



Materials

Component	Material
Pump casing	Chrome-nickel steel AISI 304
Suction casing	Chrome-nickel steel AISI 304
Impeller	Chrome-nickel steel AISI 304
Motor jacket	Chrome-nickel steel AISI 304
Pump jacket	Chrome-nickel steel AISI 304
Handle	Polypropylene
Shaft	Chrome-nickel steel AISI 303
Mechanical seal	Ceramic alumina/Carbon/NBR
Seal lubrication oil	Oil for food/pharmaceutical machinery

Construction

Single-impeller submersible pumps in chrome-nickel stainless steel, with horizontal suction port and vertical delivery port for rainwater applications.

GXR-R: with open impeller.

Motor cooled by the pumped water passing between the motor jacket and the external jacket.

Double shaft seal with oil chamber.

Applications

For clean water containing solids up to 10 mm grain size.

Extraction of water from ponds, emptying tanks or pits and for rainwater applications.

For irrigation purposes.

For outdoor use a power supply cable of not less than 10 m should be used in accordance with: EN 60 335-2-41.

Operating conditions

Floating suction filter has to be provided, see ex. pag. 189.

Liquid temperature up to 50° C.

Maximum immersion depth: 5 m.

Minimum water level with float 70 mm.

Minimum water level manual operation 15 mm.

Continuous duty.

Motor

2-pole induction motor, 60 Hz ($n \approx 3450$ rpm).

GXR-R: three-phase 220 V;
three-phase 380 V;

GXR-RM: single-phase 220 V,
with float switch and thermal protector.
Incorporated capacitor.

Insulation class F.

Protection IP X8 (for continuous immersion)

Double impregnation humidity-proof dry winding.

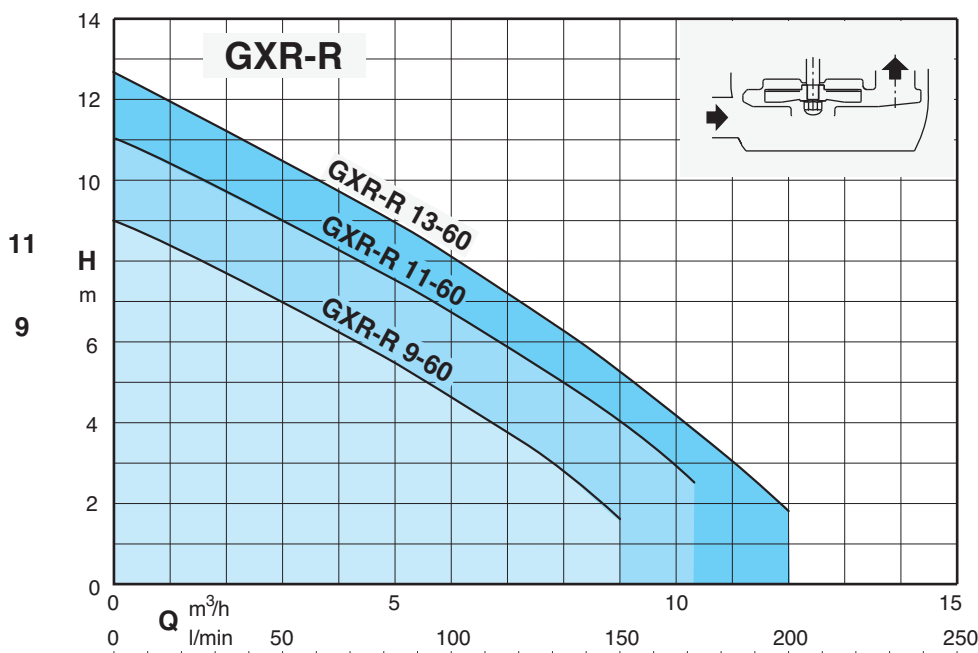
Constructed in accordance with: EN 60034-1;

EN 60335-1, EN 60335-2-41.

Other features on request

- Other voltages.
- Other mechanical seal.
- Cable length 10 m.
- Vertical magnetic float switch.
- Floating suction filter with pipe.
- Motor suitable for operation with frequency converter.

Characteristic curves $n \approx 3450$ rpm



Performance n ≈ 3450 rpm

3~	220V 380V			1~	220V			P ₂		Q	H m											
	A	A	IA/IN		A	IA/IN	kW	HP	m ³ /h		l/min	0	1,2	3	4,5	6	7,5	9	10,2	12	13,2	
GXR-R 9-60	1,4	0,8	3,8	GXR-RM 9-60	2,5	2,3	0,25	0,33	H m	9	8,3	7,2	6,1	4,7	3,2	1,7						
GXR-R 11-60	3,1	1,8	3,8	GXR-RM 11-60	3,6	2,3	0,37	0,5		11	10,4	9,2	8,1	6,8	5,5	4	2,7					
GXR-R 13-60	3,4	2	3,5	GXR-RM 13-60	4,9	2,5	0,45	0,6		13	12	10,8	9,6	8,2	6,7	5,1	3,8	1,8				

P₂ Rated motor power output.

Kinematic viscosity ν = max 20 mm²/sec.

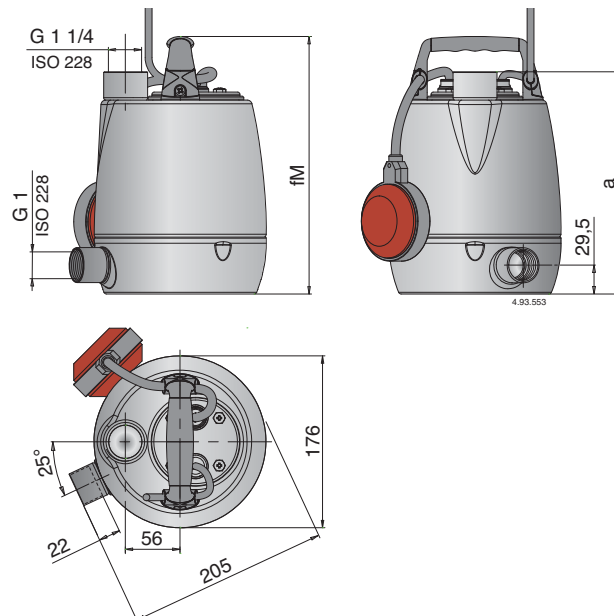
Tolerances according to UNI EN ISO 9906:2012.

IA/IN = D.O.L. starting current / Rated current.

Density ρ = 1000 kg/m³.

Pump type	Power supply cable				Float switch	
	Cable material	Section	Length	Plug CEE 7(VII)	Cable material	Section
GXR-RM 9-60	H05RN-F	3G0,75 mm ²	5 m	YES	H07RN-F	3G1 mm ²
GXR-RM 11-60, 13-60	H07RN-F	3G1 mm ²	5 m	YES	H07RN-F	3G1 mm ²
GXR-R 9-60	H05RN-F	4G0,75 mm ²	5 m	NO	NO	-
GXR-R 11-60, 13-60	H07RN-F	4G1 mm ²	5 m	NO	NO	-

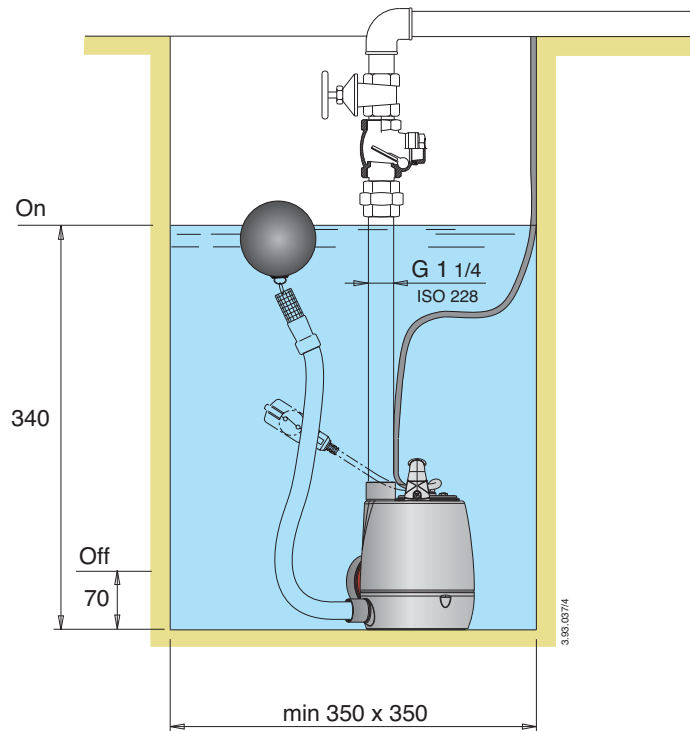
Dimensions and weights



TYPE	Dimensions mm		(1) kg	
	fM	a	GXR-R	GXR-RM
GXR-R 9-60 - GXR-RM 9-60	265	230	5	5,2
GXR-R 11-60 - GXR-RM 11-60	300	265	6,2	6,5
GXR-R 13-60 - GXR-RM 13-60	300	265	6,7	7,2

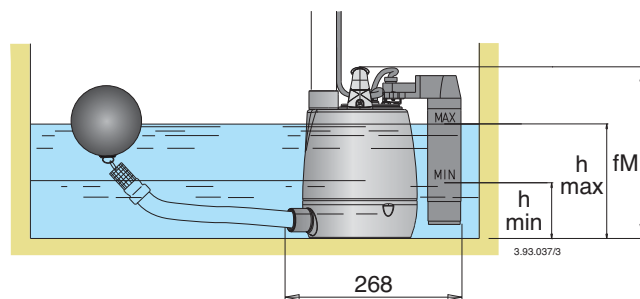
(1) With cable length: 5 m

Installation examples with floating suction filter with pipe



Installation examples with vertical magnetic float switch

30.1



TYPE	mm			(1) kg GXR-RM
	fM	h min	h max	
GXR-RM 9-60 GF	265	100	190	5,2
GXR-RM 11-60 GF	300	135	225	6,5
GXR-RM 13-60 GF	300	135	225	7,2

(1) With cable length: 5 m

Features

PATENTED

G 1 1/4 vertical, upward delivery port.

Minimum dimension and high levels of performance, for use in many different applications, head up to 13 m and flow rates up to 200 liters/min.

Easy adjustment of the float switch: to allow the adjustment of start/stop pump levels

Handle in polypropylene.

Easy inspection of the capacitor area

Shaft in chrome-nickel stainless steel.

Motor cooled by the pumped water passing between the motor jacket and the external jacket.

Ceramic stainless steel shaft sleeve

Oil chamber

Impeller in chrome-nickel stainless steel, it allows the passage of solids up to 10 mm.

G 1 orizontal suction port for rainwater applications

The double shaft seal with oil chamber separates the motor from the water and provides further protection against accidental operation when dry.

