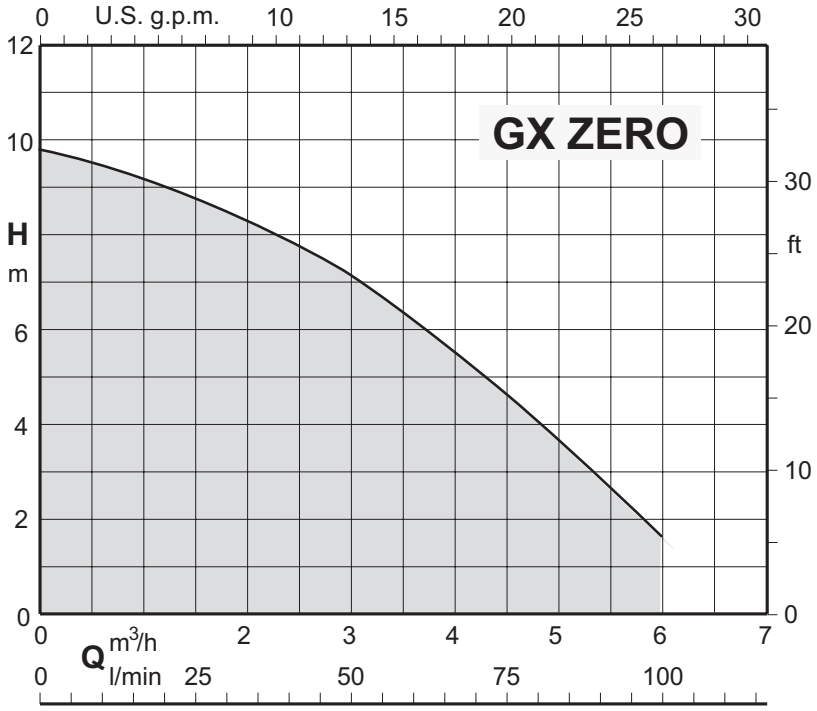
GX ZERO

Coverage chart n ≈ 2900 rpm



Submersible clean water pumps

GX ZERO

Construction

Single-impeller submersible pumps in chrome-nickel stainless steel, with vertical delivery port and suction non-return valve.
Suction capability up to 1 mm from the bottom.
Motor cooled by the pumped water passing between the motor jacket and the external jacket.
Double shaft seal with oil chamber.
The pump is fitted with a suction non-return valve which, during operation, allows to manually move the pump to several points in the room and draw water up to 1 mm avoiding that the pump loses its priming.

Applications

For clean water containing solids up to 3 mm grain size.
draining flooded rooms or tanks.
Extraction of water from ponds, streams or pits and for rainwater collection.

Operating conditions

Liquid temperature up to 35° C.
Maximum immersion depth: 5 m.
Minimum manual emptying level 1 mm.
Continuous duty.

Motor

2-pole induction motor, 50 Hz (n ≈ 2900 rpm).
GX ZERO: three-phase 230 V ± 10%;
400V ± 10%;
H05RN-F cable, 4G0.75 mm2, length 10 m, without plug.
GXM ZERO: single-phase 230 V ± 10%,
with thermal protector.
Incorporated capacitor.
H05RN-F cable, 3G0.75 mm2, length 10 m, with CEI-UNEL 47166 plug.
Insulation class F.
Protection IP X8 (for continuous immersion)
Double impregnation humidity-proof dry winding.
Constructed in accordance with EN 60034-1.

Special features on request

Other voltages.
Frequency 60 Hz (as per 60 Hz data sheet).
Other mechanical seal.
Motor suitable for operation with frequency converter.

Designation

Example: GXM ZERO
GX = Series
M = Single-phase (without three-phase indication)
ZERO = Pump type

Materials

Components	Materials
Pump casing	PA66-50FV (Noryl)
Filter	Polypropylene
Impeller	PPO-GF20 (Noryl)
valve	NBR / Chrome-nickel steel AISI 304
motor jacket	Chrome-nickel steel 1.4301 EN 10088 (AISI 304)
Pump jacket	Chrome-nickel steel 1.4301 EN 10088 (AISI 304)
Handle	Polypropylene
Shaft	Chrome-nickel steel 1.4305 EN 10088 (AISI 303)
Mechanical seal	Alumina-Carbon-NBR
Seal lubrication oil	Oil for food/pharmaceutical machinery

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Three-phase

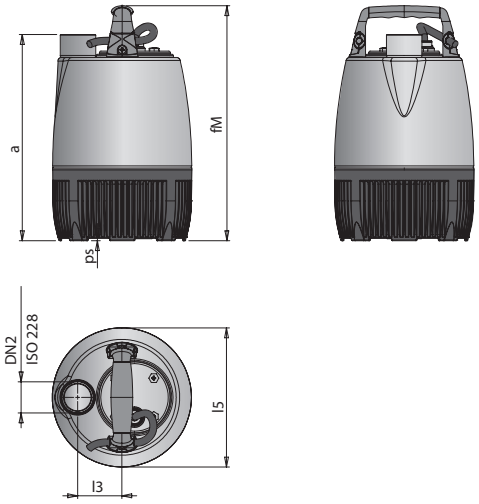
				Q = Flow						
				m³/h	0	1,2	2,25	3	4,5	6
Model	400V	P2		l/min		20	37,5	50	75	100
	A	kW	HP	H (m) = Total head						
GX ZERO	0,9	0,25	0,34		9,8	9	8,1	7,1	4,5	1,6

Single-phase

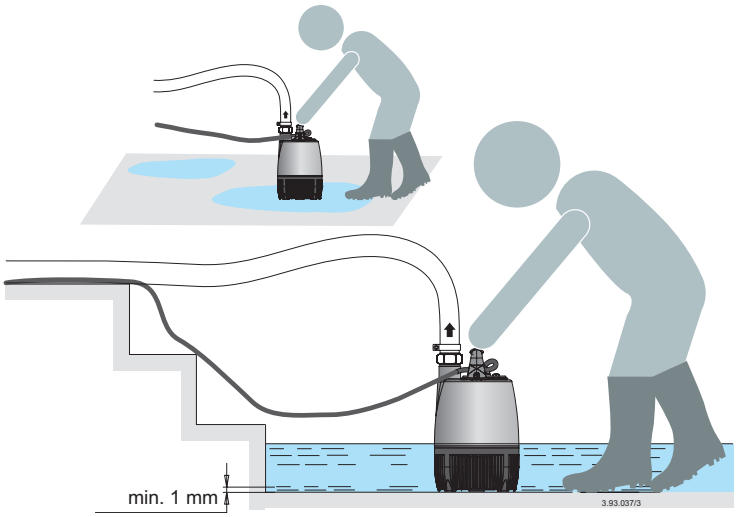
							Q = Flow						
							m³/h	0	1,2	2,25	3	4,5	6
Model	230V	Capacitor		P2		P1	l/min		20	37,5	50	75	100
	A	Vc	uf	kW	HP	kW	H (m) = Total head						
GXM ZERO	2,5	450	8	0,25	0,34	0,5		9,8	9	8,1	7,1	4,5	1,6

P1: Maximum power input.
P2: Rated motor power output.
Head and power values valid for liquids with density ρ = 1,0 kg/dm3 and kinematic viscosity v = max 20 mm2/sec. Total head in m

Dimensions and weights



Examples of installations



TYPE	ISO 228	mm					kg
	DN2	a	fM	l5	l5	ps	Weight
GXM ZERO	G 1 1/4	261	297	56	176	3	5.4

weights With cable length: 10 m