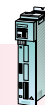


SIMOVER MASTERDRIVES Vector Control

Dimension Drawings

Compact PLUS units

Compact PLUS units



Converters

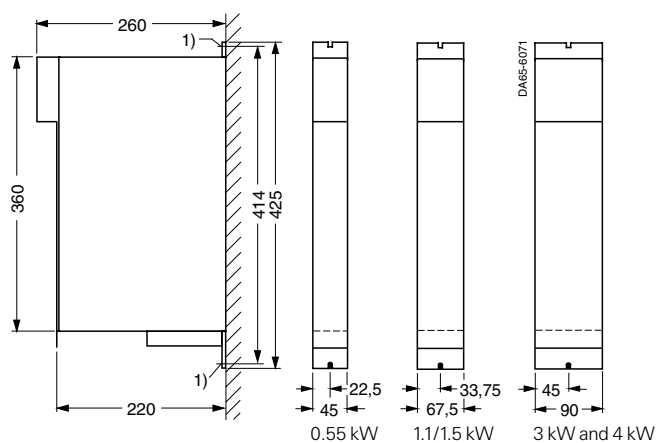


Fig. 1

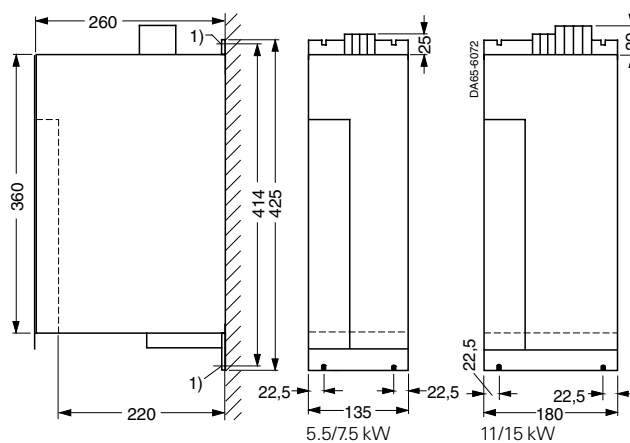


Fig. 2

Inverters

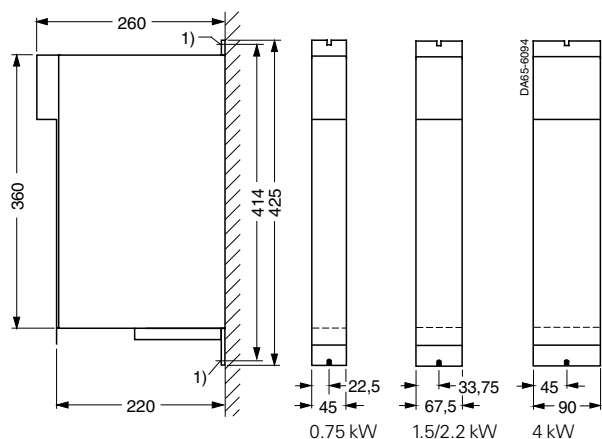


Fig. 3

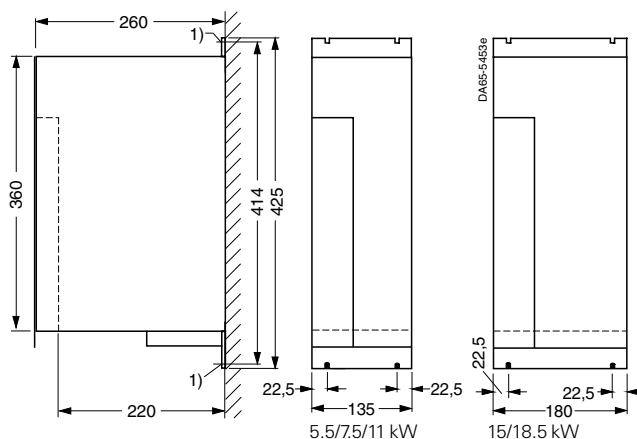


Fig. 4

Rectifiers units

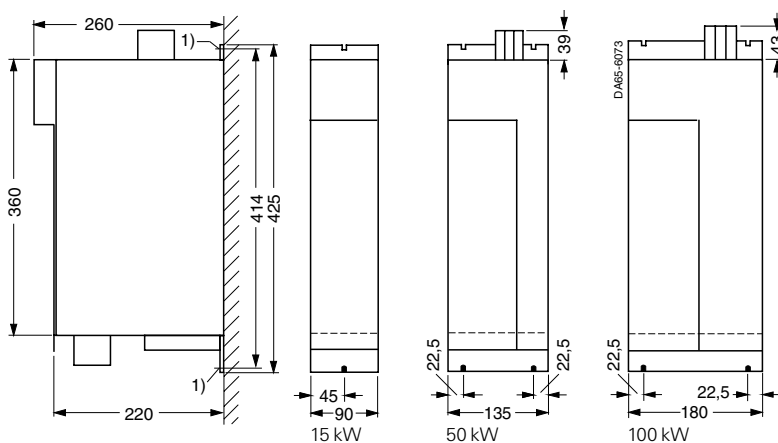


Fig. 5

1) Retaining bolts: M 5.

SIMOVER MASTERDRIVES Vector Control

Dimension Drawings



Compact and chassis units

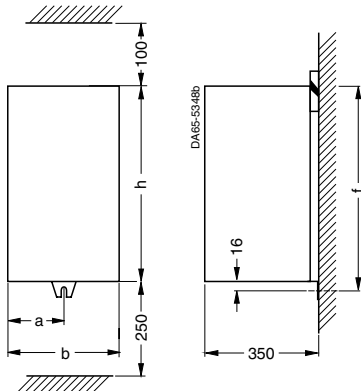


Fig. 6

**Sizes A, B, C and D
converters, inverters, AFE inverters,
rectifier unit sizes B and C,
rectifier/regenerative unit size C**

Type	a	b	f	h
6SE70...A	45	90	425	425
6SE70...B	67.5	135	425	425
6SE70...C	90	180	600	600
6SE70...D	45 ¹⁾	270	600	600

1) For size D two lugs left and right.

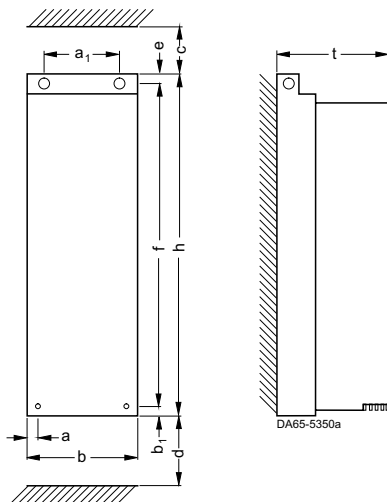


Fig. 8

**Sizes E, F and G
Converter, inverter, AFE inverter**

Type	a	a ₁	b	b ₁	c	d	e	f	h	t
Converter/ inverter										
6SE70...E	45	180	270	10	350	400	15	1025	1050	365
6SE70...F	45	270	360	10	350	400	15	1025	1050	365
6SE70...G	119	270	508	25	350	320	50	1375	1450	465

Compact units

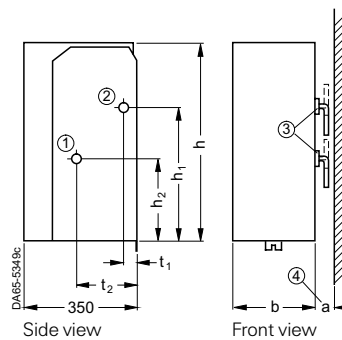


Fig. 7

**Sizes B, C and D
water-cooled converter and inverter
position of the water connections**

Type	a	b	h	h ₁	h ₂	t ₁	t ₂
6SE70...B	65	135	425	380	140	85	140
6SE70...C	65	180	600	500	290	105	43
6SE70...D	65	270	600	390	254	35	220

- ① Feed
- ② Return
- ③ Threaded elbow joint (enclosed)
- ④ Space for water connections at the side

Notes

Return: upper connection
Feed: Lower connection
Supply of water:
G 1/2" male thread, flat sealing
Working pressure: max. 1 bar

Chassis units · Converter/inverter

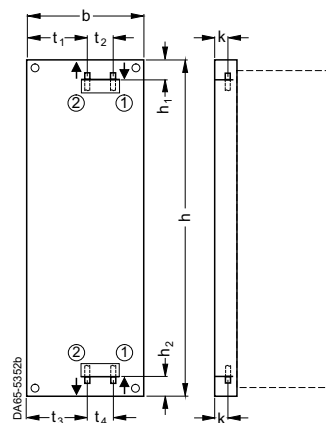


Fig. 9

**Sizes E, F and G
water-cooled converter and inverter
position of the water connection**

Type	b	h	h ₁	h ₂	t ₁	t ₂	t ₃	t ₄	k
Converter/ inverter									
6SE70...E	270	1050	42	25	117	56	91	56	30
6SE70...F	360	1050	42	25	207	56	181	56	30
6SE70...G	508	1450	31	40	233	66	191	66	40

- ① Feed
- ② Return

Notes

Seal-off unused water connections with screw and seal (enclosed).

Water supply:
Size E and F,
male thread G 1/2", flat proof

Size G,
male thread G 3/4", flat proof

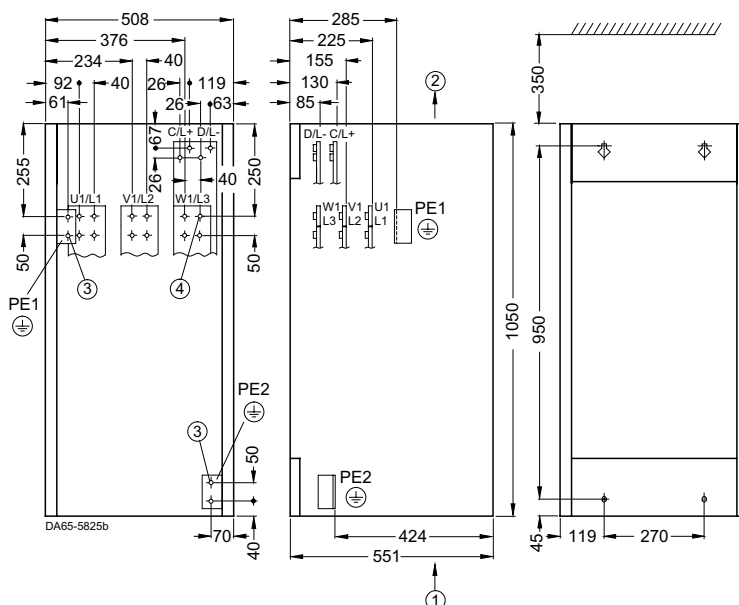
Working pressure:
max. 1 bar

Chassis units

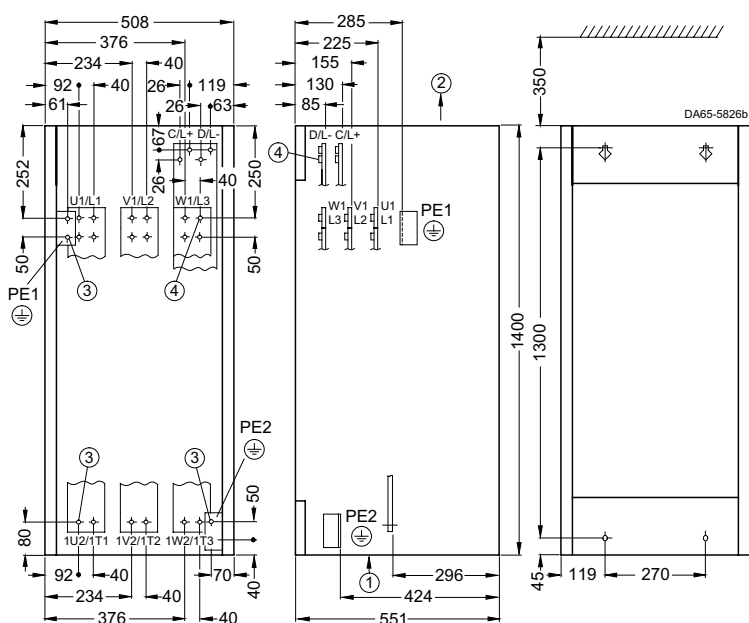
Rectifier units and rectifier/regenerative units



Size E
Rectifier unit,
rectifier/regenerative unit



Size H
Rectifier unit



Size H
Rectifier/regenerative unit

- ① Air inlet, e.g. up to the closed cabinet base or cable duct
- ② Air outlet up to a reflecting surface, e.g. ceiling or closed roof
- ③ Through-hole for M 12 bolt
- ④ M 12 thread
- ⑤ Through-hole for M 8 bolt
- ⑥ Through-hole for power connections
M 16 for 6SE7036-1EE85-0AA0, 6SE7034-2FE85-0AA0,
6SE7035-4FE85-0AA0, 6SE7034-2HE85-0AA0
and 6SE7035-4HE85-0AA0
M 12 for all other units
- ⑦ Pre-fitted terminal for PE
M 16 for 6SE7036-1EE85-0AA0, 6SE7034-2FE85-0AA0,
6SE7035-4FE85-0AA0, 6SE7034-2HE85-0AA0
and 6SE7035-4HE85-0AA0
M 12 for all other units
- ⑧ Lifting eye Ø 30 mm
- ⑨ Front cover (doors) and terminal cover, only with IP20 version



SIMOVERT MASTERDRIVES Vector Control Dimension Drawings

Compact and chassis units

Chassis units
Rectifier units and rectifier/regenerative units

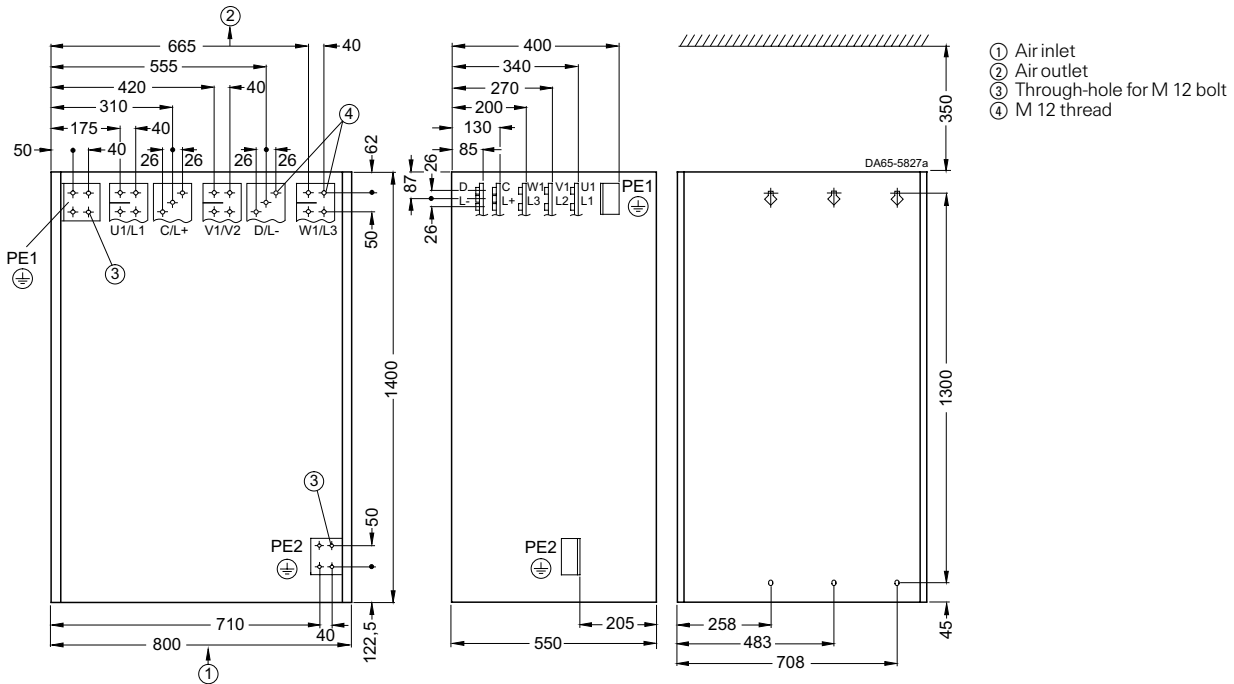


Fig. 17

Size K
Rectifier unit

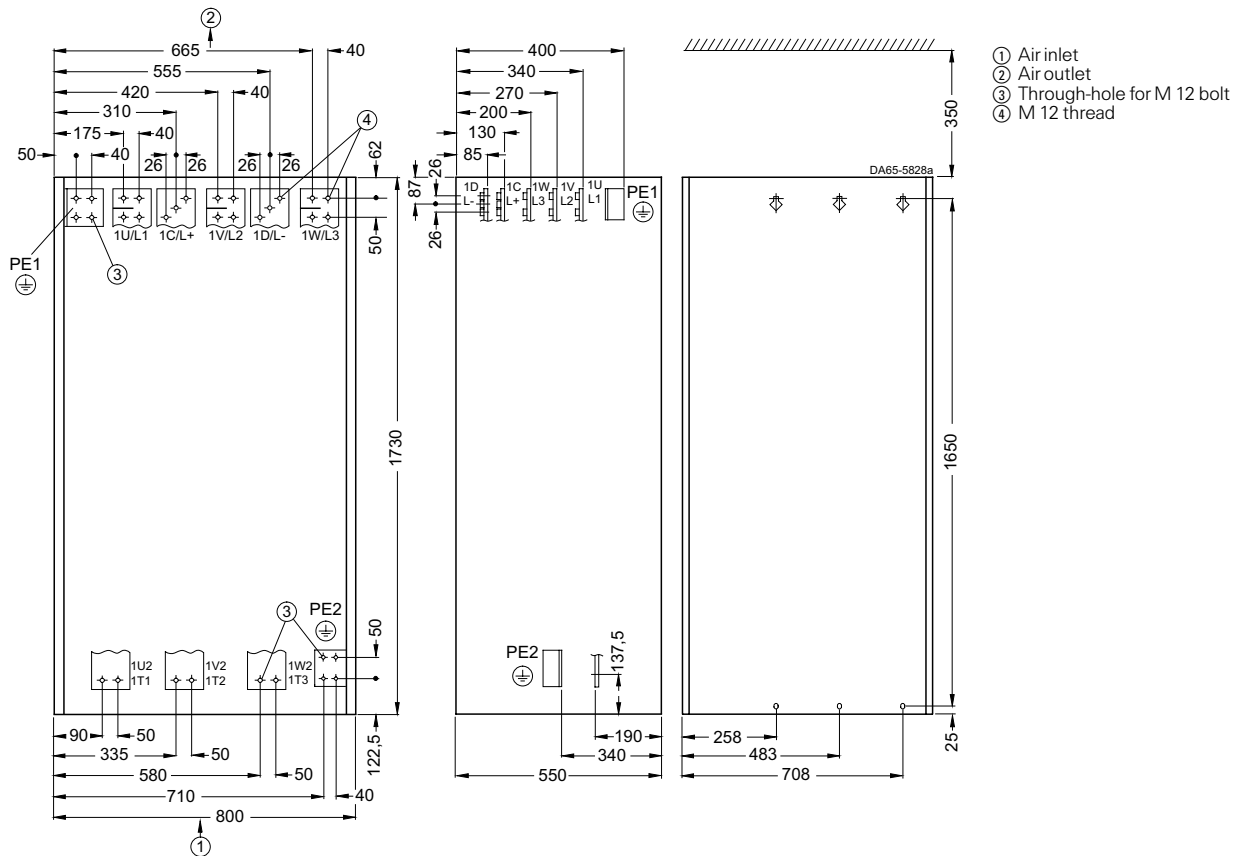


Fig. 18

Size K
Rectifier/regenerative units

SIMOVER MASTERDRIVES Vector Control

Dimension Drawings

Overcurrent protector units (OCP)

Compact and chassis units

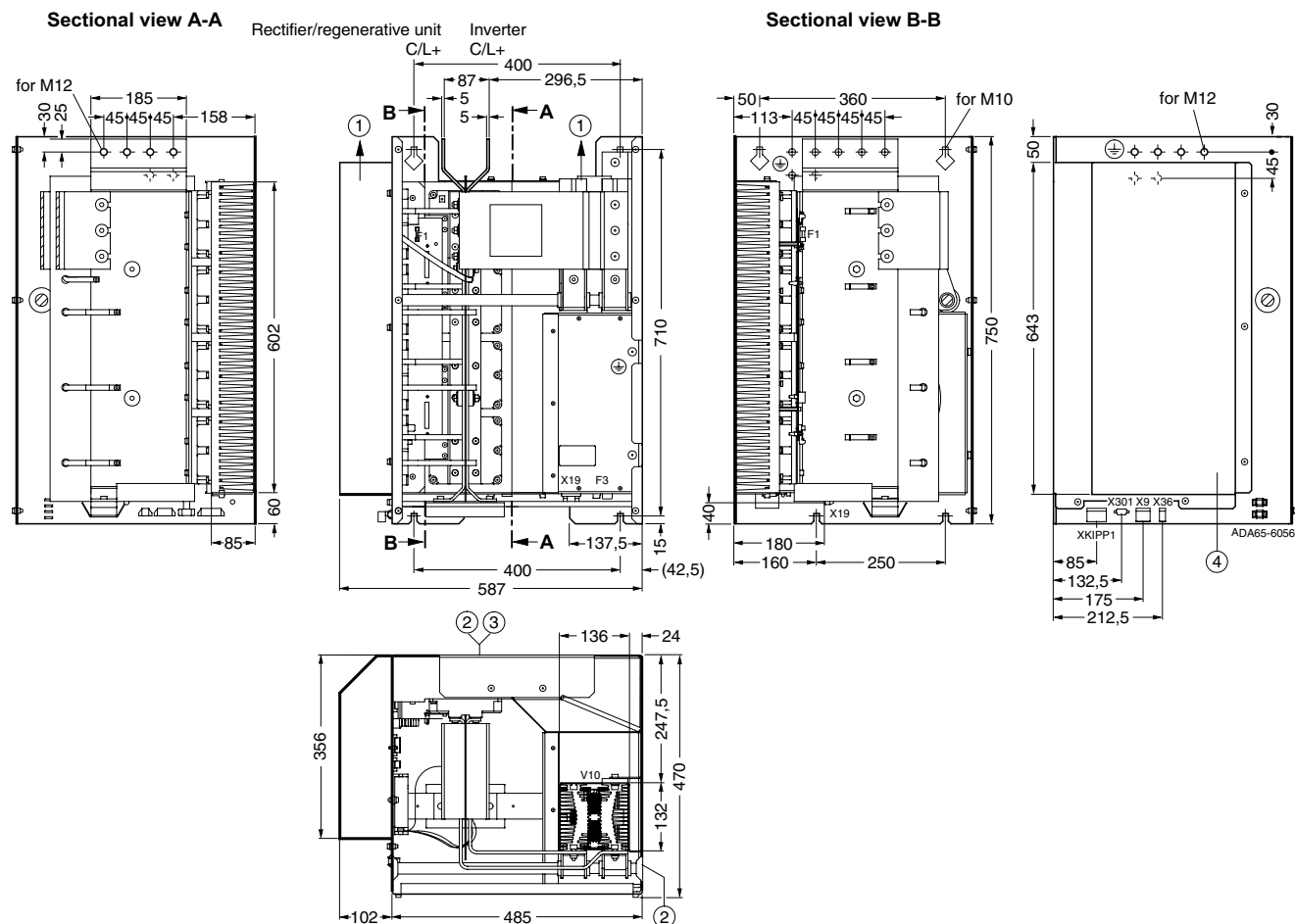


Fig. 19

- ① Air outlet
- ② Optional mounting surfaces for wall mounting
- ③ Optional mounting surfaces for horizontal mounting

- ④ Optional air duct (Mounting 5 x M 6)
If operated without an air conduit, it must be ensured that air can escape unhindered.
Circulation of exhaust air must be excluded.

Max. wire cross-section for cable with cable lug to DIN 46 234:
8 x 250 mm²

Tightening torque for customer connections:
C/L + = 44 Nm
⊕ = 60 Nm