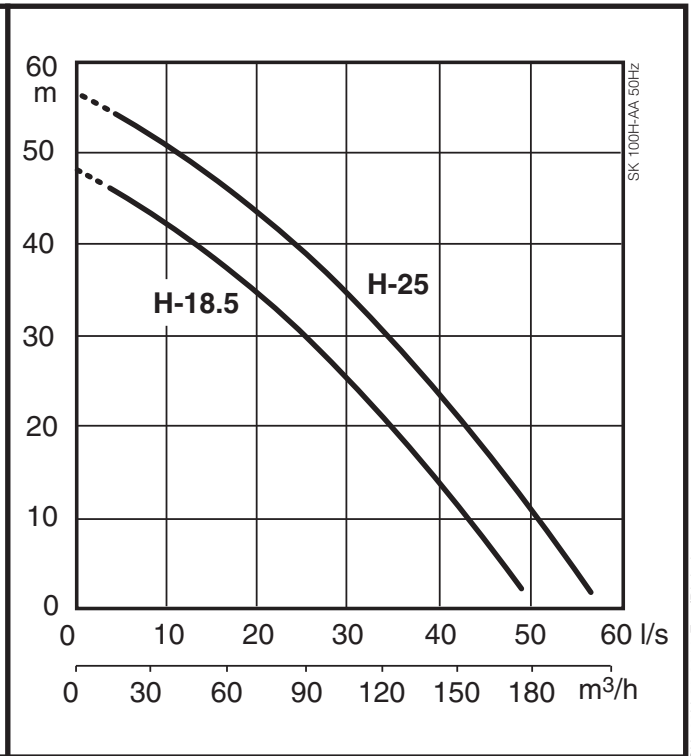
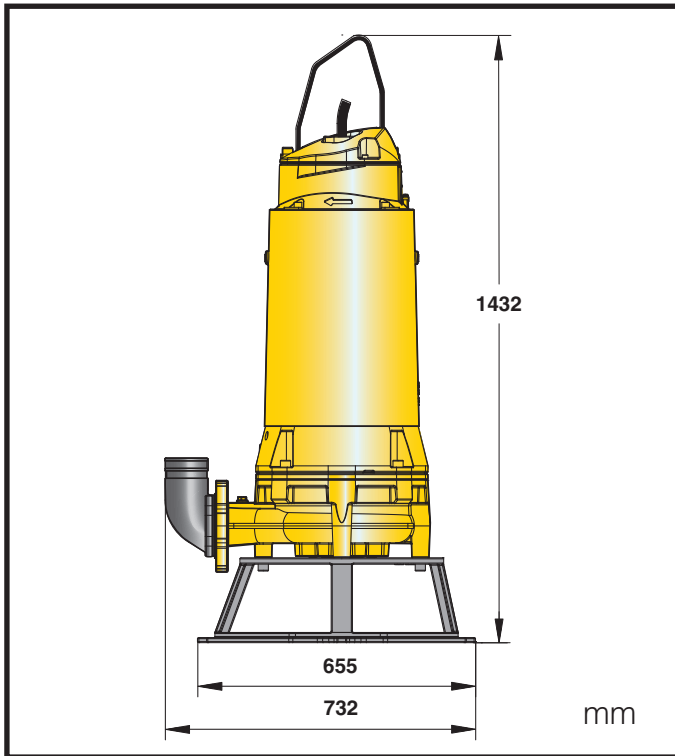


## Submersible sludge pump SK 100H



SK 100H-02-0912\_Eng/Digital  
The manufacturer reserves the right to alter performance, specifications or design without notice.

### Specification

Electric submersible sludge pump with a robust ductile iron stand and vortex hydraulic. Free passage 64 mm. Protection class IP 68. Stator insulation Class H. Explosion-proof standard II 2G Ex d IIB T4 (ATEX). Maximum submergence: 20 m.

### Pump Types

SK 100H-18.5 3-Phase  
SK 100H-25 3-Phase

### Electric Motor

Premium Efficiency, 3-phase, 2-pole, squirrel-cage induction motor, 50 Hz.

Motor rating  $P_2$ : 18.5 kW (H-18.5)  
25.0 kW (H-25)

Speed: 2930 rpm (H-18.5 and H-25)

Voltage, V	230	400	500
Nominal current, A (18.5kW)	58.6	33.7	27.0
Nominal current, A (25.0kW)	76.6	44.0	35.2

### Power Cable

Length: 20 m

Type: S1BN8-F

Size: 10G2.5 sq.mm. (H-18.5)  
2 x 4G4+2x0.75 sq.mm. (H-25)

### Motor Protection

Built-in thermal overload sensors. Leakage sensor in the dry chamber indicating presence of water.

### Cooling System

Closed cooling system using water mixed with Glycol (30%).

### Shaft Seal

Double mechanical seals.

Primary seal: Silicon carbide on silicon carbide

Secondary seal: Silicon carbide on carbon

### Bearings

Upper bearing: Single-row deep groove ball bearing

Lower bearing: Double angular contact ball bearing

### Materials

	EN	ASTM
Motor housing: Cast iron	EN-GJL-250	ASTM A48 35B / 40B
Fasteners: Stainless steel	10088:X5CrNi-Mo17-12-2 (1.4401)	AISI 316
Rotor shaft: Stainless steel	10088:X20Cr13 (1.4021)	AISI 420
Volute and impeller: Cast iron	EN-GJL-250	ASTM A48 35B / 40B
Stand: Nodular cast iron	1563 EN GJS-400-18	ASTM A 536-80: 60-40-18

### Discharge Connections

Volute DN 100, 4" hose, G 4" thread

### Weight (without cable)

387 kg (H-18.5), 398 kg (H-25)

### Options and Accessories

Starter box for DOL-start.

Automatic level control box.

Zinc anodes.

