



Vacuum generation | Oil-lubricated vacuum pumps

Rotary vane vacuum pumps – oil-lubricated

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Product notes

- > High final vacuum level
- > 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 (with DO.12C-3), oil SW 40, oil non-return valve

Notes

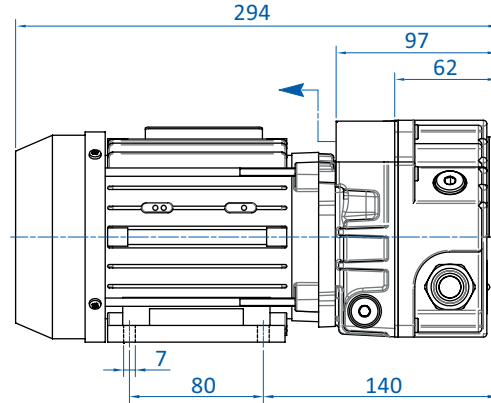
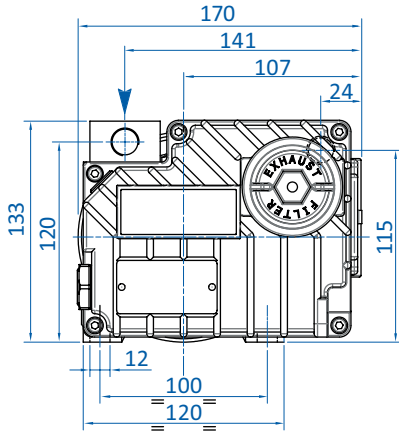
- > DO.8: Continuous operation only under full load (min. 99.8 % vacuum), otherwise, risk of oil discharge, no gas ballast
- > DO.8: For operation under moist conditions please consult FIPA
- > DO.12: Designed for continuous operation for vacuum levels between 60 % and 99.8 %, gas ballast available, can tolerate water vapor

Technical data

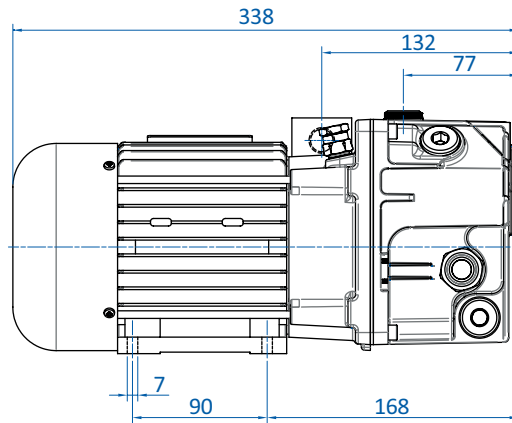
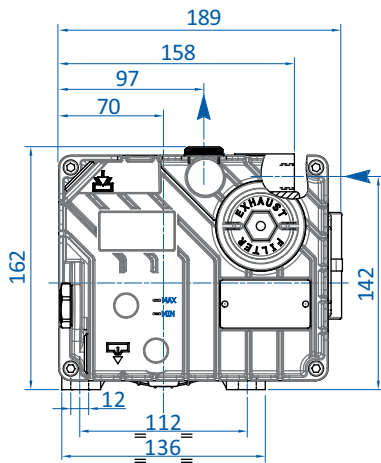
Item no.	DO.8B-1	DO.8B-3	DO.12C-1	DO.12C-3
Suction power at 50 Hz [m ³ /h]	8	8	12	12
Suction power at 60 Hz [m ³ /h]	9	9	14	14
Final pressure abs. [mbar (psi)]	2 (0)	2 (0)	2 (0)	2 (0)
Gas ballast	--	--	Yes	Yes
Max. inlet pressure for water vapour [mbar (psi)]	--	--	35 (0.5)	40 (0.6)
Water vapor capacity [l/h]	--	--	0.3	0.3
Check valve	Yes	Yes	Yes	Yes
Power supply at 50 (60) Hz [V]	220 - 240	Delta: 175-260 (200-300) Star: 300-450 (346-520)	220 - 240	Delta: 175-260 (200-300) Star: 300-450 (346-520)
Current consumption at 50 (60) Hz [A]	2.3 (2.3)	Delta: 1.6 (1.6) Star: 0.9 (0.9)	3.6 (3.3)	Delta: 2.8 (2.3) Star: 1.6 (1.3)
Rated power at 50 (60) Hz [kW]	0.25 (0.3)	0.25 (0.3)	0.45 (0.54)	0.37 (0.45)
Noise level at 50 (60) Hz [dB(A)]	58 (60)	58 (60)	62 (64)	62 (64)
Operating temperature [°C (°F)]	65 - 75 (149 - 167)	65 - 75 (149 - 167)	60 - 70 (140 - 158)	65 - 75 (149 - 167)
Weight [kg]	10	9	14	12.5
Suitable accessories	Spare part kit: KIT-DO.8B/G** Spare part kit: KIT-DO.8B/K* Pre-filter: FB 10	Spare part kit: KIT-DO.8B/G** Spare part kit: KIT-DO.8B/K* Pre-filter: FB 10	Spare part kit: KIT-DO.12C/G**** Spare part kit: KIT-DO.12C/K**** Pre-filter: FB 20	Spare part kit: KIT-DO.12C/G**** Spare part kit: KIT-DO.12C/K**** Pre-filter: FB 20



Dimensions



DO.8B-1 | DO.8B-3

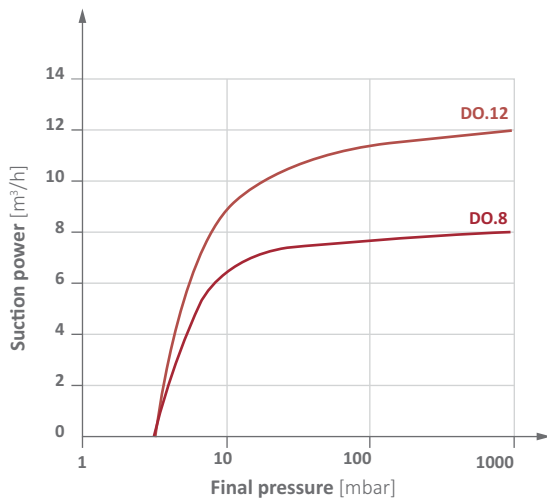


DO.12C-1 | DO.12C-3

* = FKM O-Rings, outlet filter ** = 3 vanes, FKM-O rings, seal, valve, inlet and outlet filter, oil recirculation valve
 *** = FKM O-Rings, oil mist separator **** = 3 vanes, FKM o-rings, seal, filter, oil mist separator, spring

Diagrams

> Suction power against vacuum level at 50 Hz



> Suction power against vacuum level at 60 Hz

