

KLABS -Vacuum Pump

Low noise, high efficiency

- Two-stage vacuum pump control technology with lower noise, higher vacuum, higher pumping efficiency, for KV series , The vacuum drying time is around 2-4 mins.

Clean and reliable

- Double anti-return oil structure to more reliably protect the vacuum system from oil pollution after shutdown.
- It adopts imported German oil seal and seals with fluororubber material to improve corrosion resistance and prevent oil leakage.
- Adopting the aviation technology bushing treatment process, the life of the exhaust valve piece reaches 10 billion times.
- It adopts high-quality materials such as vacuum pump oil imported from Japan, which makes the operation more reliable and has a longer service life.



Gas ballast



Auto antisuck back valve



Gear pump



Integrated pump body structure



Technical parameters

Vacuum oven model	Capacity(L)	Degree of vacuum	Vacuum pump model	Type	Flow of Vacuum pump	Time
KV-20	24	133Pa	VRD-8	two-stage pump	2L/S	1min
KV-50	51	133Pa	VRD-8		2L/S	1min
KV-90	91	133Pa	VRD-16		4L/S	2min
KV-120	125	133Pa	VRD-16		4L/S	3min
KV-210	216	133Pa	VRD-24		6L/S	4min

Technical parameters

Model		VRD-4	VRD-8	VRD-16	VRD-24
Displacement speed	50Hz m3/h(L/s)	4(1.1)	8(2.2)	16(4.4)	24(6.6)
	60Hz m3/h(L/s)	4.8(1.3)	9.6(2.6)	19.2(5.2)	28.8(7.9)
Ultimate partial pressure gas ballast close		5x10 - 2Pa	5x10 - 2Pa	4x10 - 2Pa	4x10 - 2Pa
Ultimate total pressure gas ballast close		5x10 - 1Pa	5x10 - 1Pa	4x10 - 1Pa	4x10 - 1Pa
Ultimate total pressure gas ballast open		10 Pa	10 Pa	8x10 - 1Pa	8x10 - 1Pa
Power supply		Single/Three-Ph			
Power rating		0.4/0.37kW	0.4/0.37kW	0.55kW	0.75 kW
Level of protection		IP44			
Intake and exhaust		KF16/25	KF16/25	KF25	KF25/40
Oil capacity		0.6 - 1.0 L	0.6 - 1.0L	0.9 - 1.5L	1.3 - 2.0 L
Motor speed(50/60Hz)		1440 /1720 rpm			
Ambient temperature		10 - 40°C			
Noise level(50Hz)		≤ 52dB	≤ 52dB	≤ 58dB	≤ 58dB
Weight		19 kg	21 kg	30 kg	35 kg
Dimension(LxWxH)mm		440x144x217	440x144x217	530x188x272	567x188x272