

Dimension (Unit: mm)

Model	A	B	C	D	E	F	G	H	I	J
UD4i/8i/12i/16i	138	168	280	39.6	306	424	15.5	102.5	58	15.5

Technical parameters

Model	Unit	UD4i	UD8i	UD12i	UD16i
Pumping speed (50/60Hz)	m³/h	4	8	12	16
Ultimate Total Pressure without gas ballast	Pa	5x10⁻¹	5x10⁻¹	5x10⁻¹	5x10⁻¹
Ultimate Total Pressure with gas ballast	Pa	3	3	3	3
Motor					
Voltage Input	V	200-240	200-240	200-240	200-240
Voltage Frequency	Hz	50/60	50/60	50/60	50/60
Power Rating	kW	0.25	0.25	0.37	0.37
Current	A	2.5	2.5	3.5	3.5
Inlet & Exhaust Port	/	KF25	KF25	KF25	KF25
Oil Capacity	L	0.8	0.8	0.8	0.8
Ambient Temperature	°C	5-40	5-40	5-40	5-40
Noise	dB	≤50	≤52	≤52	≤54
Weight	kg	16.5	16.5	17	17
Dimension (L*W*H)	mm	424x168x280	424x168x280	424x168x280	424x168x280

UD i Series

Leak-Proof, Corrosion-Resistant
Vacuum Pump
Intelligent, Energy-Efficient & Reliable



UD i Series

Leak-Proof, Corrosion-Resistant Vacuum Pump Intelligent, Energy-Efficient & Reliable

The UD i Series represents the cutting edge in scientific vacuum technology, delivering exceptional reliability and easy maintenance. Its corrosion-resistant core components ensure durability against harsh chemical exposure. Featuring advanced shielding and magnetic drive technology, these pumps achieve hermetic sealing to eliminate oil leakage issues associated with traditional dynamic seals, guaranteeing reliable operation even in high-moisture and highly corrosive gas environments.

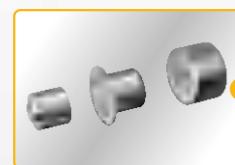
With a built-in forced lubrication gear pump, automatic anti-backflow design, and high-quality integrated oil mist filter, the UD i-Series provides a clean, quiet, and worry-free vacuum experience. Equipped with a CE-certified brushless DC motor and one-touch ECO mode, it maximizes energy efficiency without compromising performance.

Ideal for scientific research, laboratory applications, medical/pharmaceutical processes, and precision industrial manufacturing.



Clean & Eco-Friendly

Auto anti-backflow valve prevents oil contamination during shutdown; Built-in high-performance oil mist filter eliminates oil vapor pollution



No Oil Leakage

Utilizing shielded magnetic drive technology to achieve hermetic sealing, ensuring completely clean and oil-leakage-free operation



Corrosion-Resistant

Full corrosion-proof construction with fluoropolymer seals & stainless springs



Easy Oil Change

Integrated ball valve with built-in oil reservoir



Eco High Energy Efficiency

Featuring IE4-grade brushless motor with one-touch ECO mode for quieter and greener performance



Mass Spectrometer



Glove Box



Scanning Electron Microscope



Coating