

GX100 Dry Pump



The GX Dry Vacuum Pump Series sets new standards for zero maintenance between major overhauls. Improved efficiency lowers the cost of ownership and provides continuous pumping duty throughout the pressure range.

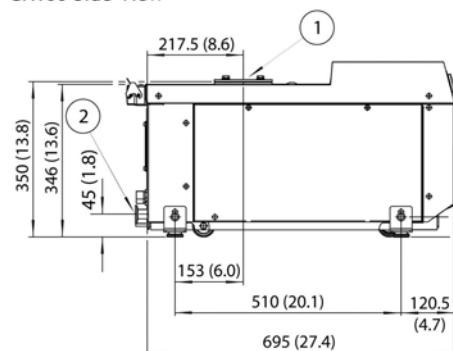
GX pumps are available in a wide range of peak speeds and variants to address applications from clean through to medium-duty processes. A modular design allows users to configure GX drypumps to suit individual fab requirements. An ultra-compact footprint allows installation options including on-tool, close proximity, or remote.

Features & Benefits

- Reduced Cost of Ownership
- Up to a 50% reduction in utilities cost compared to iL/iH drypumps
- No preventative maintenance
- Flexible Installation Options
- Small and light for easy installation

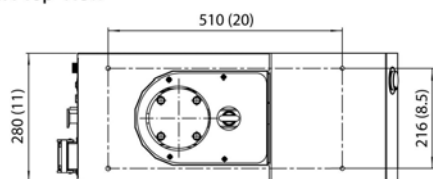
Dimensions

GX100 Side View



1. Inlet flange 2. Exhaust flange

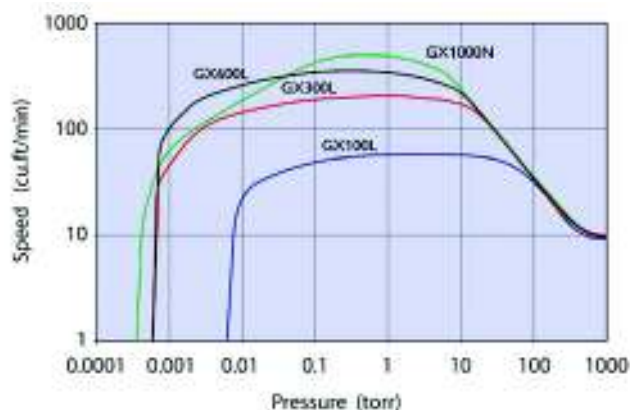
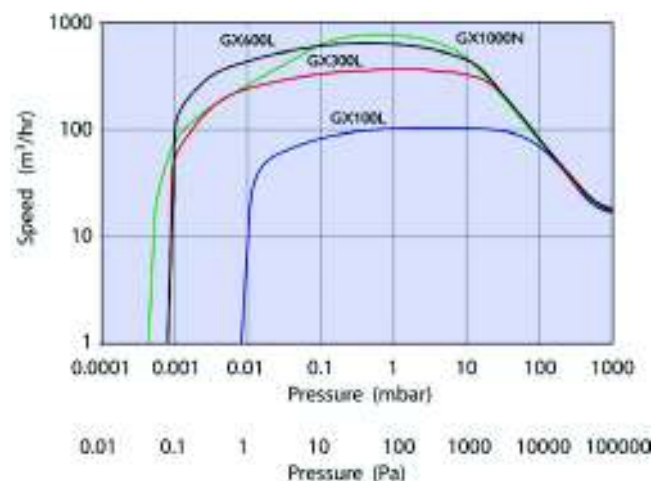
GX Top View



Applications

- Load Lock
- Transfer
- Metrology

Performance Curves



Technical Data

Performance

Peak speed	105 m ³ h ⁻¹
	62 ft ³ min ⁻¹
	1750 lmin ⁻¹
Ultimate pressure	5 x 10 ⁻³ mbar
	3.75 x 10 ⁻³ Torr
	0.5 Pa

Power at 700 Torr exhaust

Ultimate	1 kW
AUC (Active Utility Controller)	0.05 kW
Water *	
Water inlet	1 slm
Nitrogen	0 slm

Installation Details

Footprint (excluding exhaust)	0.20 m ²
Weight	120 kg
Inlet connection	ISO 63
Outlet connection	NW25
Noise at ultimate	<55 dB(A)

* Requires Constant Flow Valve accessory

Ordering Information

Product Description	Order No.
GX100L Dry Pump 200-230 V 50/60 Hz	A54710958
GX100L Dry Pump 380-460 V 50/60 Hz	A54710959
GX100TI Dry Pump 200-230 V 50/60 Hz	A54746958
GX100N Dry Pump 200-230 V 50/60 Hz	A54711958
GX100N Dry Pump 380-450 V 50/60 Hz	A54711959

GX600 Dry Pump



The GX Dry Vacuum Pump Series sets new standards for zero maintenance between major overhauls. Improved efficiency lowers the cost of ownership and provides continuous pumping duty throughout the pressure range.

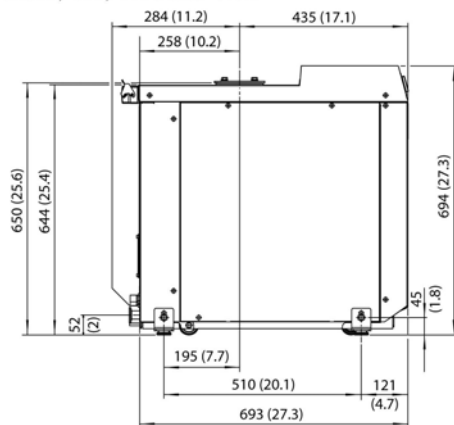
GX pumps are available in a wide range of peak speeds and variants to address applications from clean through to medium-duty processes. A modular design allows users to configure GX drypumps to suit individual fab requirements. An ultra-compact footprint allows installation options including on-tool, close proximity, or remote.

Features & Benefits

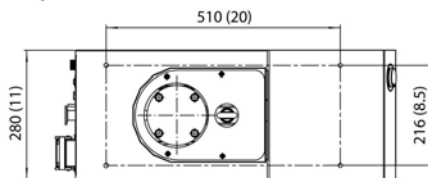
- Reduced Cost of Ownership
- Up to a 50% reduction in utilities cost compared to iL/iH drypumps
- No preventative maintenance
- Flexible Installation Options
- Small and light for easy installation

Dimensions

GX300, 600, 1000 Side View



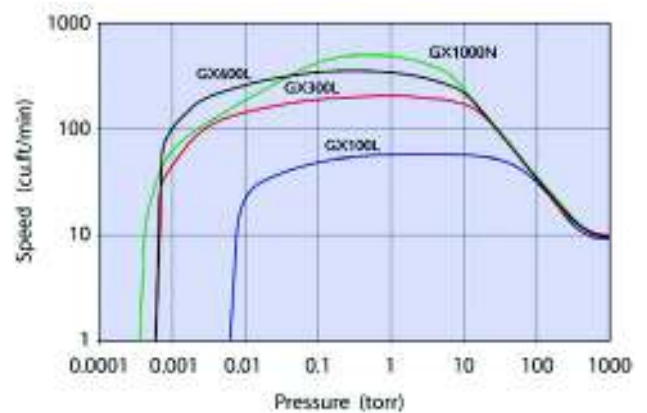
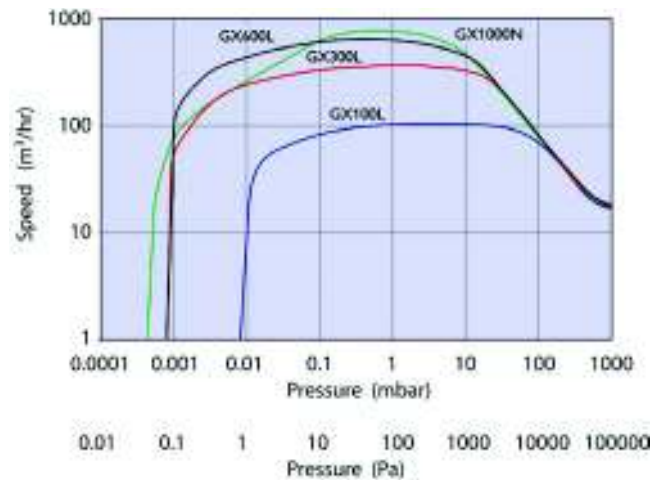
GX Top View



Applications

- Load Lock
- Transfer
- Metrology

Performance Curves



Technical Data

Performance

Peak speed	620 m ³ h ⁻¹ 365 ft ³ min ⁻¹ 10333 lmin ⁻¹
Ultimate pressure	7 x 10 ⁻⁴ mbar 5.25 x 10 ⁻⁴ Torr 0.07 Pa

Power at 700 Torr exhaust

Ultimate	1.6 kW
AUC (Active Utility Controller)	0.05 kW
Water *	
Water inlet	2 slm
Nitrogen	0 slm

Installation Details

Footprint (excluding exhaust)	0.20 m ²
Weight	220 kg
Inlet connection	ISO 100
Outlet connection	NW25
Noise at ultimate	<55 dB(A)

* Requires Constant Flow Valve accessory

Ordering Information

Product Description	Order No.
GX600L Dry Pump 200-230 V 50/60 Hz	A54730958
GX600L Dry Pump 380-460 V 50/60 Hz	A54730959
GX600N Dry Pump 200-230 V 50/60 Hz	A54731958
GX600N Dry Pump 380-450 V 50/60 Hz	A54731959

GX1000 Dry Pump



The GX Dry Vacuum Pump Series sets new standards for zero maintenance between major overhauls. Improved efficiency lowers the cost of ownership and provides continuous pumping duty throughout the pressure range.

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Features & Benefits

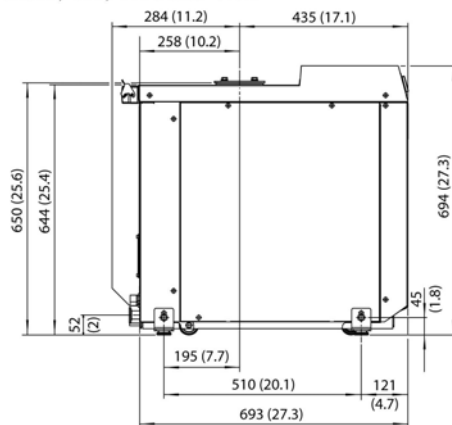
- Reduced Cost of Ownership
- Up to a 50% reduction in utilities cost compared to iL/iH drypumps
- No preventative maintenance
- Flexible Installation Options
- Small and light for easy installation

Applications

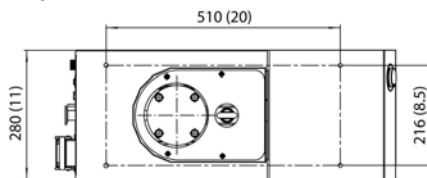
- Load Lock
- Transfer
- Metrology
- Lithography
- PVD Process

Dimensions

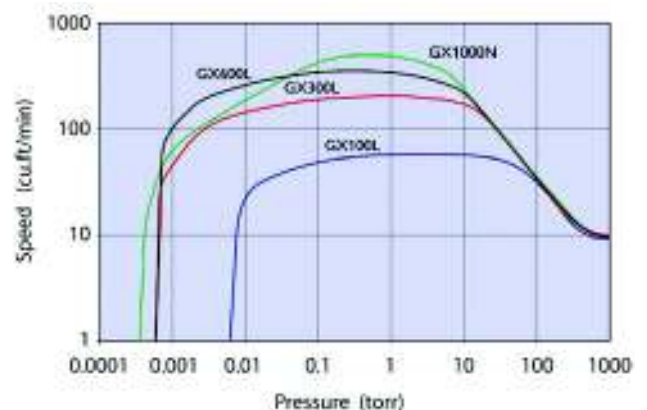
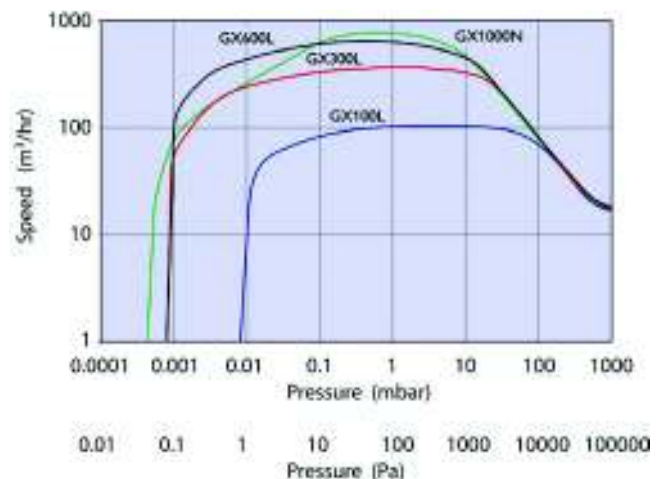
GX300, 600, 1000 Side View



GX Top View



Performance Curves



Technical Data

Performance

Peak speed	800 m ³ h ⁻¹ 471 ft ³ min ⁻¹ 13333 lmin ⁻¹
Ultimate pressure	1 x 10 ⁻³ mbar 7.5 x 10 ⁻⁴ Torr 0.10 Pa

Power at 700 Torr exhaust

Ultimate	1.6 kW
AUC (Active Utility Controller)	1.05 kW

Water *

Water inlet	2 slm
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Nitrogen	4 or 14 slm **
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Installation Details

Footprint (excluding exhaust)	0.20 m ²
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Weight	230 kg
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Inlet connection	ISO 100
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Outlet connection	NW25
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Noise at ultimate	<55 dB(A)
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* Requires Constant Flow Valve accessory

** Nitrogen purge can be manually adjusted to a maximum flow of 39slm

Ordering Information

Product Description

GX1000N Dry Pump 200-230 V 50/60 Hz

GX1000N Dry Pump 380-460 V 50/60 Hz

Order No.

A54781958

A54781959