

iXL1000 DRY PUMP

Giving you a clear edge

PRODUCT DATASHEET

The iXL1000 is a low energy compact dry pump for light duty applications. It provides fast chamber pump down and extremely low power usage.

The iXL1000 is one of the smallest and quietest pumps available for light duty applications such as wafer handling, PVD and metrology.

Building on the highly successful iXL120 pump, it features high pumping speed and low energy consumption.

A Green Mode allows reduced utilities usage during idle periods, saving costs and helping to save the environment.



Features and benefits

Zero maintenance required between major overhauls due to precision oil lubricated bearings throughout the pump and booster

One of the fastest chamber pump down time, reducing total average cycle time (TACT)

Integrated exhaust non-return valve prevents contaminant suck back from house exhaust

Green Mode energy reduction reduces power consumption by up to 96% during idle periods

Compact footprint of 0.195 m² and can replace iGX600 or iGX1000 without the need for adapters

Only 1 kW ⁽¹⁾ power consumption helps minimise cost of ownership

Consistent performance from a single voltage variant 200-460 V 50/60 Hz

Extremely quiet at only 55 dB(A)

(1) Average power at ultimate pressure and 700T exhaust pressure

Technical data

		iXL1000	iXL1000N
Peak speed	m ³ /h/ cfm / l/min	930/547/15500	930/547/15500
Ultimate pressure (typical)	mbar / Torr / Pa	0.001/0.00075/0.1	0.002/0.0015/0.2 ⁽¹⁾
Power at ultimate ⁽²⁾	kW	1	1.1
Power in Green Mode	kW	0.05	
Inlet connection		ISO100	
Outlet connection		NW25	
Cooling water connection		3/8" Quick Connect	
Nitrogen connection		n/a	¼" tube fitting
Water flow ⁽³⁾	l/m	1.6	
Typical purge flow	slm	0	0-40 (default 10)
Weight	kg	167	168
Noise ⁽⁴⁾	dB(A)	55	55

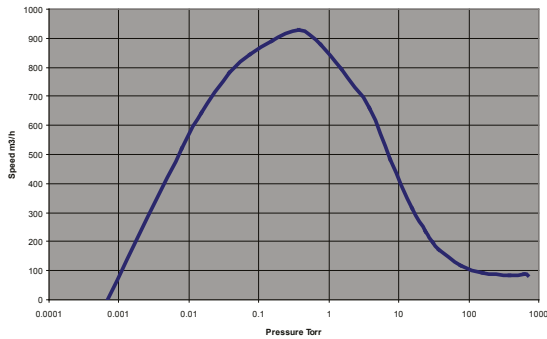
(1) At default purge flow

(2) Average power at 700T exhaust pressure and zero purge

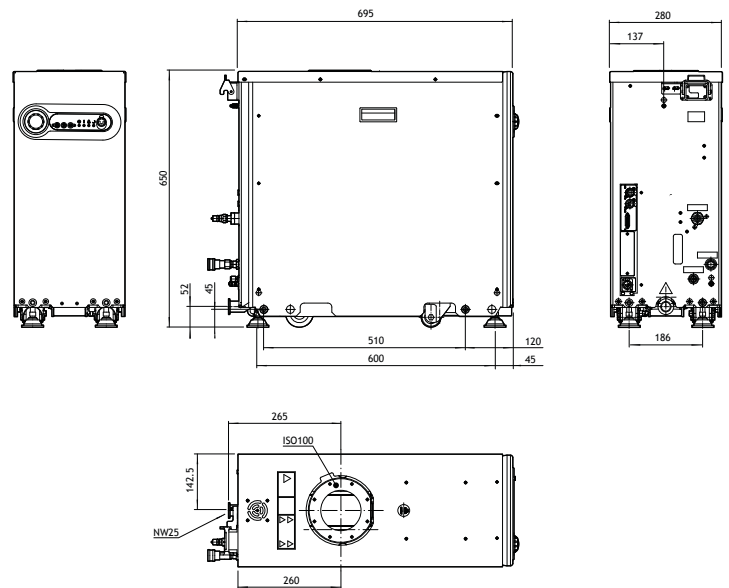
(3) Average at 20 °C water temperature and 20 °C ambient

(4) Average noise at ultimate pressure.

Performance



Dimensions



Ordering information

Description	Order number
iXL1000 200-460 V 50/60 Hz	A54153020
iXL1000N 200-460 V 50/60 Hz	A54154020

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Publication Number: A54153895, Issue B
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