



## COMPACT SERIES

For easy maintenance on high voltage switchgear

B057R..

### SF<sub>6</sub> gas service carts

The model series in its robust design offers different versions with vacuum compressor or suction pump for liquid storage. SF<sub>6</sub> gas can be recovered to a final vacuum of < 5 mbar or 1 mbar and exceeds IEC 62271-4 regulations by far.

All devices of this type series are equipped with a semi-automatic control and are easy to operate:

The functions are selected by means of a 3-way ball valve and a 7" multi-touch panel. The pressure units (bar/mbar, kPa or psi/torr) can be chosen on the operating panel.

The Compact series is the perfect choice in case a robust and user-friendly device is required for maintenance works on high voltage switchgear.



B057R17

- Devices for storage in gaseous or liquid form
- SF<sub>6</sub> gas recovery down to < 5 mbar or 1 mbar
- Semi-automatic control and 7" operating panel
- Residual gas recovery down to 5 or 1 mbar during filter change
- Reduction to transport pressure as integrated special function
- All versions are available with tanks which can be assembled under the device with CE marking also available with SQL and ASME approval

## COMPACT SERIES



For the recovery of SF<sub>6</sub> < 5 mbar with liquid storage

B057R03

**SF<sub>6</sub> gas service cart**



### Technical data:

Dimensions: L 1,850 mm, W 950 mm, H 1,220 mm
Weight: 580 kg

### Standard equipment:

TM 5.0 B oilfree DILLO compressor; delivery rate: (6,5 m <sup>3</sup> /h ([at 50/60 Hz]) at medium suction pressure with SF <sub>6</sub> )
Vacuum compressor for recovery of SF <sub>6</sub> (4,8 m <sup>3</sup> /h [at 50 Hz]; 5,8 m <sup>3</sup> /h [at 60 Hz], final vacuum < 5 mbar)
Vacuum pump for evacuation of air (40 m <sup>3</sup> /h [at 50 Hz]; 48 m <sup>3</sup> /h [at 60 Hz], final vacuum < 1 mbar)
Evaporator
Dry filter (water absorption capacity: 175 g at a dew point of -36 °C)
Particle filter
Indication units in bar / mbar, kPa or psi / torr to be selected on the operating panel
Fork lift provisions
Digital weighing scales for SF <sub>6</sub> bottles, 0 - 120 kg with tare function, accuracy ± 20 g
5 m long storage connecting hose DN8 with coupling tongue part DN20
Different wrenches
Paint: orange (RAL 2004)
Operating manual

### Operating voltage:

208 - 240 V / 60 Hz 3-phase current	6-057SP-R011
380 - 440 V / 50 Hz or 380 - 480 V / 60 Hz 3-phase current	6-057SP-R012



**COMPACT SERIES**



B057R03

**SF<sub>6</sub> gas service cart**

Mounted on a pressure tank / stowage



Optional equipment (mounted) at an extra charge:

	Storage capacity	Length mm	Width mm	Height mm	Net weight	Article No.
300 l / 50 bar pressure tank in accordance with 2014/68/EU regulations and CE marked	280 kg	2,000	950	1,725	1,050 kg	B171R01B057
600 l / 50 bar pressure tank in accordance with 2014/68/EU regulations and CE marked	580 kg	2,000	950	1,935	1,270 kg	B171R02B057
Stowage including 5 SF <sub>6</sub> -bottles with electronic weight indication and chassis with solid tired wheels	5 x 40 kg	2,500	1,050	2,015	1,320 kg	B175R01B057



## COMPACT SERIES



B057R03

### SF<sub>6</sub> gas service cart

Can be mounted on a trailer with the following accessories:



#### Technical data:

Dimensions: L 4,500 mm, W 1,700 mm, H 2,280 mm
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Max. admissible total weight: 2,000 kg
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2 axle car trailer TÜV approved, stowage with weighing device <b>with</b> 5 SF <sub>6</sub> -bottles, tarpaulin, side and back walls opened by pneumatic springs	B175R11B057
2 axle car trailer TÜV approved, stowage with weighing device <b>without</b> SF <sub>6</sub> -bottles, tarpaulin, side and back walls opened by pneumatic springs	B175R10B057

#### Standard equipment for both versions:

2 Supports for hoses and connecting cable
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Tool cabinet with 3 drawers
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LED lighting
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#### Options for both versions:

Hose reel with 15 m long DN20 hose	K197R100
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Pre-filter unit DN20	B007R11
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COMPACT SERIES



For recovery of SF<sub>6</sub> down to < 1 mbar with liquid storage

B057R17

**SF<sub>6</sub> gas service cart**



**Technical data:**

Dimensions: L 1,850 mm, W 950 mm, H 1,220 mm

Weight: 500 kg

**Standard equipment:**

TM 5.0 B oilfree DILLO compressor; delivery rate: (6,5 m<sup>3</sup>/h [at 50/60 Hz]) at medium suction pressure with SF<sub>6</sub>

Oilfree suction pump for recovery of SF<sub>6</sub> (15 m<sup>3</sup>/h [at 50 Hz]; 18 m<sup>3</sup>/h [at 60 Hz], final vacuum < 1 mbar)

Vacuum pump for evacuation of air (25 m<sup>3</sup>/h [at 50 Hz]; 30 m<sup>3</sup>/h [at 60 Hz], final vacuum < 1 mbar)

Dry filter (water absorption capacity: 175 g at a dew point of -36 °C)

Particle filter

Indication units in bar / mbar, kPa or psi / torr to be selected on the operating panel

Fork lift provisions

Different wrenches

Paint: orange (RAL 2004)

Operating manual

**Operating voltage:**

208 - 240 V / 60 Hz 3-phase current

6-057SP-R011

380 - 440 V / 50 Hz or 380 - 480 V / 60 Hz 3-phase current

6-057SP-R012



**COMPACT SERIES**



B057R17

**SF<sub>6</sub> gas service cart**

Mounted on a pressure tank



When using the B057R17 device type the SF<sub>6</sub> gas is not taken from the storage tank in liquid form!

**Optional equipment (mounted) at an extra charge:**

Digital weighing scales for SF <sub>6</sub> bottles, 0 - 120 kg with tare function, accuracy ± 20 g	K091R64
5 m long storage connecting hose DN8 with coupling tongue part DN20	6-1037-R050

	Storage capacity	Length mm	Width mm	Height mm	Net weight	Article No.
300 l / 50 bar pressure tank in accordance with 2014/68/EU regulations and CE marked	280 kg	2,000	950	1,725	1,050 kg	B171R01XB057
600 l / 50 bar pressure tank in accordance with 2014/68/EU regulations and CE marked	580 kg	2,000	950	1,935	1,270 kg	B171R02XB057



 COMPACT SERIES


B057R...

SF<sub>6</sub> gas service carts
**Optional equipment (mounted) at an extra charge for all service carts of the Compact series:**

Additional price for electrical special voltage 200 V / 50 - 60 Hz 3-phase current	6-057SP-R017
Additional price for electrical special voltage 210 - 240 V / 50 Hz 3-phase current	6-057SP-R018
Additional price for electrical special voltage 600 V / 60 Hz 3-phase current	6-057SP-R019
Tarpaulin (not for B175R.. trailer)	6-057KA-R001
Tool box	6-057AB-R001
Shelf plate	L057R01G14

**Optional accessories at an extra charge for all Compact service carts:**

5 m long rubber hose DN20 with coupling tongue part DN20 on both ends	6-1017-R050
7 m long rubber hose DN20 with coupling tongue part DN20 on both ends	6-1017-R070
10 m long rubber hose DN20 with coupling tongue part DN20 on both ends	6-1017-R100
5 m long wire-braided hose DN20 with coupling tongue part DN20 on both ends PN 64 bar	6-1365-R050
7 m long wire-braided hose DN20 with coupling tongue part DN20 on both ends PN 64 bar	6-1365-R070
10 m long wire-braided hose DN20 with coupling tongue part DN20 on both ends PN 64 bar	6-1365-R100
Electrical connecting cable 5 x 6 AWG 9 for 380 - 600 V (available lengths 5 - 30 m)	6-1053-R003
Electrical connecting cable 5 x 10 AWG 7 for 200 - 240 V (available lengths 5 - 30 m)	6-1053-R005
Operating manual	6-0004-R213

**Spare parts kits for B057R03:**

Annual maintenance package for SF <sub>6</sub> dry filter, particle filter and vacuum pump	6-1048-R401
Spare parts kit for TM 5.0 B compressor	6-1010-R011
Spare parts kit for vacuum compressor	05-1476-R101
Spare part kit (SF <sub>6</sub> dry and particle filter)	6-1101-R121

**Spare parts kits for B057R17:**

Annual maintenance package for SF <sub>6</sub> dry filter, particle filter and vacuum pump	6-1048-R401
Spare parts kit for TM 5.0 B compressor	6-1010-R011
Spare part kit (SF <sub>6</sub> dry and particle filter)	6-1101-R121

**Packing for all Compact service carts:**

Packing for all devices without pressure tank	3-751-R010-C
Packing for devices with 300 l, 600 l pressure tank or stowage and weighing device	3-751-R001-C
Transport pallet for B057R03 mounted on a trailer	3-688-R004-C

