

# SPEED VORTEX

## SUBMERSIBLE PUMPS



Dirty water

Domestic use



### PERFORMANCE RANGE

- Flow rate up to **180 l/min** (10.8 m<sup>3</sup>/h)
- Head up to **8.5 m**

### APPLICATION LIMITS

- **3 m** maximum immersion depth (with a sufficiently long power cable)
- Maximum liquid temperature **+40 °C** (Maximum liquid temperature +90 °C for a maximum of 3 minutes intermittent service)
- Passage of suspended solids up to **Ø 25 mm**
- Suction down to **25 mm** above ground level
- Continuous service **S1**

### CONSTRUCTION AND SAFETY STANDARDS

The pumps are complete with:

- power cable
- float switch

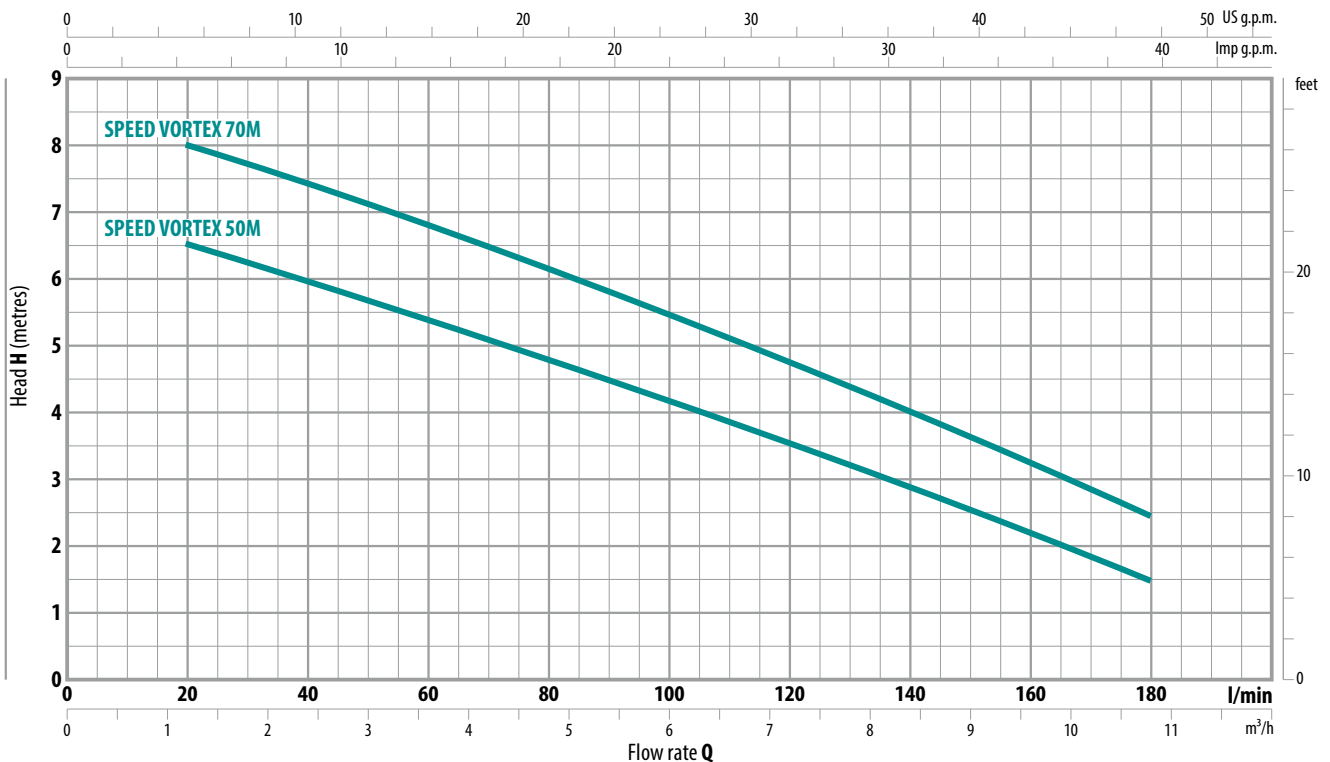
EN 60335-1  
IEC 60335-1  
CEI 61-150

EN 60034-1  
IEC 60034-1  
CEI 2-3



## CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz | n= 2900 min<sup>-1</sup>



MODEL	POWER (P <sub>2</sub> )		Q	Flow rate											
	kW	HP		m <sup>3</sup> /h	0	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	10.8	
Single-phase			l/min	0	20	40	60	80	100	120	140	160	180		
SPEED VORTEX 50M	0.37	0.50	H metres	7	6.5	6	5.4	4.8	4.2	3.5	2.9	2.2	1.5		
SPEED VORTEX 70M	0.55	0.75		8.5	8	7.4	6.8	6.1	5.5	4.7	4	3.2	2.5		

Q = Flow rate  
H = Total manometric head

Tolerance of characteristic curves in compliance with EN ISO 9906 Grade 3B.

## INSTALLATION AND USE

The SPEED VORTEX pump is suitable for use with dirty water that is not chemically aggressive towards the materials from which the pump is made.

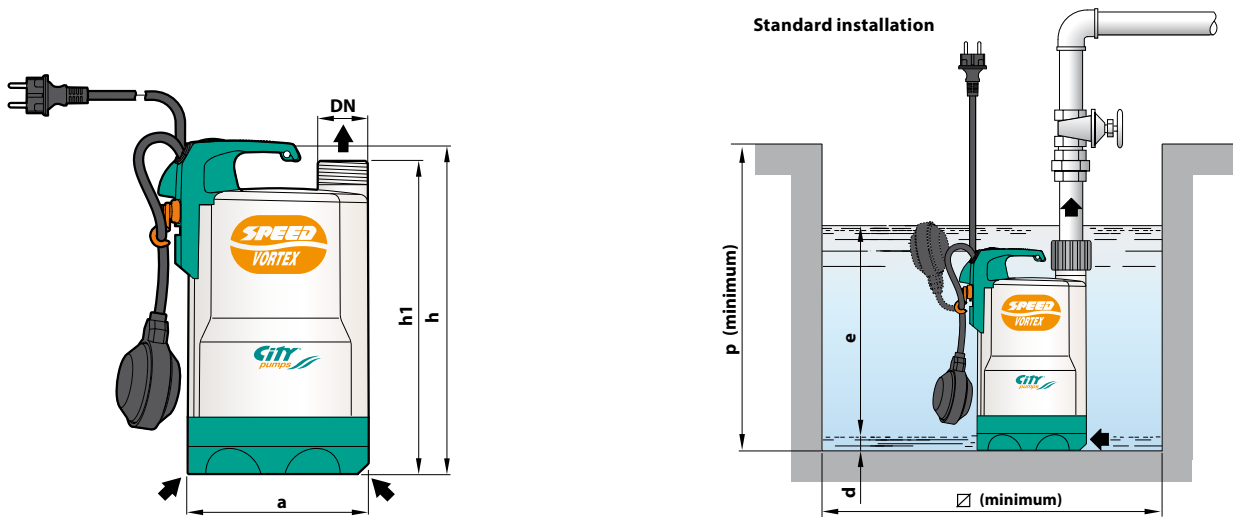
Because of the design solutions that have been adopted, such as the complete cooling of the motor and the shaft with double seal, these pumps are easy to use and reliable.

They are suitable for use in applications such as clearing dirty water, emptying tanks, discharging domestic waste water, and for emptying collection traps containing suspended solids up to a maximum of  $\varnothing$  20 mm.

## CONSTRUCTION CHARACTERISTICS

<b>PUMP BODY</b>	Technopolymer
<b>IMPELLER</b>	Technopolymer VORTEX type
<b>MOTOR SHAFT</b>	Stainless steel EN 10088-3 - 1.4104
<b>SHAFT WITH DOUBLE SEAL AND OIL CHAMBER</b>	Ceramic - Graphite - NBR
<b>POWER CABLE</b>	H07 RN-F type 5 m long power cable with Schuko plug

## DIMENSIONS AND WEIGHT



MODEL	PORT DN	DIMENSIONS mm							kg
		a	h	h1	d	e	p	∅	
Single-phase									
SPEED VORTEX 50M	1 1/4"	152	288	268	25	variable	350	350	5.2
SPEED VORTEX 70M			318	298					6.6

## ABSORPTION

MODEL	VOLTAGE		
	230 V	240 V	110 V
Single-phase			
SPEED VORTEX 50M	2.0 A	1.9 A	4.0 A
SPEED VORTEX 70M	2.9 A	2.8 A	5.8 A

## PALLETIZATION

MODEL	GROUPAGE	CONTAINER
Single-phase	n. pumps	n. pumps
SPEED VORTEX 50M	96	144
SPEED VORTEX 70M	96	144