

# RX VORTEX

**SUMP pump  
for dirty water**

**Robust high-quality  
VORTEX submersible  
pumps in stainless  
steel. The proven  
VORTEX system allows  
the clearing of dirty  
water containing  
suspended solids.**



## RANGE OF PERFORMANCE

Flow rate up to 118 gpm  
Head up to 47ft

## LIMITS OF USE

Depth up to 10 m  
Liquid temperature up to 122°F  
Liquid temperature up to 104°F for intermittent duty.  
Liquid temperature up to 194°F for intermittent duty maximum 3 minutes.  
**Passage of solid bodies:**  
up to 3/4" for 0.33 hp - up to 1.5" from 0.5 Hp to 1.0 Hp  
Drainage level from the bottom:  
1" for 0.33 Hp - 1.5" from 0.5 Hp to 1.0 Hp

## CONSTRUCTION AND SAFETY STANDARDS

EN 60 335-1	EN 60034-1
IEC 335-1	IEC 34-1
CEI 61-150	CEI 2-3



## INSTALLATION AND USE

**RX-VORTEX PUMPS ARE SUITABLE FOR DRAINING DIRTY WATER. THE CONSTRUCTION GUARANTEES SIMPLE AND SAFE OPERATION, DUE TO THE COMPLETE COOLING OF THE MOTOR BY THE PUMPED WATER. THEY ARE RECOMMENDED FOR DOMESTIC USE, FOR DRAINING DIRTY WATER CONTAINING SUSPENDED SOLIDS.**

**GUARANTEE 2 YEARS** subject to our general terms of sale.

## CONSTRUCTION CHARACTERISTICS

- **DELIVERY BODY:** stainless steel AISI 304, with threaded port
- **SUCTION GRID:** stainless steel AISI 304.
- **IMPELLER:** stainless steel AISI 304.
- **MOTOR SUPPORT:** stainless steel AISI 304.
- **MOTOR SHAFT:** stainless steel EN 10088-3 - 1.4104.
- **DOUBLE SEAL:** mechanical seal **silicon carbide - NBR**, with oil barrier chamber and inner lip seal to protect the seal in the event of dry running.
- **MOTOR:** submersible asynchronous single-phase for continuous duty.  
**RXm:** single-phase 115V or 230 V - 60 Hz with capacitor and thermal overload protector.  
**RX:** three-phase 230V - 60 Hz.
- **INSULATION:** class F. • **PROTECTION:** IP 68.
- **REGISTERED MODEL.**

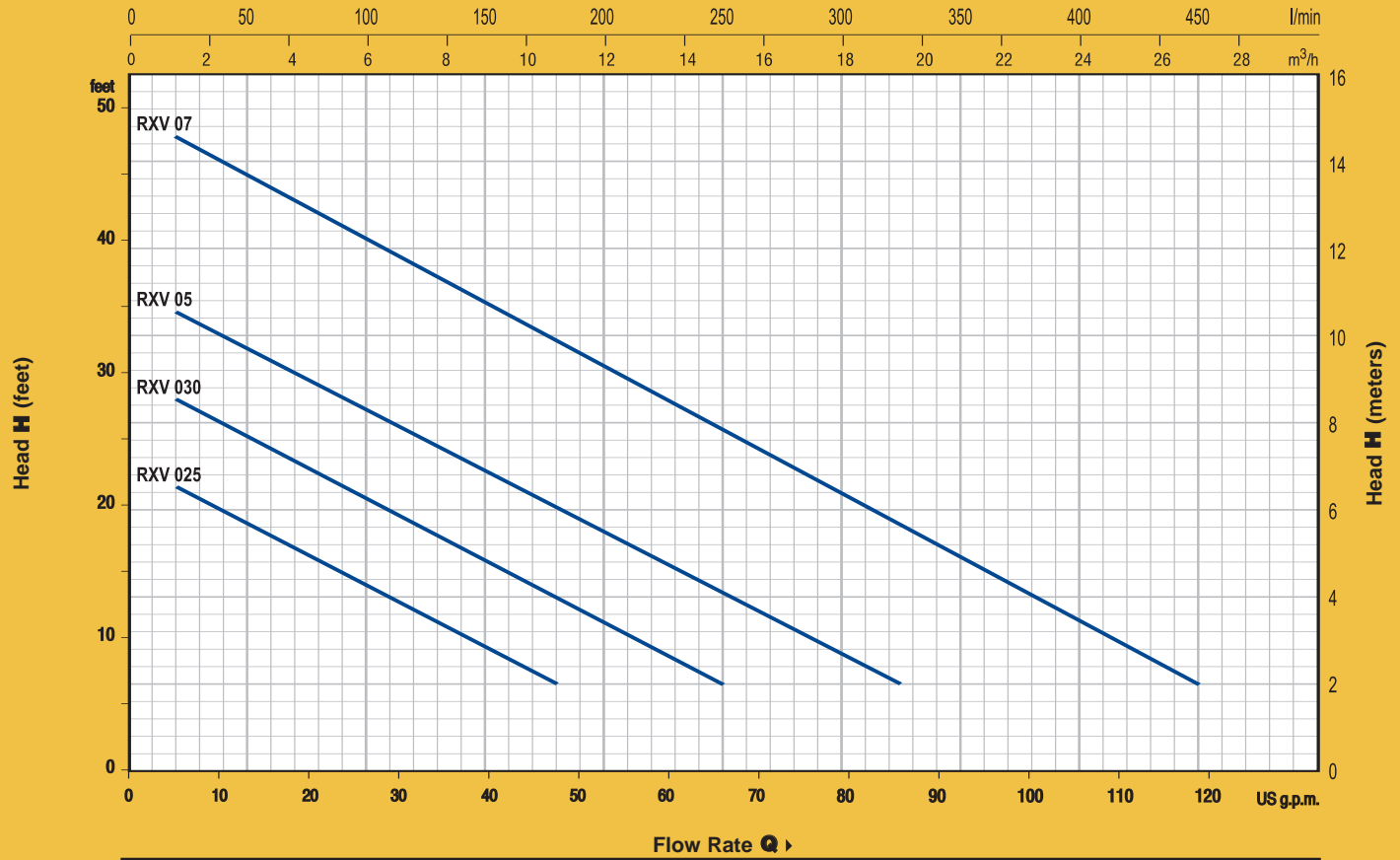
## STANDARD FEATURES:

- RXm** (single-phase) float switch.  
Neoprene power cable "H05 RN-F"  
length 15 feet
- RX** (three-phase) Neoprene power cable "H05 RN-F"  
length 15 feet.

## OPTIONS ON REQUEST

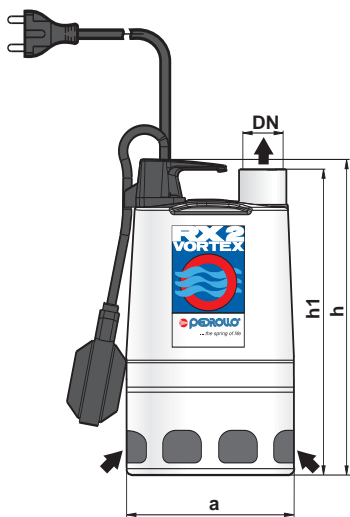
- ⇒ special mechanical seal
- ⇒ 30 feet power cable.  
N.B. required for outdoor use to comply with standard EN 60335-2-41
- ⇒ control box for three-phase pumps 1Hp
- ⇒ single-phase versions without float switch
- ⇒ other voltages or frequency 50 Hz

## CURVES AND PERFORMANCE DATA

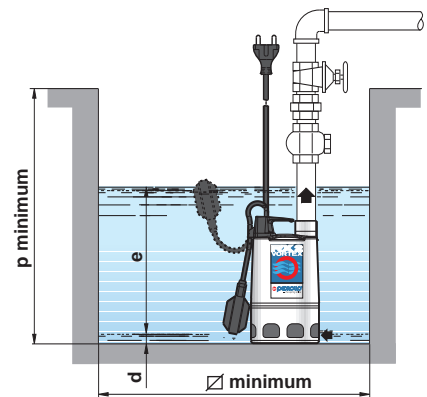


MODEL		HP	FLOW RATE GPM	FLOW RATE l/min																		
1 PH	3 PH			0	5	10	15	21	26	31	37	42	47	52	66	79	86	92	105	119		
RXV 025		0.25	H Feet	23	21	20	18	16	14	12	10	8	7									
RXV 030	RXV 030	0.33		30	28	26	24	22	21	19	17	15	13	11	7							
RXV 05	RXV 05	0.5		36	34	33	31	29	27	25	23	22	20	18	13	9	7					
RXV 07	RXV 07	0.7		49	48	46	44	42	40	38	36	34	32	30	26	21	18	16	11	7		

## DIMENSIONS AND WEIGHT



Typical single-phase installation



MODEL		DISCH	DIMENSIONS INCHES							LBS	
1 PH	3 PH		a	h	h1	d	e	p	∅ min	1~	3~
RXV 025		1 1/4"	5.8	10.0	9.7	0.7		Adjustable	13.8	13.8	13
RXV 030	RXV 030						27		25		
RXV 05	RXV 05						30		27		
RXV 07	RXV 07	1 1/2"	8.5	15.9	15.2	1.6	Adjustable	0.5	0.5	32	29