

B046R13V2

Mobile vacuum pump unit with solenoid valve

For evacuation of air or nitrogen

The mobile vacuum pump unit is convincing by its easy handling. The unit serves for evacuation of air or nitrogen from gas compartments. The 40 m³/h vacuum pump (standard version) enables a final vacuum of < 1 mbar. Thus it is guaranteed that no air/gas mixture can be generated and the excellent insulation properties of SF₆ are maintained. The 2-stage vacuum pump (available as option) even reaches a final vacuum of 0.0067 mbar. This version is equipped with a solenoid valve. This prevents operating errors, as the valve closes automatically when there is power cut-off or when the function ends. Thus ensuring that no oil from the vacuum pump can get into the gas compartment in case of operating errors. The unit is available in different performance classes (see optional equipment), so that all requirements can be easily met.

The vacuum pump unit is equipped with a flange coupling groove part M45x2 (DN20 thread for SF₆ gas applications) as a standard feature and can be equipped with flange coupling groove parts for C4-FN (M48x2), C5-FK (M43x2) and CA (M50x2) which are available as an option in order to avoid confusion.



Standard version

- vacuum pump for evacuation of air; delivery rate (configurable)
- digital vacuum indication 0 - 100 mbar
- solenoid valve
- DILOR flange coupling groove part DN20 (M45x2)
- electric control
- fixing and steerable rollers
- storage tray for tools and accessories
- wrenches for DILOR couplings
- paint: anthracite

Special features

- Evacuation of air: < 1 mbar
- DIL0 couplings: DN20
- Operating voltage: 208-240/380-460 V
- Frequency: 50/60 Hz
- Operation: automatic

Advantages & functions

- final vacuum < 1 mbar
- different performances are available
- adapters for other nominal widths are available
- protection of the vacuum pump against overpressure by a solenoid valve

Technical data

Dimensions (W x H x D)	610 x 1150 x 890 mm
Weight	115 kg
Operating voltage	208 - 240 V
Frequency	50 - 60 Hz three-phase current
Operating voltage	380 - 460 V
Frequency	50 - 60 Hz three-phase current
Ambient temperature	0 to +45 °C
Operating temperature	0 to +45 °C
Storage temperature	-20 to +60 °C

Configuration

Operating voltage range	
208-240V/60Hz(3-phase current)	
208-240V/50Hz(3-phase current)	
380-480V/60Hz(3-phase current)	
380-460V/50Hz(3-phase current)	
200V / 50-60 Hz	(3-phase current)
600V / 60Hz (3-phase current)	
Vacuum pump	
40m ³ /h,<1mbar(S01+S03+S04+S05)	
40m ³ /h, <1mbar (S02)	
40m ³ /h, <1mbar (S06)	
63m ³ /h,<1mbar(S01+S03+S04+S05)	
63m ³ /h, <1mbar (S02)	
63m ³ /h, <1mbar (S06)	
100m ³ /h,<1mbar(S01+S03+S04+S05)	
100m ³ /h, <1mbar (S02)	
100m ³ /h, <1mbar (S06)	
40m ³ /h, 0.002mbar (S01 - S05)	
40m ³ /h, 0.002mbar (S06)	
65m ³ /h, 0.002mbar (S01 - S05)	
65m ³ /h, 0.002mbar (S06)	
RH0060, 0,0067mbar(S01-S05)	55m ³ /h / 50Hz, 65m ³ /h / 60Hz
RH0040, 0,0067mbar(S01-S05)	33m ³ /h / 50Hz, 39m ³ /h / 60Hz
RH0090, 0,0067mbar(S01-S05)	80m ³ /h / 50Hz, 95m ³ /h / 60Hz
Device covering	
without device covering	
tarpaulin for type	

Optional accessories

6-1017-R050	5 m long rubber hose DN20 with DILO coupling tongue part DN20 on both ends
6-1069-R050	5m long wire braided hose DN20 with protective sleeve and coupling tongue part DN20 on both ends
3-393-R001	SF ₆ gas refilling device for high-voltage
6-1053-R002/1M	Electrical connecting cable 5x2,5 AWG13 (available lengths 5 - 30 m)
C4-3-401-R099 C	DILO flange coupling groove part DN20 (M48x2) for C4-FN
CA-3-401-R099 P	DILO flange coupling groove part DN20 (M50x2) for CA
C4-6-1069-R050 C	5 m long wire braided hose DN20 with protective metal sheathing with coupling tongue part on both ends DN20 (M48x2) - C4-FN
CA-6-1069-R050	5 m long wire braided hose DN20 with protective metal sheathing with coupling tongue part on both ends DN20 (M50x2) for CA
05-0886-R001	Blank flange KF25 stainless steel
6-1048-R112	Annual maintenance package for standard vacuum pump (40 m ³)
6-1048-R113	Annual maintenance package for vacuum pump 6-0005-R050 (63m ³) / 6-0005-R051 (100 m ³)
6-1048-R116	Annual maintenance package for two-stage vacuum pump 6-0005-R170 RH60 (55 m ³)
6-1048-R117	Annual maintenance package for two-stage vacuum pump 6-0005-R171 RH90 (80 m ³)

Packaging

3-748-R001-C	Packing for B046R03 / B046R13
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