine Road, Ste 7
 Bakersfield, CA 93313
 (661) 833-1902

email: esys@esys.us
 website: <http://www.esys.us>



Features:

- VLT® 5000 Family concept in programming and power hardware
- High bandwidth response
- Continuous 100% torque at zero speed
- 1000:1 speed range
- Speed response: <3 ms
- Speed accuracy (w/4096 ppr encoder):0.001 RPM
- Full torque at < 2ms
- Robust flying start function
- Logical menu structure
- Automatic Motor Adaptation, AMA
- Automatic dynamic adjustment of motor parameters from motor temperature
- Quick menu setup
- Phase-loss monitoring standard
- Feedback Device: Incremental and absolute encoder supported (512-10,000 pulses per revolution) uses standard encoders
- Extended encoder surveillance. Continues check of connections
- Additional Positioning and Synchronizing Control (SyncPos)
- Additional CAM functions on SyncPos option module
- Password and function lock out security
- Encoder loss protection



Dimensions (IP20)

VLT® Type (Flux)	Power size HP	Dim A inches	Dim B inches	Dim C inches
5001-5005	0,75-3,0	395	90	260
5006-5011	4,0-7,5	395	130	260
5016-5022	15-18,5	560	242	260
5027-5032	22-30	700	242	260
5042-5062	37-55	800	308	296
5075-5100	75-90	975	370	335
5125-5250	110-200	1575	420	400
5300-5500	250-400	2010	1200	600



Contact Esys for more information about this product:
 Esys® The Energy Control Company™
 4520 Stine Road, Ste 7
 Bakersfield, CA 93313
 (661) 833-1902

email: esys@esys.us
 website: <http://www.esys.us>

