

GX DRY PUMP SYSTEMS

THE INTELLIGENT CHOICE



GX is the ideal choice for medium duty applications and sets new standards for zero maintenance between overhauls and low cost of ownership. It is available as the stand-alone GX100N pump, or combined with an inverter-driven booster as the GX600N (620 m³h⁻¹ peak speed) and GX1000N (800 m³h⁻¹ peak speed) units.



Features and Benefits

- Integral controller and safety systems for 'Plug and Pump' flexible operation.
- Low installation costs.
- No preventive maintenance between major overhauls.
- Maximum uptime for high productivity.

Applications

R&D/others

- House/central vacuum.

Drying

- Refrigeration/air conditioning drying.
- Transformer drying.
- Automotive drying/filling.

Coating

- Reflective/decorative coating.
- Optical/ophthalmic coating.

Heat Treatment

- Tempering/annealing
- Oil or gas quenching

Metallurgy

- EB welding/vacuum brazing
- Plasma nitriding
- LPN (nitriding) and nitrocarburising

Pump range

GX

- GX100N
- GX600N
- GX1000N



Performance Curves

GX Dry pump system

GX



Peak pumping speed

90 m³h⁻¹ – 800 m³h⁻¹

53 cfm – 471 cfm

Ultimate Pressure

GX100N 5.0 x 10⁻³ mbar

3.75 x 10⁻³ Torr

GX600N 1.0 x 10⁻³ mbar

7.5 x 10⁻⁴ Torr

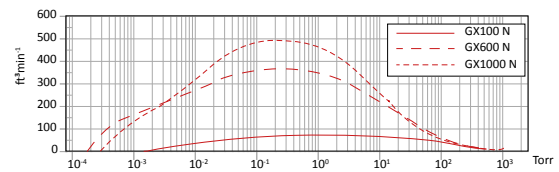
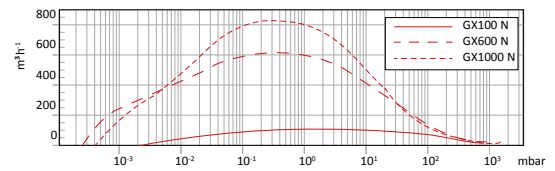
GX1000N 1.0 x 10⁻³ mbar

7.5 x 10⁻⁴ Torr

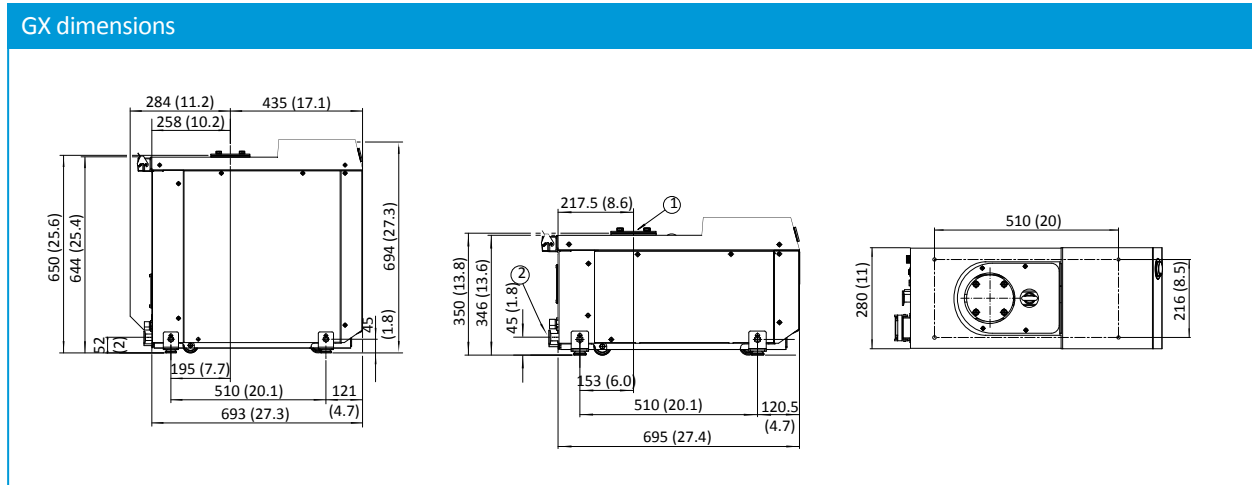
Ordering information

Product description	Order no:
GX100N 200-230 V 50/60 Hz	A54711958
GX100N 380-460 V 50/60 Hz	A54711959
GX600N 200-230 V 50/60 Hz	A54731958
GX600N 380-460 V 50/60 Hz	A54731959
GX1000N 200-230 V 50/60 Hz	A54781958
GX1000N 380-460 V 50/60 Hz	A54781959

GX Performance Curve



Dimensions



	GX100	GX600, 1000
Length	693	693
Width	280	280
Height	394	694

- ① Inlet flange
- ② Exhaust flange

Technical Data

	Units	GX100N	GX600N	GX1000N
Peak pumping speed	m ³ h ⁻¹ /cfm	90/53	600/353	800/471
Ultimate pressure	mbar/Torr	5.0 x 10 ⁻³ /3.75 x 10 ⁻³	1.0 x 10 ⁻³ /7.5 x 10 ⁻⁴	1.0 x 10 ⁻³ /7.5 x 10 ⁻⁴
Power @ ultimate ⁽¹⁾	kW	1.0	1.5	1.6
Power @ green mode	kW	0.05	0.05	0.05
Motor Power	kW	1.9	3.8	3.8
Inlet connection		ISO63	ISO100	ISO100
Outlet connection		NW25	NW25	NW25
Cooling water connection		3/8" quick connect	3/8" quick connect	3/8" quick connect
Nitrogen connection		1/4" compression fitting	1/4" compression fitting	1/4" compression fitting
Water flow ⁽²⁾	lmin ⁻¹	1	2	2
Typical purge flow	slm	4 to 39	4 to 39	4 to 39
Weight	kg	120	220	230
Noise level	dB(A)	< 60	< 55	< 55

- (1) Average power at 700T exhaust pressure
- (2) Flow with Constant Flow Valve accessory fitted

