

pXH MECHANICAL BOOSTER PUMPS

THE INTELLIGENT CHOICE



The pXH pumps represent the new generation of large mechanical boosters providing high pumping capacity with reduced footprint. Available in sizes from 6965 to 8358 m³h⁻¹ displacement, are packaged as separate pumps with inverter driven controls. Designed to withstand harsh processes, they have a field proven reliability from the large installed base. pXH can be easily integrated with GXS, the last generation Edwards Industrial on board controlled dry pumps, into a high pumping speed dry pumping system.



Features and Benefits

- Inverter driven control for 'Plug and Pump', flexible operation and automated control of your process.
- Low installation costs.
- Consistent output.
- Designed to withstand harsh industrial applications.
- Robust and reliable.

Applications

R&D/others

- Space simulation chambers evacuation.
- Load lock evacuation.
- Oil treatment.
- Vacuum packaging.

Drying

- Transformer drying.
- Transformer vapour phase drying.
- Pipeline drying.
- Capacitor drying.
- Li Ion battery drying.

Coating

- Glass coating.
- Roll/web coating.
- Hard coating/CVD.
- Surface activation.
- Plasma spray.

Steel Degassing

- VD vacuum degassing.
- VOD vacuum oxygen decarburising.

Metallurgy

- VIM vacuum induction melting.
- VAR vacuum arc remelting.
- MIM/vacuum sintering.
- PIC (investment casting).
- Electroslag remelting.
- Carbon vapour impregnation.

Performance Curves

pXH Mechanical Booster Pump

pXH

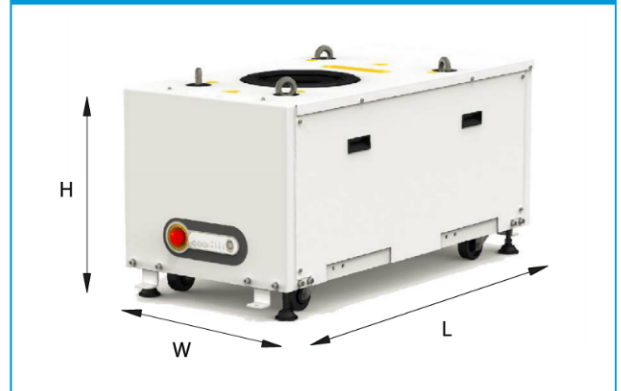


Ordering information

Product description	Order no:
pXH4500 380-460 V	ACG000120300
pXH4500 200-230 V	AC6000120300
pXH6000 380-460 V	ACH000120300
pXH6000 200-230 V	AC7000120300

Dimensions

pXH dimensions



		pXH4500	pXH6000
Length	mm	1086	1086
Width	mm	517	517
Height	mm	531	531

Technical data

		Units	pXH4500	pXH6000
Displacement		m ³ h ⁻¹	6965	8358
System inlet connection			ISO200	ISO250
System outlet connection			ISO160	NW160
Noise		dB (A)	66	
Mass		kg	400	435
Cooling water	Cooling water connection		3/8" BSP quick connect	
	Maximum supply pressure	barg	6.9	
	Supply temperature	°C	10-25	
	Minimum pressure differential	barg	1.25	
	Typical water cooling flow rate	lmin ⁻¹	6	
Electrical supply type			200-230 V 50/60 Hz/380-460 V 50/60 Hz	
			Han K 4/4	
Motor rating		kW (hp)	7.5 (10.0)	
Power at ultimate pressure (kW)		kW (hp)	1.9 (2.5)	