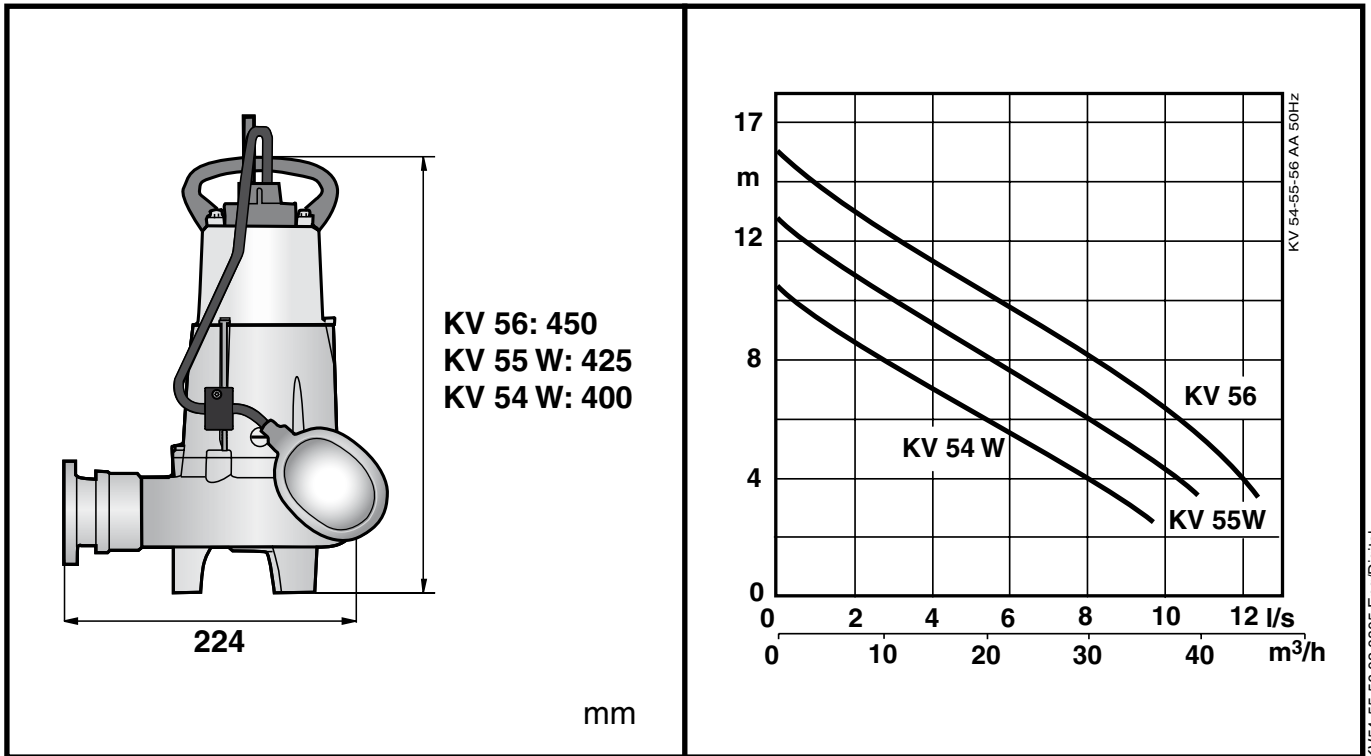


Submersible sludge pump

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* 3-phase

(*option: built in float switch)

Electric Motor

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

Motor rating P₂: 1.0 kW (KV 54 W)
1.5 kW (KV 55 W)
Speed: 2900 rpm

Voltage, V	230
Nominal current, A (1kW)	6.7
Nominal current, A (1.5kW)	9.0

3-phase squirrel-cage induction motor, 50 Hz

Motor rating P₂: 2.0 kW
Speed: 2900 rpm

Voltage, V	400
Nominal current, A	4.6

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 and fasteners:	Stainless steel 10088:X5CrNi18-10 (1.4301)	AISI 304
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)

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

Options and Accessories

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

