

GRUNDFOS®

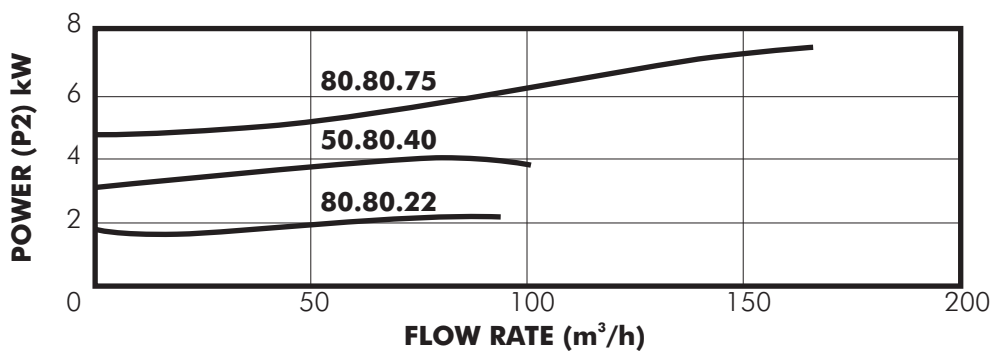
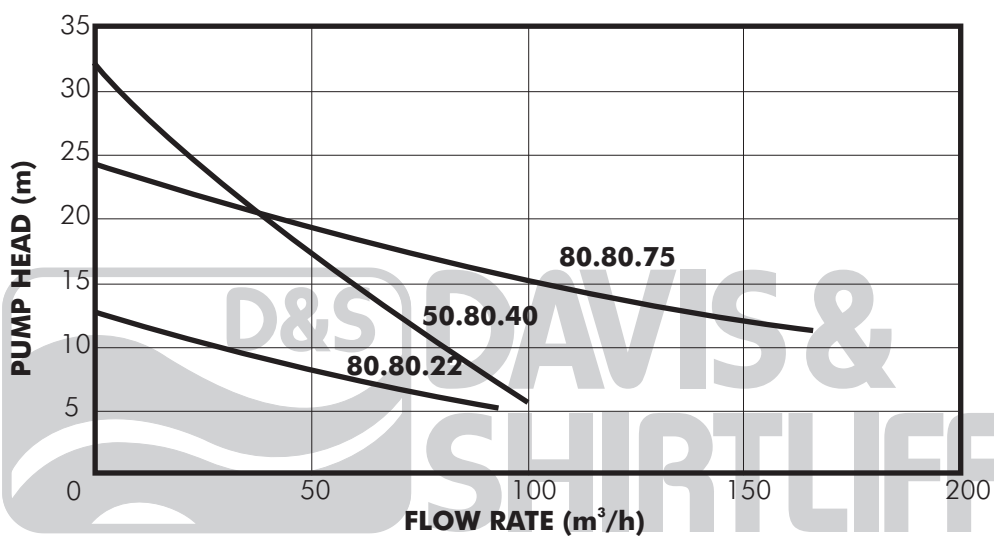
MADE IN DENMARK



DATA SHEET

Submersible Sewage Pumps

SL1



PUMP

The Grundfos SL1 pump range are high specification products for heavy duty pumping applications where reliability and ease of servicing are essential requirements. Particular uses are for pumping sewage and heavily polluted water in municipal, utility and industrial applications.

Featuring advanced technology design, the pumps utilise high efficiency long vane single channel impellers with excellent non-clogging performance and solid passing capability. Other notable features include a hermetically sealed cable entry to eliminate liquid penetration, cartridge type double mechanical seal for durability and ease of maintenance and a simple clamp coupling arrangement of the motor and pump units for easy disassembly.

The SL1 range is of unique modular design and the hydraulic end is configured for submersible auto coupling. Three basic models are stocked, though the range is extensive and different models are available to special order for specific requirements.

The pump end including impeller and pump housing are manufactured from cast iron, the stator housing from cast iron and the motor jacket from stainless steel. 10m of Neoprene rubber drop cable which incorporates wires for thermal sensors in the motor windings is supplied as standard.

MOTOR

Pumps are fitted with integral squirrel cage induction motors that must be fully submerged during operation. Remote motor starting is required using a starter type as indicated below.

Insulation Class: F

Enclosure Class: IP68

Voltage: 3x415V

Max Starts/Hr: 20

OPERATING CONDITIONS

Pumped Liquid: Heavily polluted liquids containing suspended particles up to the through let diameter of the impeller.

Max Liquid Temp: 40°C

Max Immersion Depth: 20m

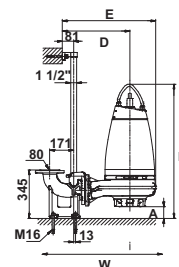
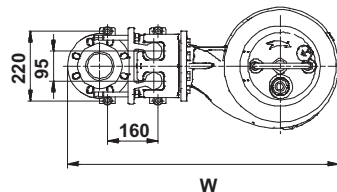
pH Range: 4 to 10

PUMP DATA

Model	Motor Size (kW)	Speed (rpm)	Max Current (A)	Start Current (A)	Starter Type	Impeller Througlet (mm)	Weight (kgs)
SL1 80.80.22	2.2	1460	5	38	DOL	80	100
SL1 50.80.40	4	2930	9	93	SD	50	123
SL1 80.80.75	7.5	1460	15	109	SD	80	205

DIMENSIONS

Model	Auto-Coupling				
	H (mm)	W (mm)	A (mm)	D (mm)	E (mm)
SL1 80.80.22	790	788	108	432	595
SL1 50.80.40	808	760	132	387	567
SL1 80.80.75	900	883	82	489	690



Auto-Coupling

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