

VLT® Micro Drive

VLT® Micro Drive FC51

The VLT Micro Drive FC 51 is a robust and compact drive for OEM applications upto 7,5 kW. As part of the new VLT generation drives the FC 51 offers the best possible reliability, userfriendliness and efficiency. Moreover the FC 51 is extremely easy to install and operate.



Application	General applications
Powerrange	0,18 - 7,5 kW
Torque characteristics	CT 150%
Supply voltage	1 phase 200-240V 3 phase 200-240V 3 phase 380-480V
Enclosure	IP20
Coating	Class 3C2 standard, class 3C3 optional
Control principle	VVCplus
Length motorcable	15 mtr (screened) 50 mtr (non-screened)
Inputs	Analog 2 / Digital 5 / Pulse 1
Outputs	Analog 1 / Relay 1
Special functions	Automatic Motor Adaption (AMA) Automatic Energy Optimization integrated logic controller flying start
Motor protection	Electronic thermic protection
Drive protection	Temperature heatsink, short-circuit on motor terminals and protection against earth faults
Control	Numeric display with or without potentiometer
Communication	RS485 interface, Modbus RTU
Env. temperature	max. 50 degr. C
Options	IP21/Nema 1 kit, LCP-kit for remote mounting of display, decoupling plate, Din rail mounting kit

Danfoss VLT Drives

0870 241 7100

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www.driveconfigurator.com

VLT® Micro Drive

FC51 1 phase 200-240Vac

CT 150%

ST Standard Version (IP20, RFI class 1A, excl. display, incl. coating)

	Articlenr.	Price GBP	
ST			
0,18 kW / 1,2 A	132F0001	106	
0,37 kW / 2,2 A	132F0002	114	
0,75 kW / 4,2 A	132F0003	131	
1,5 kW / 6,8 A	incl. brakechopper	132F0005	177
2,2 kW / 9,6 A	incl. brakechopper	132F0007	221

Attention: the (minimum) order quantity of the VLT Micro Drive is 6 pcs or a multiple of 6.

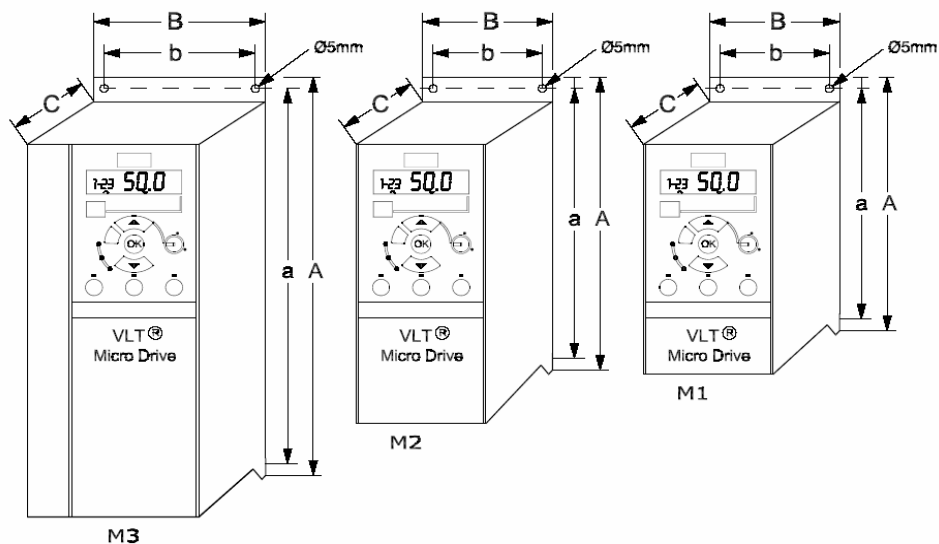
Dimensions	A	B	C	a	b	Weight
0,18 - 0,75 kW (M1)	150	70	148	140,4	55	1,1 kg
1,5 kW (M2)	176	75	168	166,4	59	1,6 kg
2,2 kW (M3)	239	90	194	226	69	3,0 kg

Min. space under and above housing 100 mm

The VLT Micro Drive can be mounted side-by-side

Dimension C excl. potentiometer

When using a decouplingplate add 55 mm to dimension A.



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VLT® Micro Drive

FC51 3 phase 200-240Vac

CT 150%

ST Standard Version (IP20, RFI class 1A, excl. display, incl. coating)

	Articlenr.	Price GBP	
ST			
0,25 kW / 1,5 A	132F0008	128	
0,37 kW / 2,2 A	132F0009	134	
0,75 kW / 4,2 A	132F0010	154	
1,5 kW / 6,8 A	incl. brakechopper	132F0012	209
2,2 kW / 9,6 A	incl. brakechopper	132F0014	260
3,7 kW / 15,2 A	incl. brakechopper	132F0016	320

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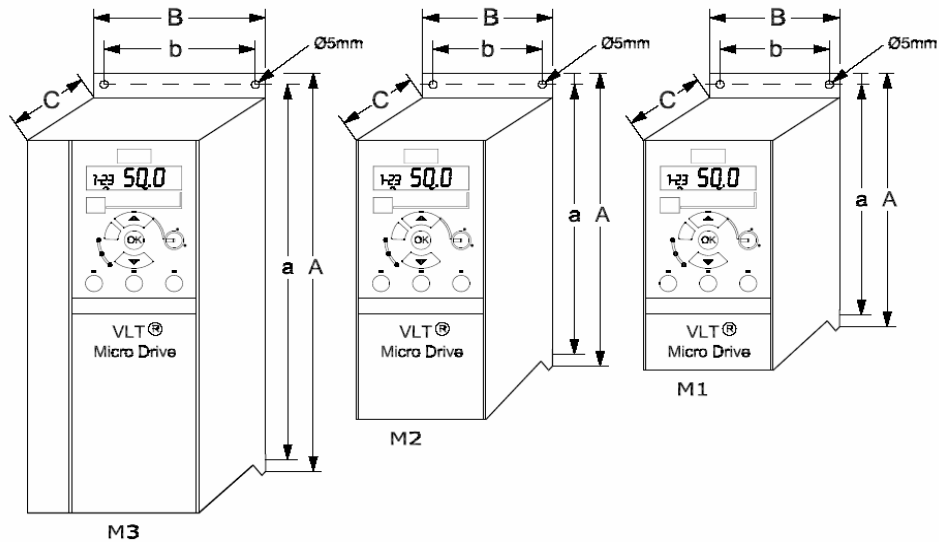
Dimensions	A	B	C	a	b	Weight
0,18 - 0,75 kW (M1)	150	70	148	140,4	55	1,1 kg
1,5 kW (M2)	176	75	168	166,4	59	1,6 kg
2,2 kW - 3,7 kW (M3)	239	90	194	226	69	3,0 kg

Min. space under and above housing 100 mm

The VLT Micro Drive can be mounted side-by-side

Dimension C excl. potentiometer

When using a decouplingplate add 55 mm to dimension A.



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VLT® Micro Drive

FC51 3 phase 380-480Vac

CT 150%

ST Standard Version (IP20, RFI class 1A, excl. display, incl. coating)

	Articlenr.	Price GBP	
ST			
0,37 kW / 1,2 A	132F0017	167	
0,75 kW / 2,2 A	132F0018	191	
1,5 kW / 3,7 A	incl. brakechopper	132F0020	258
2,2 kW / 5,3 A	incl. brakechopper	132F0022	323
3 kW / 7,2 A	incl. brakechopper	132F0024	367
4 kW / 9 A	incl. brakechopper	132F0026	397
5,5 kW / 12 A	incl. brakechopper	132F0028	463
7,5 kW / 15,5 A	incl. brakechopper	132F0030	526

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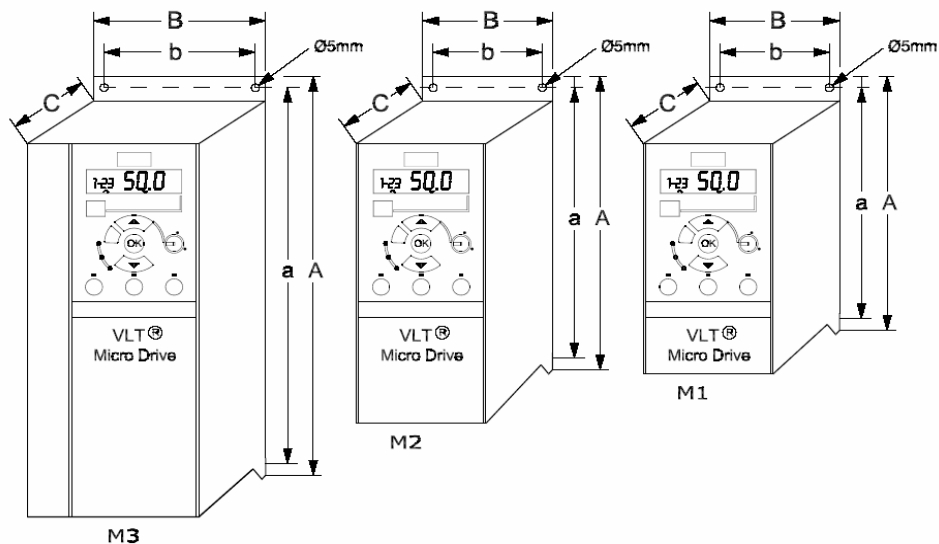
Dimensions	A	B	C	a	b	Weight
0,37 - 0,75 kW (M1)	150	70	148	140,4	55	1,1 kg
1,5 kW (M2)	176	75	168	166,4	59	1,6 kg
2,2 kW - 7,5 kW (M3)	239	90	194	226	69	3,0 kg

Min. space under and above housing 100 mm

The VLT Micro Drive can be mounted side-by-side

Dimension C excl. potentiometer

When using a decouplingplate add 55 mm to dimension A.



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Options for the VLT Micro Drive

Description	Articlenr.	Price GBP
Display LCP 11 w/o potentiometer	132B0100	20
Display LCP 12 with potentiometer	132B0101	20
Remote mounting kit for LCP	132B0102	9
De-coupling plate kit for M1 and M2 frames	132B0106	5
De-coupling plate kit for M3 frame	132B0107	5
DIN rail mounting kit for M1	132B0111	3
IP21-kit for M1 frame	132B0108	9
IP21-kit for M2 frame	132B0109	11
IP21-kit for M3 frame	132B0110	13
Nema type 1 kit for M1 frame	132B0103	6
Nema type 1 kit for M2 frame	132B0104	7
Nema type 1 kit for M3 frame	132B0105	7