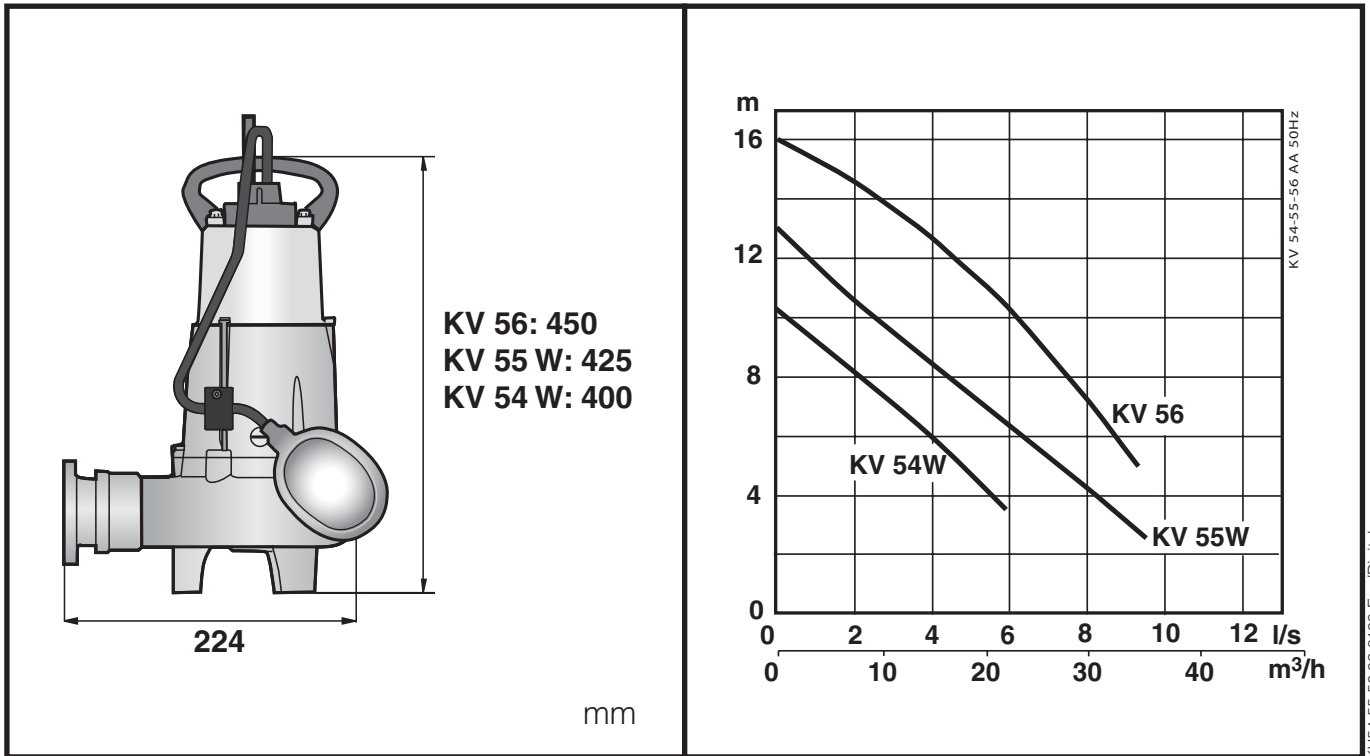


## Submersible sludge pump

## KV 54, KV 55 KV 56

50 Hz



### Specification

Electric submersible sludge pump with vortex impeller.  
Free passage 40 mm.  
Protection class IP 68. Class F insulation.  
Maximum liquid temperature 40 °C.

### Pump Types

KV 54 W / KV 54 WA\* single-phase  
KV 55 W / KV 55 WA\* single-phase  
KV 56 / KV 56A\* three-phase

(\*option: built in float switch)

### Electric Motor

Single-phase motor with built-in capacitor, 50 Hz.

Motor rating P<sub>2</sub>: 0.7 kW (KV 54 W)  
1.5 kW (KV 55 W)  
Speed: 2900 rpm

Voltage, V	230
Nominal current, A (0.7 kW)	4.8
Nominal current, A (1.5 kW)	9.0

3-phase squirrel-cage induction motor, 50 Hz

Motor rating P<sub>2</sub>: 1.8 kW  
Speed: 2900 rpm

Voltage, V	400
Nominal current, A	4.1

### Power Cable

10 m type HO7RN-F:  
3x1.0 sq.mm. (KV 54 W, KV 55 W)  
4x1.0 sq.mm. (KV 56)

### Motor Protection

Built-in thermal switches protect the motor from overheating.

### Shaft Seal

Mechanical seal in oil bath: Silicon carbide on silicon carbide

### Bearings

Upper bearing: Single-row deep groove ball bearing  
Lower bearing: Single-row deep groove ball bearing

### Materials

	EN	ASTM
Motor housing: Grey cast iron	EN-GJL-250	ASTM A48 35B / 40B
Cover: Stainless steel	10088:X5CrNi18-10 (1.4301)	AISI 304
Fasteners: Stainless steel	10088:X5CrNiMo17-12-2 (1.4401)	AISI 316
Rotor shaft: Stainless steel	10088:X20Cr13 (1.4021)	AISI 420
Volute: Grey cast iron	EN-GJL-250	ASTM A48 35B / 40B
Impeller: Polyamide		

### Discharge Connections

2" hose connections.  
G 2" threaded connections

### Weight (without cable)

14 kg (KV 54W), 17 kg (KV 55W), 20 kg (KV 56)

### Options and Accessories

Float switch.  
Starter box for D.O.L. start.

