

-  Clear waters
-  Domestic use
-  Civil use

✘ Pumps entirely made of stainless steel



### PERFORMANCE RANGE

- Flow rate up to **320 l/min** (19.2 m<sup>3</sup>/h)
- Head up to **20.5 m**

### INSTALLATION AND USE

**RX** pumps are designed for efficiently draining **clear water** without abrasive particles. Their design ensures user-friendly operation and safe performance, thanks to complete motor cooling and a double shaft seal. Ideal for home and public applications, these pumps are perfect for permanent setups, quickly handling emergency situations like small floods in rooms, basements, and garages. They're also great for managing household wastewater from dishwashers and washing machines, as well as for sump emptying.

### APPLICATION LIMITS

- Maximum operating depth below water level up to **10 m** (with an appropriately sized power cable)
- Liquid temperature up to **+50 °C** and up to **+90 °C** for short bursts (up to 3 minutes max) for intermittent service
- Capable of processing suspended solids up to **Ø 10 mm**
- Draining capability:
  - up to **14 mm** from the bottom for RX 1-2-3
  - up to **25 mm** from the bottom for RX 4-5

### PATENTS - TRADE MARKS - MODELS

- Patent No. EP2313658
- Patent No. IT0001428923

### INCLUDES

- ✘ **5 m** power cable
- ✘ Float switch for single-phase versions

### AVAILABLE UPON REQUEST

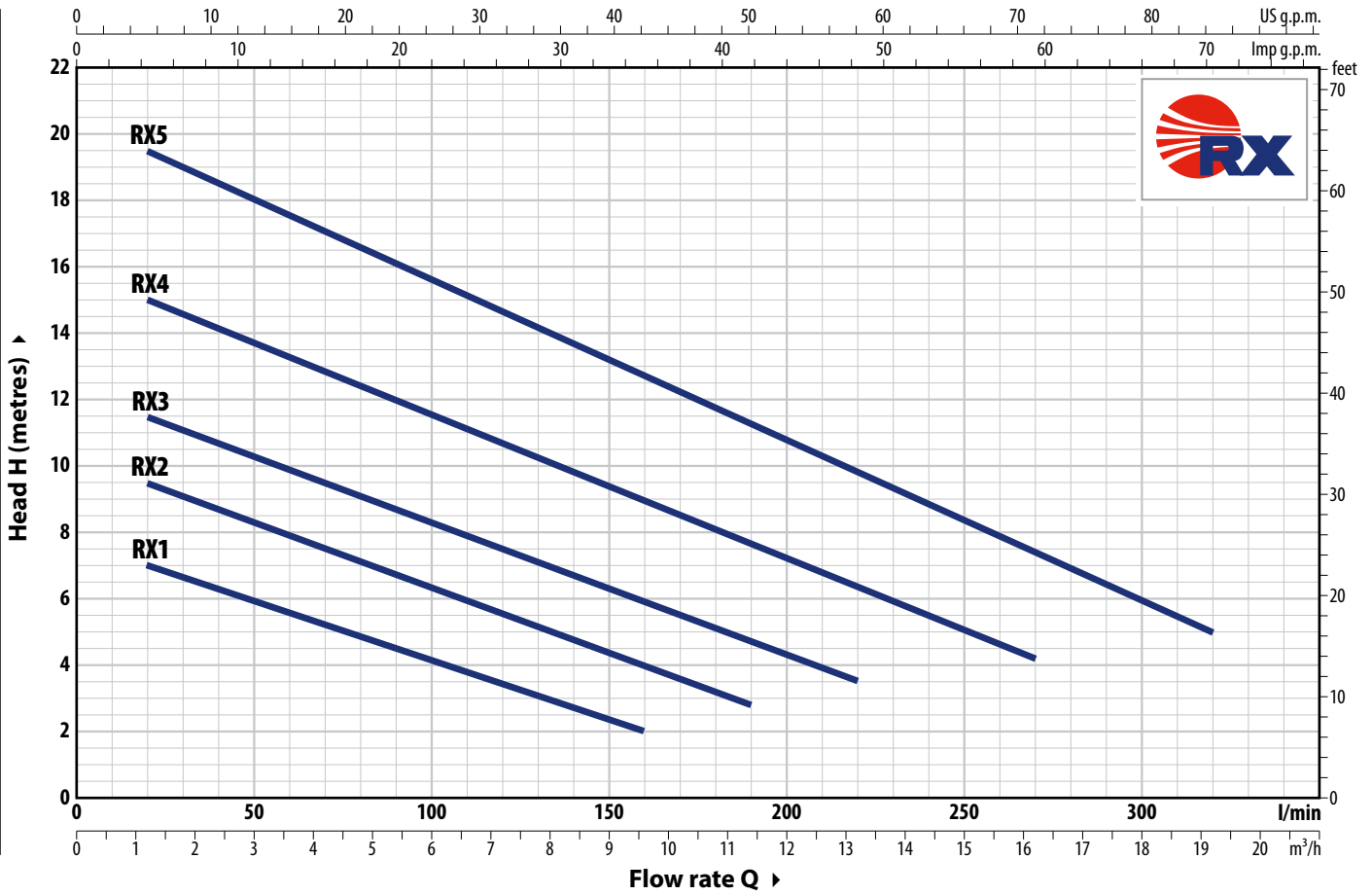
- ✘ Mechanical seal options available
- ✘ Pumps with **10 m** power cable
- ✘ Different voltage requirements 60 Hz frequency
- ✘ **RX-GM** pumps with magnetic float switch (suitable for small sumps)



✘ **RX-GM**

## CURVES AND PERFORMANCE DATA

50 Hz



TYPE	POWER (P <sub>2</sub> )	Q																										
		Single-ph.		Three-ph.		m <sup>3</sup> /h		l/min																				
	kW	HP	0	1.2	3.6	6	7.8	9.6	11.4	13.2	14.4	16.2	18	19.2	0	20	60	100	130	160	190	220	240	270	300	320		
RXm 1	0.25	0.33	H metres	7.7	7	5.6	4	3	2																			
RXm 2	0.37	0.50		10.3	9.5	8	6.4	5.2	4	2.8																		
RXm 3	0.55	0.75		12.3	11.5	10	8.3	7	6	4.7	3.5																	
RXm 4	0.75	1		16	15	13.3	11.5	10.3	9	7.7	6.4	5.5	4.2															
RXm 5	1.1	1.5		20.5	19.5	17.6	15.6	14.2	12.7	11.3	9.8	9	7.4	6	5													

Q = Flow rate H = Total manometric head

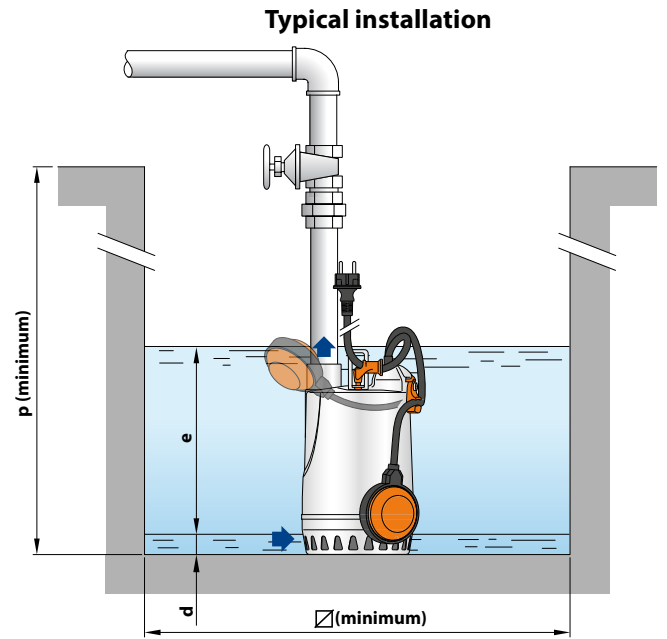
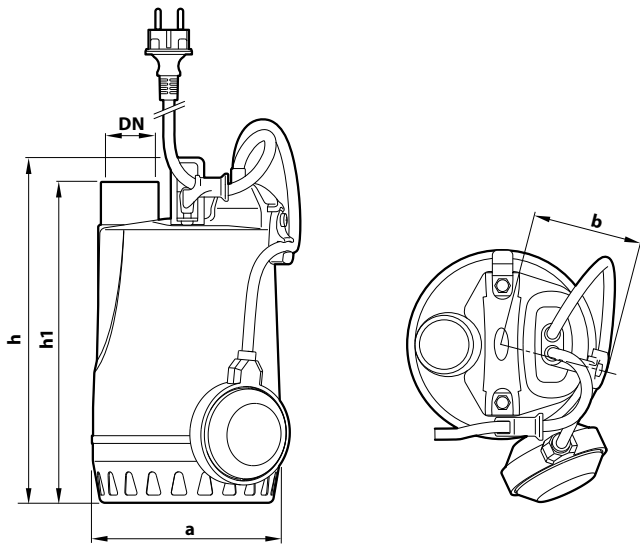
Performance curves comply with EN ISO 9906 Grade 3B tolerance limits.

## ABSORPTION

TYPE	VOLTAGE
Single-phase	<b>230 V</b>
RXm 1	1.5 A
RXm 2	2.0 A
RXm 3	3.6 A
RXm 4	5.9 A
RXm 5	7.5 A

TYPE	VOLTAGE
Three-phase	<b>400 V</b>
RX 1	0.9 A
RX 2	<b>1.0 A</b>
RX 3	1.6 A
RX 4	2.1 A
RX 5	3.5 A

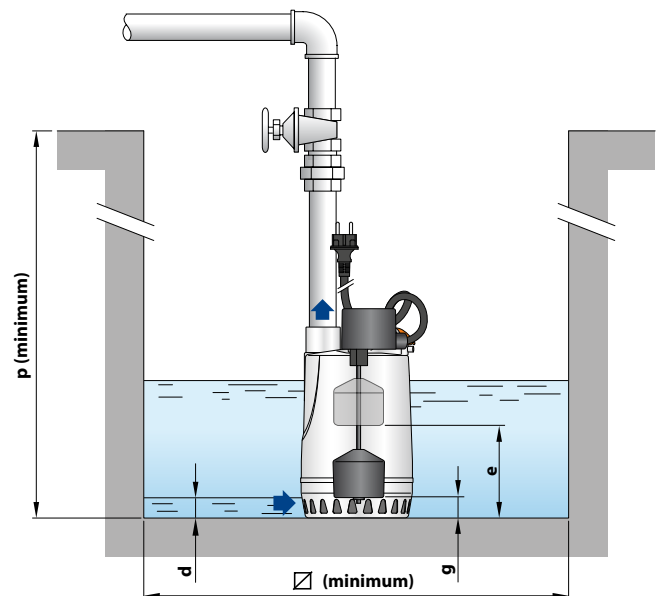
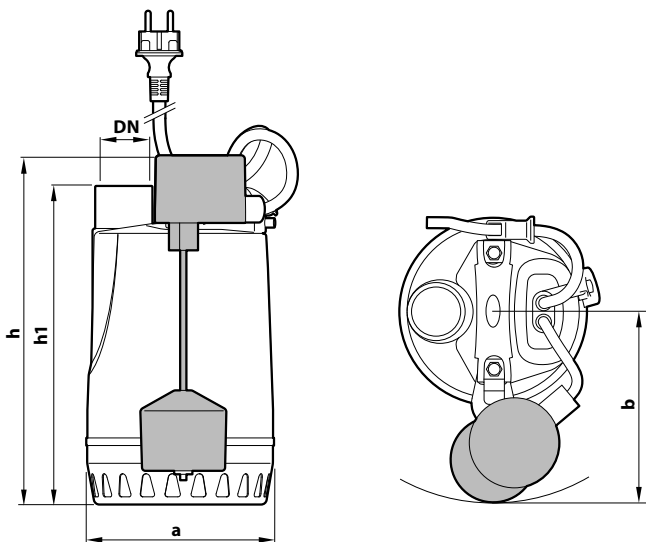
### DIMENSIONS AND WEIGHT



TYPE		PORT	DIMENSIONS mm								kg		PALLET CAPACITY
Single-phase	Three-phase	DN	a	b	h	h1	d	e	p	Ø	1~	3~	
RXm 1	RX 1	1 1/4"	147	84	268	243	14	adjustable	350	350	6.1	5.7	96
RXm 2	RX 2				298	273					6.1	5.7	96
RXm 3	RX 3				298	273					7.6	7.1	96

※ Version with 'GM' magnetic float switch

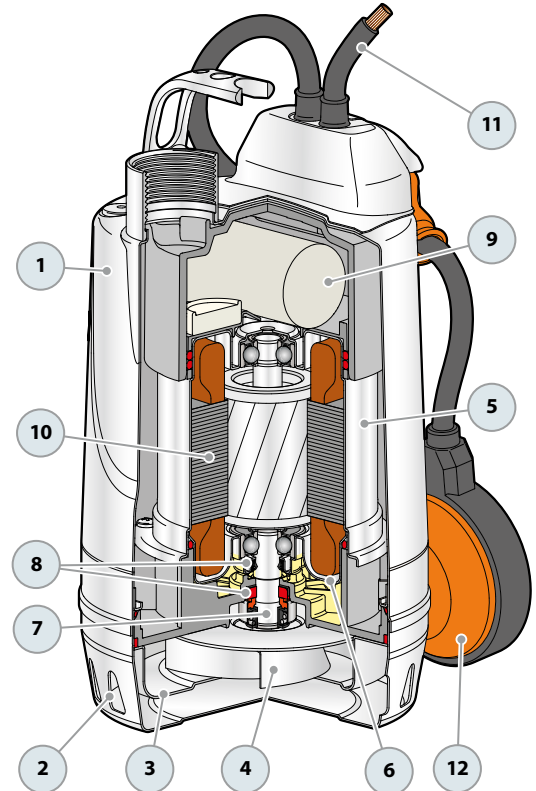
### Typical installation



TYPE	PORT	DIMENSIONS mm									kg	PALLET CAPACITY
Single-phase	DN	a	b	h	h1	d	e	g (adjustable)	p	Ø	1~	
RXm 1-GM	1 1/4"	147	150	270	243	14	145	40	350	240	6.3	80
RXm 2-GM				300	273		175	45			6.3	80
RXm 3-GM				300	273		175	45			7.6	80

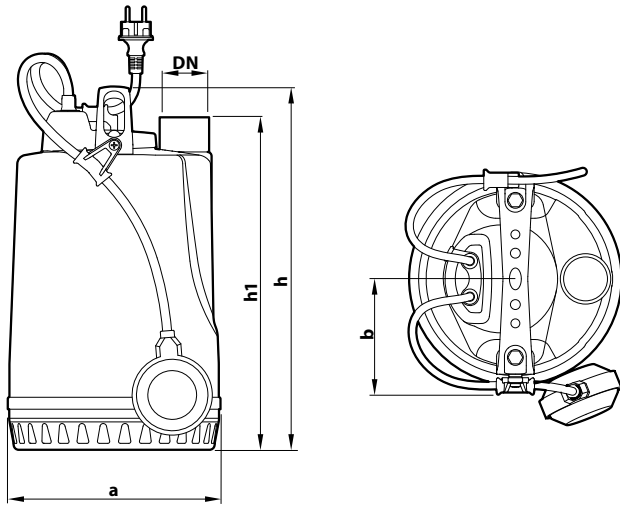
## MATERIALS AND COMPONENTS

<b>1</b>	<b>Outer sleeve</b>	<b>AISI 304</b> stainless steel with ISO 228/1 threaded port
<b>2</b>	<b>Suction filter</b>	Stainless steel <b>AISI 304</b>
<b>3</b>	<b>Diffuser</b>	Stainless steel <b>AISI 304</b>
<b>4</b>	<b>Impeller</b>	Stainless steel <b>AISI 304</b>
<b>5</b>	<b>Motor sleeve</b>	Stainless steel <b>AISI 304</b>
<b>6</b>	<b>Motor cover</b>	Stainless steel <b>AISI 304</b>
<b>7</b>	<b>Motor shaft</b>	Stainless steel <b>AISI 431</b>
<b>8</b>	<b>Double shaft seal with interposed oil chamber</b>	
	Seal	Shaft
	<b>STA-12R</b>	Ø 12 mm
		Materials
		Ceramic / Graphite / NBR
	<b>Shaft seal</b>	Ø 12 x Ø 19 x H 5 mm
<b>9</b>	<b>Capacitor</b> (exclusive to single-phase models)	
<b>10</b>	<b>Electric motor</b>	
	<b>RXm:</b> single-phase 230 V - 50 Hz with winding integrated thermal motor protection	
	<b>RX:</b> three-phase 400 V - 50 Hz	
	- Continuous running duty S1	
	- Insulation: Class F	
	- Protection rating IP X8	
<b>11</b>	<b>Power cord</b>	
	Type 'H07 RN-F (Schuko plug exclusive to single-phase models)	
	※ Standard length 5 metres	
<b>12</b>	<b>Float switch</b> (exclusive to single-phase models)	

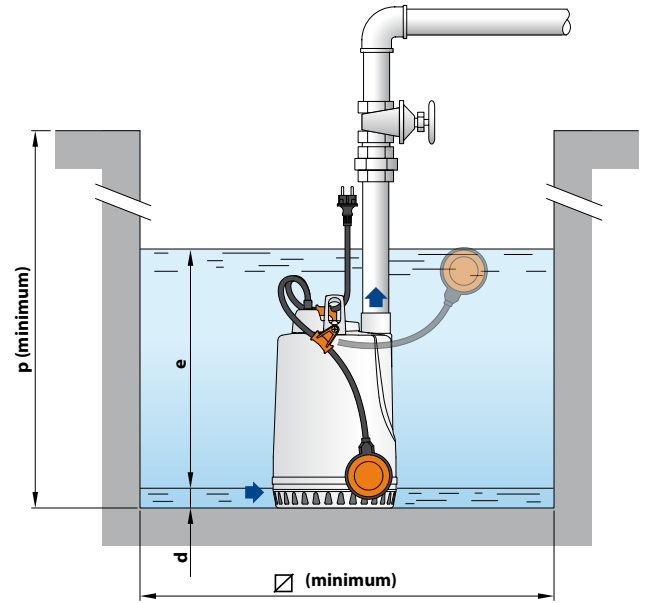


# RX 4-5 Technical data

## DIMENSIONS AND WEIGHT



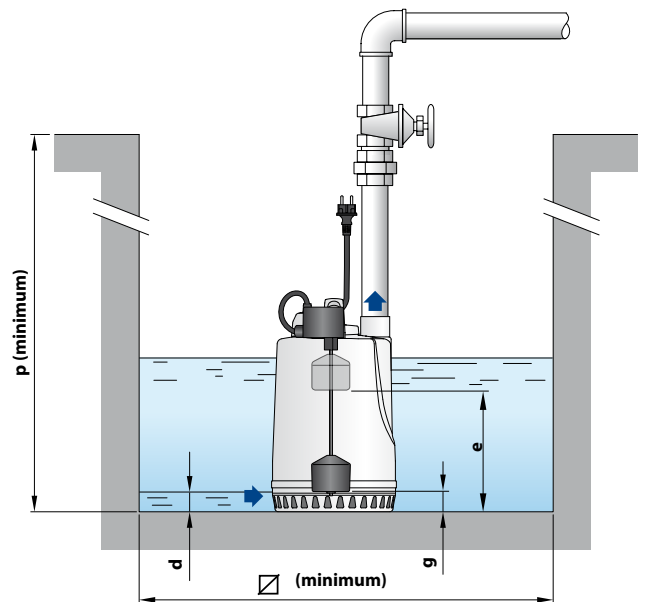
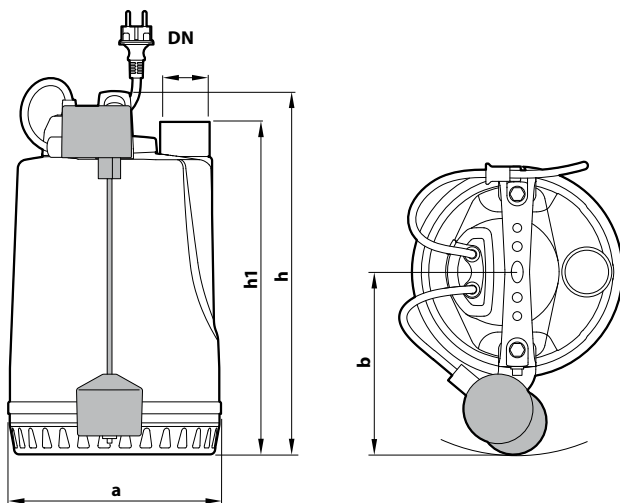
## Typical installation



TYPE		PORT DN	DIMENSIONS mm								kg		PALLET CAPACITY
Single-phase	Three-phase		a	b	h	h1	d	e	p	∅	1~	3~	
<b>RXm 4</b>	<b>RX 4</b>	<b>1½"</b>	220	118.5	368	336	25	adjustable	500	500	14.3	13.3	45
<b>RXm 5</b>	<b>RX 5</b>										15.5	14.4	

## ※ Version with 'GM' magnetic float switch

## Typical installation



TYPE	PORT DN	DIMENSIONS mm									kg		PALLET CAPACITY
Single-phase	DN	a	b	h	h1	d	e	g (adjustable)	p	∅	1~	3~	
<b>RXm 4 - GM</b>	<b>1½"</b>	220	186.5	368	336	25	250	50	500	300	14.5	36	
<b>RXm 5 - GM</b>											15.6		

## MATERIALS AND COMPONENTS

<b>1</b>	<b>Outer sleeve</b>	<b>AISI 304</b> stainless steel with ISO 228/1 threaded port		
<b>2</b>	<b>Suction filter</b>	Stainless steel <b>AISI 304</b>		
<b>3</b>	<b>Diffuser</b>	Stainless steel <b>AISI 304</b>		
<b>4</b>	<b>Impeller</b>	Stainless steel <b>AISI 304</b>		
<b>5</b>	<b>Motor sleeve</b>	Stainless steel <b>AISI 304</b>		
<b>6</b>	<b>Motor cover</b>	Stainless steel <b>AISI 304</b>		
<b>7</b>	<b>Motor shaft</b>	Stainless steel <b>AISI 431</b>		
<b>8</b>	<b>Double mechanical seal with interposed oil chamber</b>			
	Seal	Shaft	Location	Materials
	<b>MG1-14D SIC</b>	Ø 14 mm	Motor side Pump side	Silicon carbide / Graphite / NBR Silicon carbide/Silicon carbide/NBR

**9 Capacitor**  
(exclusive to single-phase models)

**10 Electric motor**

**RXm:** single-phase 230 V - 50 Hz with winding integrated thermal motor protection

**RX:** three-phase 400 V - 50 Hz

- Continuous running duty S1
- Insulation: Class F
- Protection rating IP X8

**11 Power cord**

Type 'H07 RN-F  
(Schuko plug exclusive to single-phase models)

※ Standard length 5 metres

**12 Float switch**  
(exclusive to single-phase models)

