

SQE

The Grundfos SQE is a small and compact submersible multi-stage pump. The motor of the SQE pump is a permanent magnet motor with a micro frequency converter ensuring optimum efficiency. The built-in frequency converter features protective functions and soft-starting, which reduces starting current and gives smooth and steady acceleration and dry running protection. The SQE pump is handy and user-friendly due to its low weight and 3-inch diameter.

APPLICATIONS

- Water lifting from borewell
- Water transfer from ground tank
- Submersible booster through external controller (CU301) from underground tanks and roof tanks

FEATURES

- **Excellent starting capabilities**
The soft starter minimises the risk of wear & tear on the pump and prevents overloading of the mains during start-up. Its soft start system also reduces water hammering, light flickering and other electrical disturbances
- **Over-voltage and under-voltage protection**
The integrated protection prevents damage to the motor, in case the supply voltage moves outside the permissible voltage range
- **Overload protection**
The SQE eliminates the need for external motor protection. If the pump is exposed to a heavy load the motor will automatically reduce its speed, or if the pump is blocked it automatically stops
- **Over-heating protection**
As an extra protection, the electronic unit has a built-in temperature sensor. When the temperature exceeds a critical limit, the pump is stopped and when the temperature has dropped, the pump automatically starts
- **Protection against up-thrust**
The SQE is fitted with an up-thrust bearing, protecting both pump and motor against up-thrust, thus, preventing breakdown during the critical start-up phase



TECHNICAL DATA

- **Liquid temperature** : 0 °C to 35 °C
- **Enclosure class** : IP68
- **Insulation class** : F
- **Installation depth** : Max. 150 m below static water level
- **Pump diameter** : 74 mm
- **Approvals and markings** : CE, UL, cUL-

PRODUCT RANGE

Part Code	Model	Power	
		Kw	Hp
96510071	SQE 1-35	0.7	0.95
96510141	SQE 1-50	0.7	0.95
96510142	SQE 1-65	0.7	0.95
96510143	SQE 1-80	1.15	1.56
96510144	SQE 1-95	1.15	1.56
96510145	SQE 1-110	1.15	1.56
96510146	SQE 1-125	1.55	2.11
96510147	SQE 1-140	1.55	2.11
96510148	SQE 1-155	1.85	2.52
96510150	SQE 2-35	0.7	0.95
96510151	SQE 2-55	0.7	0.95
96510152	SQE 2-70	1.15	1.56
96510153	SQE 2-85	1.15	1.56
96510154	SQE 2-100	1.55	2.11
96510155	SQE 2-115	1.85	2.52
96510156	SQE 3-30	0.7	0.95
96510157	SQE 3-40	0.7	0.95
96510158	SQE 3-55	1.15	1.56
96510159	SQE 3-65	1.15	1.56
96510160	SQE 3-80	1.55	2.11
96510161	SQE 3-95	1.55	2.11
96510162	SQE 3-105	1.85	2.52
96510163	SQE 5-15	0.7	0.95
96510164	SQE 5-25	0.7	0.95
96510165	SQE 5-35	1.15	1.56
96510166	SQE 5-50	1.55	2.11
96510167	SQE 5-60	1.55	2.11
96510168	SQE 5-70	1.85	2.52
96510169	SQE 7-15	0.7	0.95
96510170	SQE 7-30	1.15	1.56
96510171	SQE 7-40	1.55	2.11

PERFORMANCE CURVE

