



# Sewage drain pump DEKA VS 550 (764093)

## Scheda tecnica



M012-71 – Rev. 00 – 05/2018

Stainless steel submersible centrifugal pump with microcast steel liquid vortex impeller, suitable for lifting sewage and drain water in general containing solid matter with size up to 50 mm.

**WARNING: This equipment may be damaged in case of freezing.**

### CONSTRUCTIONAL CHARACTERISTICS

AISI 304 stainless steel pump body, seal cover, motor cover, and cap with handle. Microcast steel impeller. Insulating rubber covered handle. AISI 316 stainless steel motor shaft. Double mechanical seal with interposed oil chamber (non-toxic oil) in carbon-alumina on the motor side, and silicon carbide/ silicon carbide on the pump side.

### MOTOR CHARACTERISTICS

Dry, asynchronous and waterproof motor, cooled by the pumped liquid. Rotor running on permanently lubricated ball bearings, selected to ensure low noise and durability. Overcurrent protection as standard. Permanently connected capacitor. Continuous duty with liquid temperature 35 °C and completely submerged pump. It can be supplied with float for automatic operation. Power cable: 10 meter H07RN-F, with plug for the single-phase version. Number of poles: 2; Max starts/hour: 20

### TECHNICAL DATA

- Operating range: from 0 to 18 m<sup>3</sup>/h with head up to 7 m.
- Liquid temperature range: from 0 to 35°C for domestic uses (EN 60335-2-41)  
from 0 a 50 °C for other uses
- Maximum ambient temperature for motor working above water: 40°C
- Maximum immersion depth: 7 m
- Motor protection class: IP 68
- Insulation class: F
- Standard voltage: 220-240V~ 50Hz
- Installation: fixed or portable, vertical position

Model	Electrical data					
	Power input	P1 <sub>max</sub> [W]	P2 <sub>nom</sub> [kW]	P2 <sub>nom</sub> [HP]	Capacitor	
					[µF]	[Vc]
DEKA VS 550	220-240V~ 50Hz	927	0,55	0,75	20	450

Hydraulic data				
Q [m <sup>3</sup> /h]	0	6	12	18
H [m]	7,4	6,2	4,1	1,8

## SAFETY WARNINGS

- Refer to the technical manual supplied with the system for all information and instructions.
- **The water system must be installed by qualified personnel, in compliance with Min. Decree 37/08, the best state of the art and in conformity with the instructions given in the technical manual.**
- Any handling, installation, maintenance and repair work on the systems must be carried out by qualified personnel in compliance with Min. Decree 37/08, the best state of the art and in conformity with the instructions given in the technical manual.
- The place where the systems, auxiliary material and consumables are located must comply with the storage, use and safety requirements of the current regulations.
- The water produced by every unit must only be used for its specifically intended purpose. Culligan declines any liability for the consequences of improper use of the water produced by its equipment.
- Any operation fault in the systems must be promptly reported to the Culligan Service Center. Culligan declines any liability for the consequences of prolonged use of a faulty system.
- When necessary, the choice, dosing and handling of chemicals must be done by professionally qualified personnel, complying with the instructions given by Culligan and in the Technical Safety sheets.
- Waste or consumable materials from the water treatment systems must be disposed of in accordance with the current regulations.
- Do not place the device on top of other electrical appliances.
- Position the device away from heat sources.
- In case of an anomaly (water leaks, etc.), disconnect the power supply and close the water inlet shutoff valve.
- Culligan also declines any liability in the following specific cases:
  - improper use of the device;
  - use contrary to the specific national regulations (power and water supplies, installation and maintenance);
  - installation without following the instructions supplied in this manual;
  - power and water supply faults (electrical discharges – voltage rushes – water supply overpressure – low water pressure);
  - unsuitable ambient operating temperature;
  - inadequate maintenance;
  - unauthorized work or modifications;
  - breaking
  - use of non-original replacement parts or not specific for the model;
  - total or partial non-compliance with the instructions;
- For anything not specified, the operator must rely on common sense when using the device.