

Air Cooled Dry Vacuum Pump

FR060D



Exceptional Pumping Performance with Low Power Consumption all in one compact design

Air-cooled-No cooling water needed for continuous operation

1000 L/min(36 CFM) Dry Vacuum Pumping

Continuous Pumping at Atmospheric Pressure

Pumping speed at atmospheric pressure: 800L/min

Designed for High Water Vapor Tolerance

Water Vapor Pumping Rate 500g/hr

Shorter Pump-Down Time realized

Constant pumping speed up to especially atmospheric pressure

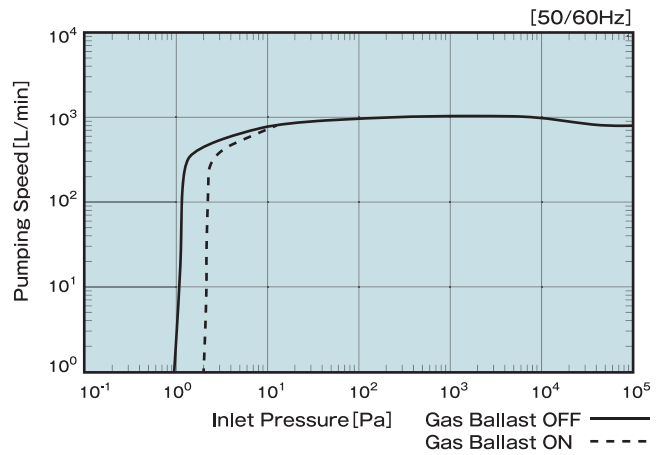
Suitable uses : General Vacuum,Drying, Load Locks/Transfer Chamber, Air-cooled dry pumping, etc.

Specifications

Model		FR060D	FR060D-2
Pumping Speed	Max.	1,000 L/min	
	Atmospheric Open	800 L/min	
Base Pressure	Gas Ballast : Off	1.0 Pa	
	Gas Ballast : On	2.0 Pa	
Max. Inlet Pressure		Atmospheric Pressure	
Connection	Gas Inlet	KF40	
	Gas Outlet	KF40	
Approx. Power at Base Pressure (Max. Power)		1.1kW (1.3kW)	
Lubrication Oil Quantity		90 mL	
Approx. Weight		75kg	
Ambient Temperature		5~40 °C	
Cooling System		Air cooling	
Gas Ballast	Max. Water Vapor Pumping Rate	500g/h	
	Gas Type	Atmosphere	
Power Supply	Phase/Volt/Freq.	FR060D:3Phase, 200-240V±10%.50/60Hz FR060D-2:1Phase, 200-240V±10%.50/60Hz	
	Power capacity	3.0KVA	
Control Signal		D-sub 15Pin female	
Circuit Protector(CP)Rating		15A	16A
Short-Circuit Current Rating(SCCR)		1.0kA	

*Contact Osaka Vacuum for special specification.

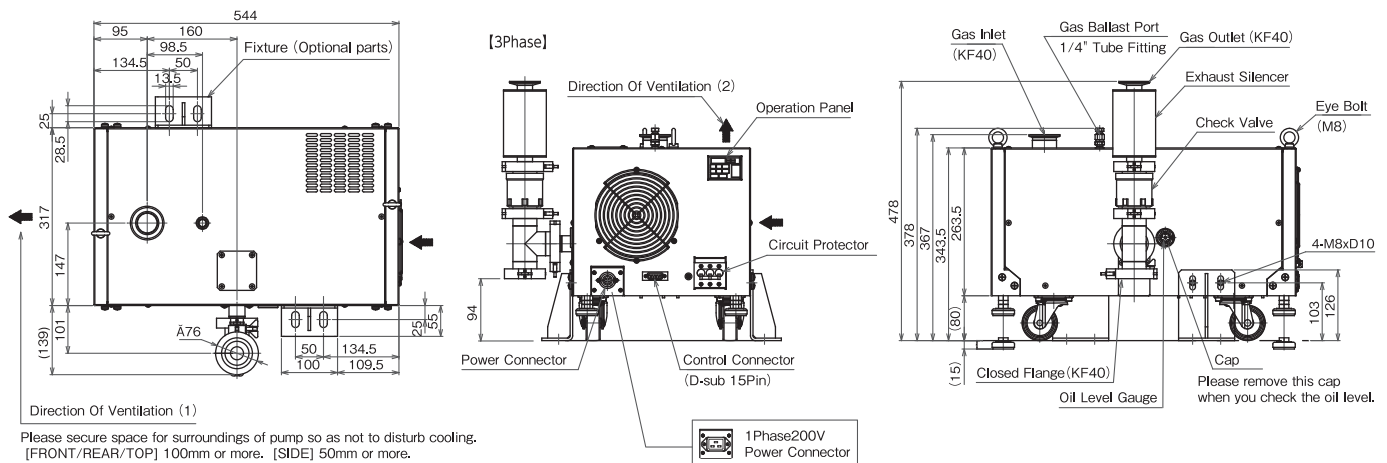
Performance curve



Major applications

- Small laboratory system
- Analysis and measurement system
- Accelerator
- EB-gun, Ion source
- PVD equipment such as sputtering system
- Backing pump for high vacuum pump
- Load lock and transfer chamber
- Vacuum chuck
- Sealing
- Drying
- Small vacuum furnaces

Outside view and dimensions



Please secure space for surroundings of pump so as not to disturb cooling.
[FRONT/REAR/TOP] 100mm or more. [SIDE] 50mm or more.

Dry Pump Series

Compact Dry Vacuum Pumps DSP50 / 250 / 500 Pumping Speed : 50L/min 230L/min 500L/min

Energy Saving Dry Vacuum Pumps ER100D / ER100DC Pumping Speed : 1670L/min

Safety To ensure proper usage of the products described in this catalogue, please make sure to read the instruction manual thoroughly prior to use.
Notice: Freight that is regulated by the Foreign Exchange and Foreign Trade Law may require official permission before shipment in accordance with the law.

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ISO9001

ISO14001



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