

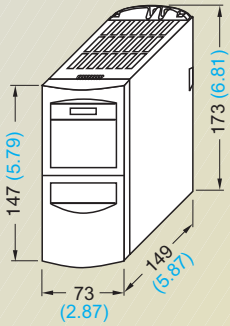
# MICROMASTER 420

## Dimension drawings

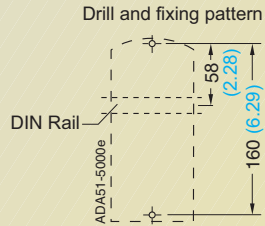
### MICROMASTER 420 inverter

Frame size	1/3 AC 200 V to 240 V	3 AC 380 V to 480 V
<b>A</b>	0.12 kW to 0.75 kW	0.37 kW to 1.5 kW
<b>B</b>	1.1 kW to 2.2 kW	2.2 kW to 4 kW
<b>C</b>	3 kW to 5.5 kW	5.5 kW to 11 kW

**Note:**  
The inverters must not be mounted horizontally.  
But the inverters can be mounted without lateral spacing.

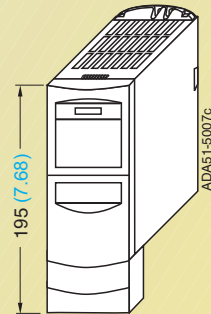


Inverter frame size **A**

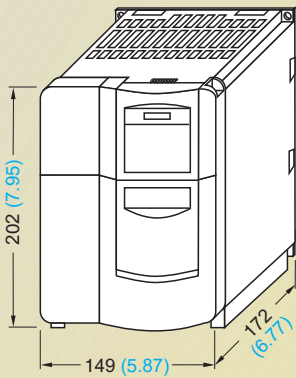


Fixing with  
2 x M4 bolts, 2 x M4 nuts, 2 x M4 washers,  
or snap onto the DIN rail  
Tightening torque with washers fitted:  
2.5 Nm

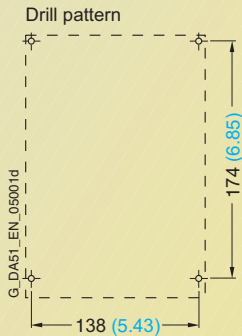
Ventilation clearance required at top and  
bottom: 100 mm



Inverter frame size **A**  
with **gland plate**

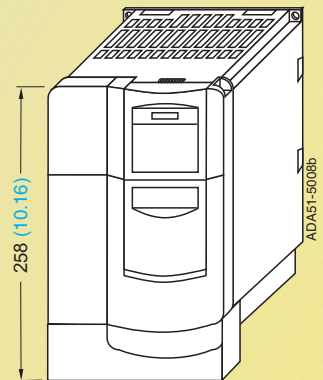


Inverter frame size **B**

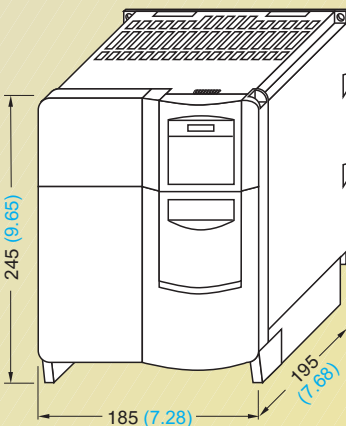


Fixing with  
4 x M4 bolts, 4 x M4 nuts, 4 x M4 washers  
Tightening torque with washers fitted:  
2.5 Nm

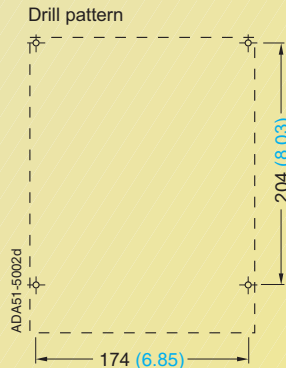
Ventilation clearance required at top and  
bottom: 100 mm



Inverter frame size **B**  
with **gland plate**

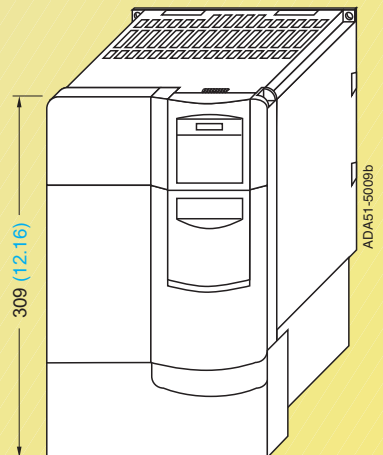


Inverter frame size **C**



Fixing with  
4 x M5 bolts, 4 x M5 nuts, 4 x M5 washers  
Tightening torque with washers fitted:  
3.0 Nm

Ventilation clearance required at top  
and bottom: 100 mm

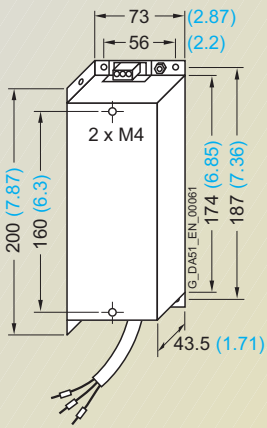


Inverter frame size **C**  
with **gland plate**

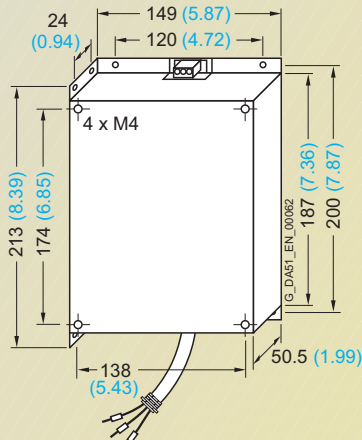
With the communications module, the mounting depth  
increases by 23 mm (0.91 inches).

All dimensions in mm (values in brackets are in inches)

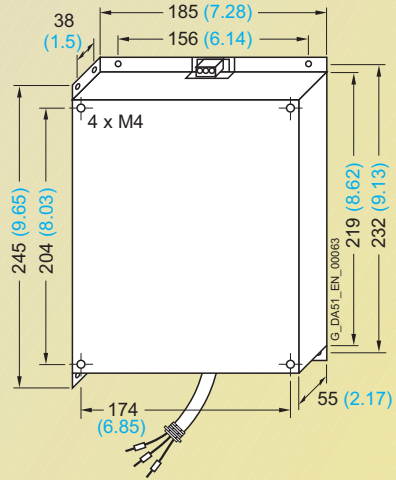
### Filters and chokes



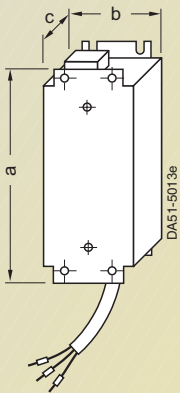
Filter frame size **A**



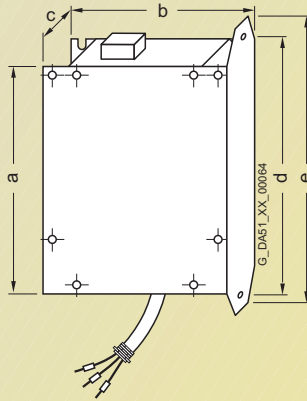
For frame size **B**



For frame size **C**

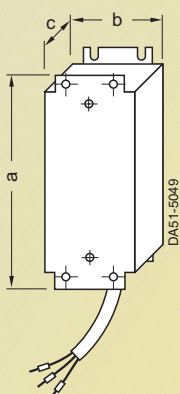


Line commutating choke for frame size **A**

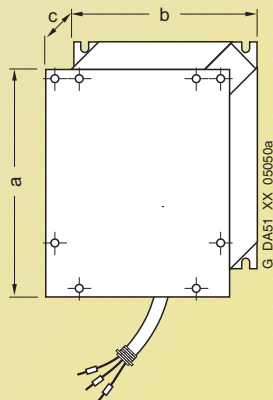


For frame sizes **B** and **C**

Line commutating choke for	Dimensions					Weight (max.) kg
	a	b	c	d	e	
Frame size <b>A</b>	200 (7.87)	75.5 (2.97)	50 (1.97)	-	-	1.4
Frame size <b>B</b>	213 (8.39)	150 (5.91)	50 (1.97)	220 (8.66)	233 (9.17)	2.2
Frame size <b>C</b>	245 (9.65)	185 (7.28)	50 (1.97)	264 (10.39)	280 (11.02)	5.1



Output choke for frame size **A**  
6SE6400-3TC00-4AD2  
6SE6400-3TC00-4AD3

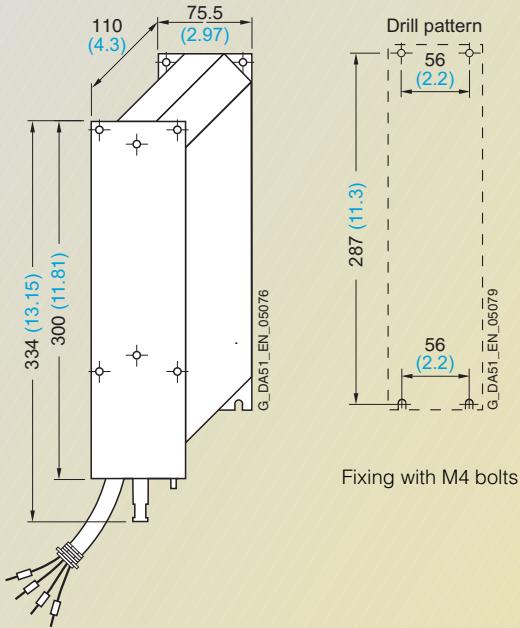


For frame sizes **B** and **C**  
6SE6400-3TC01-0BD3  
6SE6400-3TC03-2CD3

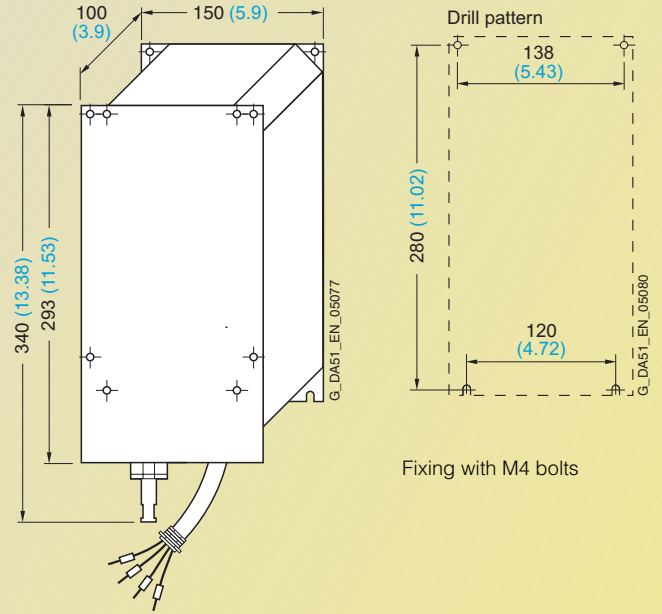
Output choke type 6SE6400-	Dimensions			Weight (max.) kg
	a	b	c	
3TC00-4AD2	200 (7.87)	75.5 (2.97)	110 (4.33)	1.9
3TC00-4AD3	200 (7.87)	75.5 (2.97)	50 (1.97)	1.3
3TC01-0BD3	213 (8.39)	150 (5.91)	80 (3.15)	4.1
3TC03-2CD3	245 (9.65)	185 (7.28)	80 (3.15)	6.6

## Dimension drawings

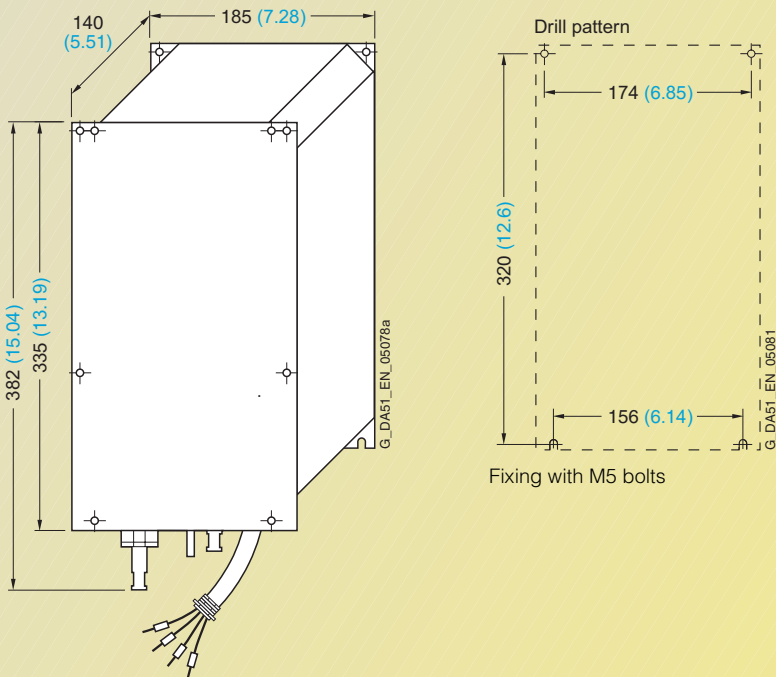
### LC filter



LC filter for frame size A



LC filter for frame size B



LC filter for frame size C