

## HelixDrive

#### Ultra-Compact, Oil-Free Dry Screw Vacuum Pump

**HelixDrive** is an ultra-compact, oil-free dry screw vacuum pump. Its unique coaxial design, with an integrated motor, enhances both efficiency and reliability. Its proprietary coating protects the pump from the most demanding industrial applications. Ideal for harsh applications where oil is not tolerated.



Oil Free Operation
Ideal for harsh applications where oil is not tolerated.

Temperature Management
Our temperature management system is optimized for

the most effective cooling. Our larger pumps are water-cooled to enhance the performance of the pump while our smaller pumps are air cooled for easy operation.

**▶** Energy Efficiency

Equipped with Permanent Magnet motor, HD20 and HD40 are the most efficient dry pumps in their clasee.

► Water Vapor Handling
HelixDrive pumps are robust and durable. They have excellent moisture handling capacities.

Compact Design

As one of the most innovative designs, this dry screw pump delivers fast pumping speed in an ultra compact package.



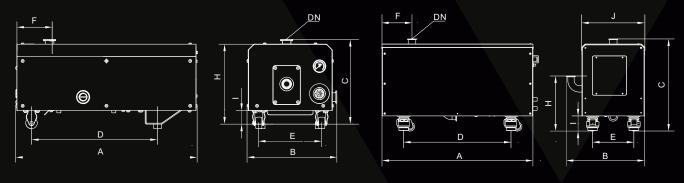


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SPEC			HD20	HD40	HD80	HD100		
Pumping	Speed (60Hz)	m³/h (CFM)	20 (12)	32 (19)	80 (47)	100 (59)		
Ultimate	Pressure	mbar (Torr)	3.0x10 <sup>-2</sup> (2.2x10 <sup>-2</sup> )					
Gas Purge	Dry Nitrogen/Dry Compressed Air	slm	1	0~50	0~180	0~60		
	Pressure	Мра	1	0.04~0.07	0.15~0.2	0.15~0.2		
	Joint		1	Quick joint for air pipe Φ6mm				
Power R	ating	kW	1.8	1.8	3	3		
Current a	at Ultimate Pressure	Α	7	8	3	4		
Peak Cu	rrent	А	13	13	6	7		
PID Fund	ctions		Yes					
Analog Input			Yes					
Communication Function				MODBUS-RTU				
Inlet/Outlet			KF25	KF25	KF40	KF40		
Water Va	apor Treatment Capacity	g/h	500	500	800	800		
Cooling Mode			Air C	poling Water C		Cooling		
Noise		dB	≤60	≤60	≤60	≤60		
Weight		lbs	105.8	105.8	452	452		
Dimensio	ons (L*W*H)	in	23.6x11.8x12.6	23.6x11.8x12.6	35.4x18.3x21.6	35.4x18.3x21.6		

### **Dimensions**



#### Unit: inch

Model	А	В	С	D	Е	F	Н	- 1	J	Inlet/Outlet
HD20	23.6	11.8	12.6	16.3	8.2	4.2	11	2.3	/	KF25
HD40	23.6	11.8	12.6	16.3	8.2	4.2	11	2.3	/	KF25
HD80	35.4	18.3	21.6	25.2	9.7	7	13	3.5	14.8	KF40
HD100	35.4	18.3	21.6	25.2	9.7	7	13	3.5	14.8	KF40