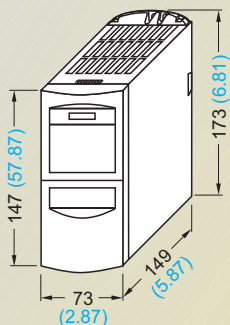


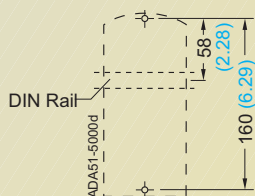
# MICROMASTER 420 Inverter

Frame size	200 V to 240 V 1/3 AC	380 V to 480 V 3 AC
<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

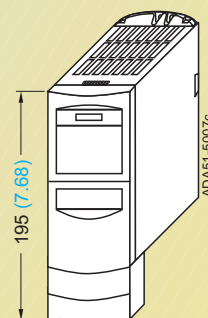


**Inverter frame size A**

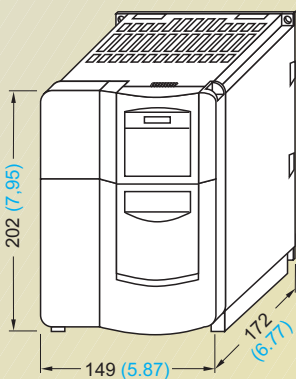
### Drill and fixing pattern



Fixing with  
2 bolts M4, 2 nuts M4,  
2 washers M4  
or snap on to the DIN rail  
Tightening torque with  
washers fitted: 2.5 Nm  
Ventilation clearance required  
at top and bottom: 100 mm

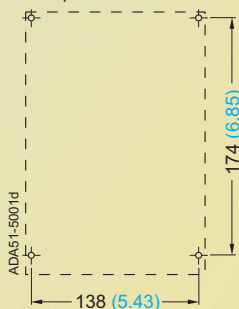


**Inverter frame size A  
with gland plate**

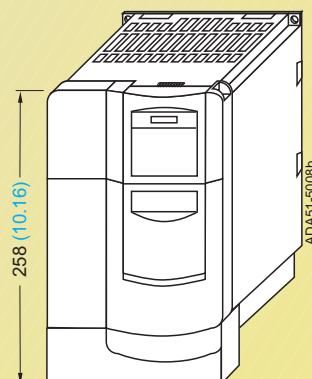


**Inverter frame size B**

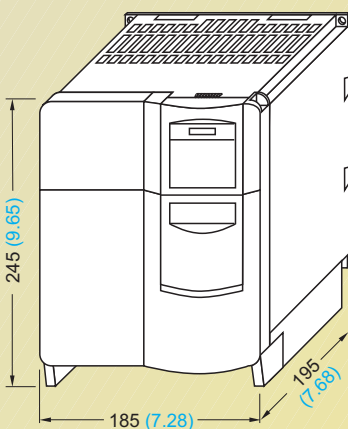
### Drill pattern



Fixing with  
4 bolts M4, 4 nuts M4,  
4 washers M4  
Tightening torque with  
washers fitted: 2.5 Nm  
Ventilation clearance required  
at top and bottom: 100 mm

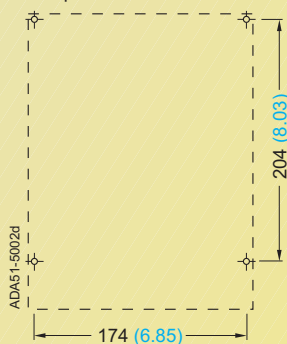


**Inverter frame size B  
with gland plate**

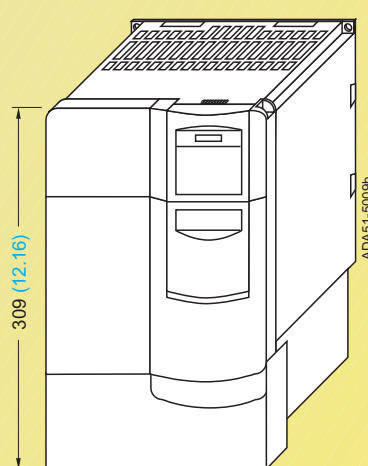


**Inverter frame size C**

### Drill pattern



Fixing with  
4 bolts M5, 4 nuts M5,  
4 washers M5  
Tightening torque with  
washers fitted: 3.0 Nm  
Ventilation clearance required  
at top and bottom: 100 mm

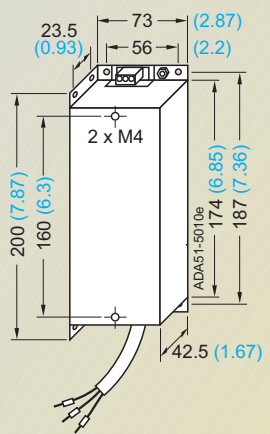


**Inverter frame size C  
with gland plate**

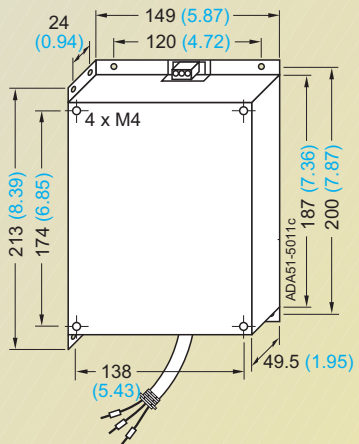
With the communications module, the mounting depth increases by 23 mm (0.91 inches).

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

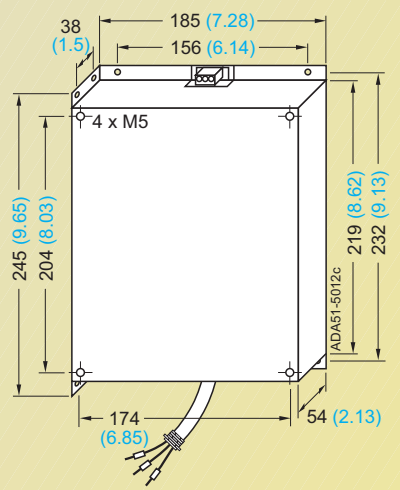
# Filters and Chokes



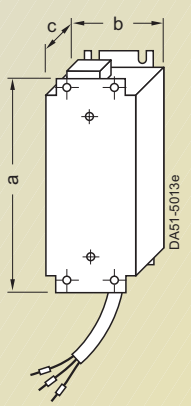
**Filter for frame size A**



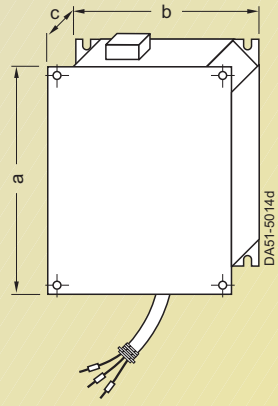
**for frame size B**



**for frame size C**

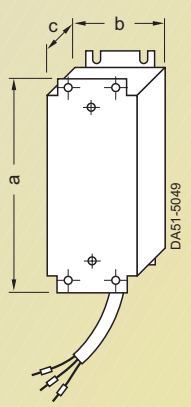


**Line commutating choke for frame size A**

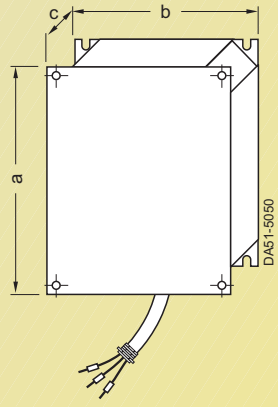


**for frame sizes B and C**

Line commutating choke for	Dim.			Weight (max.) kg
	a	b	c	
frame size <b>A</b>	200 (7.87)	75.5 (2.97)	50 (1.97)	0.8
frame size <b>B</b>	213 (8.39)	150 (5.91)	50 (1.97)	1.3
frame size <b>C</b>	245 (9.65)	185 (7.28)	50 (1.97)	2.3



**Output choke for frame size A**

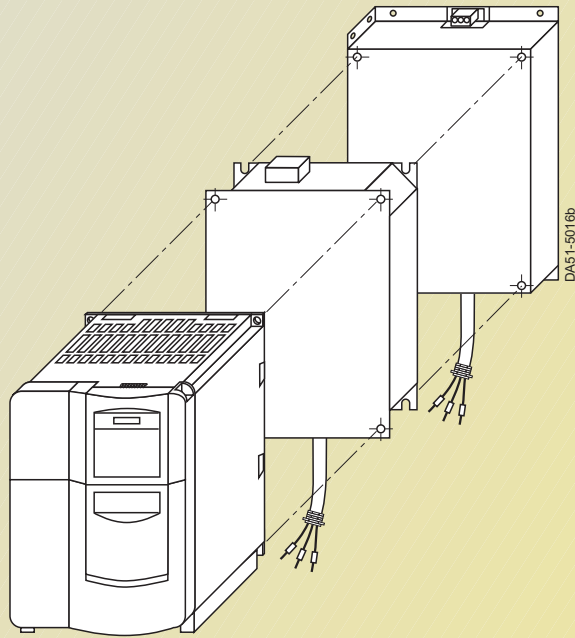


**for frame sizes B and C**

Output choke for	Dim.			Weight (max.) kg
	a	b	c	
frame size <b>A</b>	200 (7.87)	75.5 (2.97)	50 (1.97)	0.8
frame size <b>B</b>	213 (8.39)	150 (5.91)	70 (2.76)	3.4
frame size <b>C</b>	245 (9.65)	185 (7.28)	80 (3.15)	5.6

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

## Assembly of inverter and options



Example:  
Assembly of inverter, choke  
and filter

If additional accessories are  
required, they must be mounted  
at the side.