



Vacuum generation | Oil-lubricated vacuum pumps

Rotary vane vacuum pumps – oil-lubricated

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Product notes

- > High final vacuum level
- > Suitable for moist environments
- > Effective damping and recovery system prevents oil mist and reduces sound level
- > Innovative sealing system prevents oil recirculation at standstill under vacuum
- > Compact design and low weight
- > Horizontal mounting position
- > Protection class IP55
- > Available in single-phase and three-phase designs (Index -1 or -3)
- > Included in scope of delivery: Condensate exhaust filter, gas ballast, oil SW 60, oil non-return valve

Notes

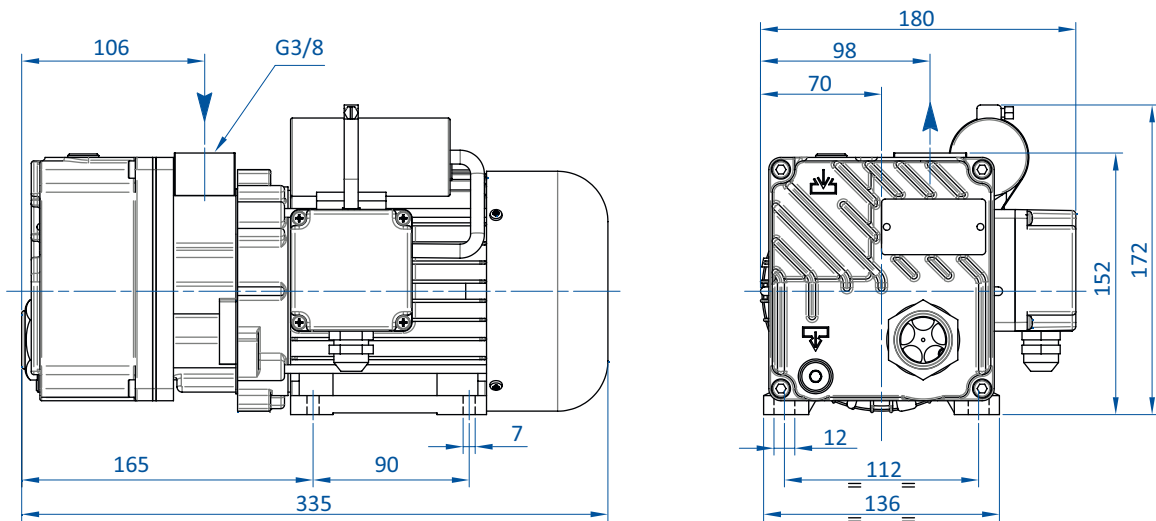
- > Designed for continuous operation under vacuum levels of 60 % to 99 %, integrated gas ballast, water vapor tolerance

Technical data

Item no.	DO.5B-1	DO.5B-3
Suction power at 50 Hz [m ³ /h]	5	5
Suction power at 60 Hz [m ³ /h]	6	6
Final pressure abs. [mbar (psi)]	10 (0.1)	10 (0.1)
Gas ballast	Yes	Yes
Max. inlet pressure for water vapour [mbar (psi)]	30 (0.4)	30 (0.4)
Water vapor capacity [l/h]	0.11	0.11
Check valve	Yes	Yes
Power supply at 50 (60) Hz [V]	220 - 240	Delta: 175-260 (200-300) Star: 300-450 (346-520)
Current consumption at 50 (60) Hz [A]	1.7 (2.1)	Delta: 2.3 (2.3) Star: 1.3 (1.3)
Rated power at 50 (60) Hz [kW]	0.25 (0.25)	0.37 (0.45)
Noise level at 50 (60) Hz [dB(A)]	58 (60)	58 (60)
Operating temperature [°C (°F)]	65 - 75 (149 - 167)	65 - 75 (149 - 167)
Weight [kg]	13	11.5
Suitable Spare part kits	KIT-DO.5B/G** KIT-DO.5B/K*	KIT-DO.5B/G** KIT-DO.5B/K*



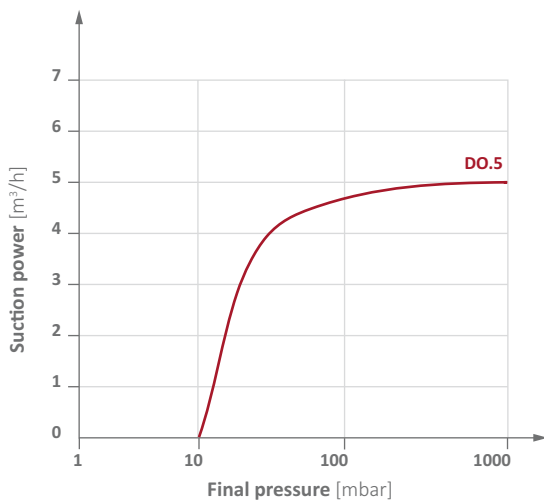
Dimensions



* = O-Ring 121 FKM, filter element ** = Shaft seal, 2 x O-Ring 3300 NBR, 3 x vanes, 2 x ejector, inlet shield, inlet rubber NBR, filter disk, NBR rubber for exhaust valve, 3 x copper washer, O-Ring 121 FKM, filter element, gasket, sintered filter G1/8

Diagrams

> Suction power against vacuum level at 50 Hz



> Suction power against vacuum level at 60 Hz

