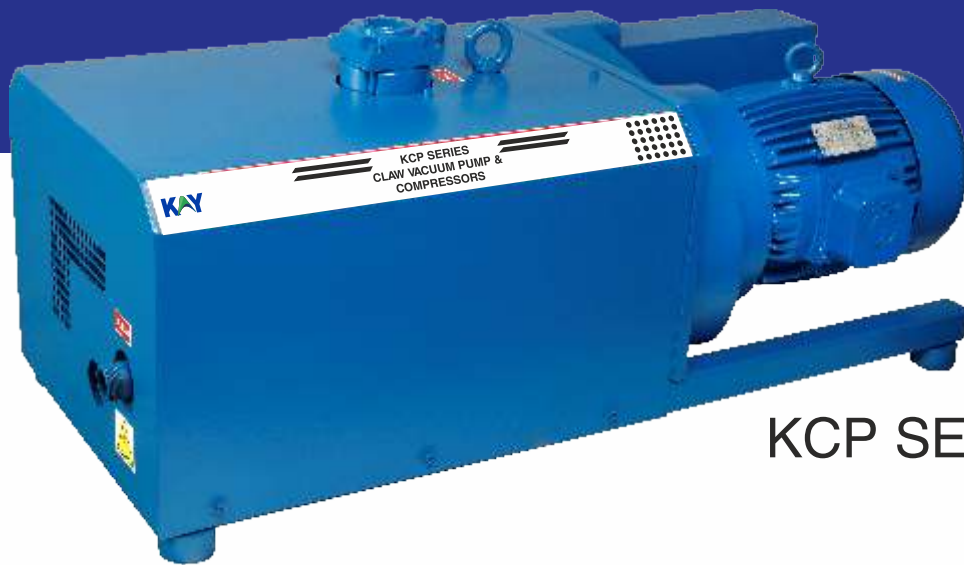


CLAW VACUUM PUMP & COMPRESSOR



KCP SERIES

KCP-65V TO KCP-500V CLAW VACUUM PUMPS

KCP series claw vacuum technology offers the highest level of energy efficiency for industrial vacuum generation combined with the lowest level of maintenance as well as consistent performance. The series KCP-65V up to KCP-500V are six manufactured sizes of KCP claw vacuum pumps. The whole KCP series includes claw vacuum pumps from 65 m³/hr up to 500 m³/hr pumping speed.

Due to the sophisticated claw vacuum technology, KCP vacuum pumps achieve an extremely high level of efficiency, which has a positive effect on energy consumption and performance. In practice, this means energy savings of up to 60% compared to conventional vacuum technology when operated at the same pumping speed.

An additional benefit of claw vacuum technology is the virtually maintenance-free

operation due to the non-contact operating principle: none of the moving parts inside the vacuum pump come into contact with one another, meaning there is no wear at all.

The need for maintenance, such as the inspection or replacement of worn parts, is completely eliminated. Due to the completely dry compression without the need for any operating fluids in the compression chamber, there are no costs for purchase, provision or disposal. KCP claw vacuum pumps are air cooled.

The high operational reliability and long life cycles of KCP claw vacuum pumps are also a result of their non-contact compression without operating fluids. Due to wear-free operation, vacuum and suction performance remains consistently high throughout a life cycle of the pump. A smart silencer concept enables quiet operation.

KCP – save up to 60% on your operating costs for vacuum generation.

Principle of Operation:



With KCP vacuum pumps, two claw-shaped rotors turn in opposite directions inside the housing. Due to the shape of these claw rotors, the air or gas is sucked in, compressed and discharged. The claw rotors do not come into contact neither with each other nor with the cylinder in which they are rotating. Tight clearances between the claw rotors and the housing optimize the internal seal and guarantee a consistently high pumping speed. A synchronisation gearbox ensures exact synchronisation of the claw rotors. KCP vacuum pumps are driven by a directly flange-mounted asynchronous motor, with an efficiency class IE2 / IE3.

Industrial vacuum generation for many applications

KCP claw vacuum pumps are available in a wide range of sizes. Special models for certain applications such as dust and gas explosion protection, high water vapor contents, gas tightness, increased oxygen contents etc. are also available.

SAILENT FEATURES:

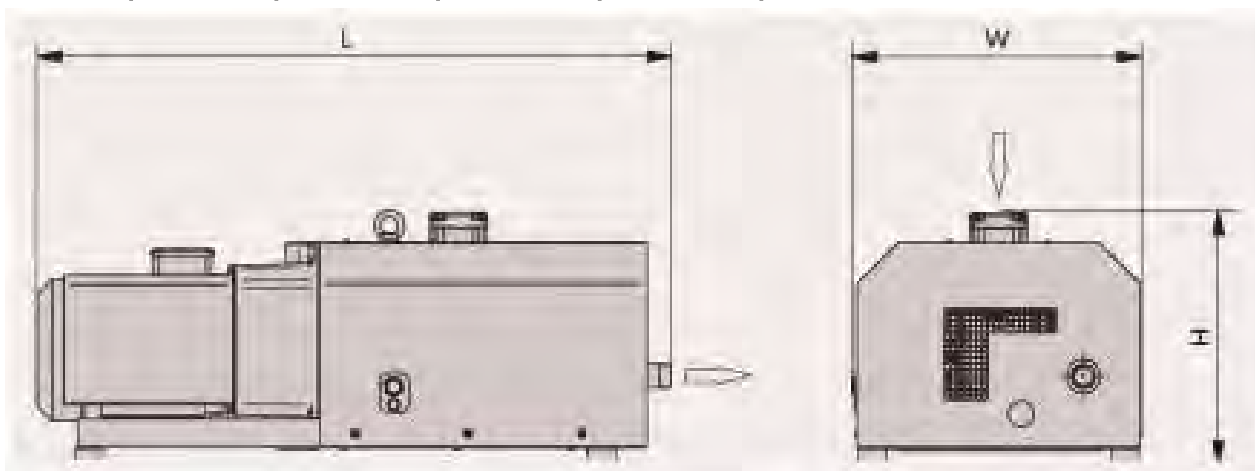
- ▲ Full product portfolio ranging from 65m³/hr to 500m³/hr
- ▲ Ultimate vacuum level < 50 mbar(a).
- ▲ Maximum over pressure level 2.5 Bar(g)
- ▲ Market leading performance.
- ▲ Best in class power consumption.
- ▲ Minimal machine lifecycle costs.



APPLICATIONS:

- ▲ Mechanical Vacuum Recompression (MVR)
- ▲ Packaging equipment
- ▲ Reticulated Medical Vacuum Plant
- ▲ Vacuum drying
- ▲ Vacuum mixing and de-aeration
- ▲ Soil Remediation
- ▲ Vacuum filtration
- ▲ Particle Conveying
- ▲ Printing & Paper
- ▲ Condenser Exhausting
- ▲ Materials Handling
- ▲ Router table holding
- ▲ Tank and pond Aeration
- ▲ Back-flushing
- ▲ Sewage Evacuation
- ▲ Sewage Digester gas compression

KCP-65V / KCP-80V / KCP-140V / KCP-200V / KCP-300V / KCP-500V



KCP SERIES Specification Table

Model	Pumping rate(M ³ /H) 50 Hz	Ultimate pressure(mbar)	Rotate speed(r/min) 50 Hz	Motor Power (Kw) 50 Hz	Inlet/Outlet (MM)	Weight (kg) 50 Hz	Noise DB(A) 50 Hz	Dimesnions (L x W x H)
KCP-65V	KCP-65V	50	2900	2.2	G 1 ¼"	120	65	1035X394545
KCP-80V	KCP-80V	50	2900	3	G 1 ¼"	185	70	979X412X417CM
KCP-140V	KCP-140V	50	2900	4	G 1 ¼"	195	75	979X412X417CM
KCP-200V	KCP-200V	50	2900	5.5	G 2"/ G 1 ½ "	300	70	1209X500X451CM
KCP-300V	KCP-300V	50	2900	7.5	G 2"/ G 1 ½ "	350	75	1209X500X451CM
KCP-500V	KCP-500V	200	2900	11	G 3"/ G 2"	325	80	1310X515X545

Vacuum Systems

Medical Vacuum System



Centralized Vacuum System



