



APPLICATIONS

The Grundfos SQ pumps are suitable for borehole installations, raw water supply, irrigation systems, pressure boosting, fountain and mining applications.

CONSTRUCTION FEATURES

3 inch diameter suitable for narrow boreholes. Inbuilt dry run protection. Inbuilt voltage fluctuation protection. Below 150V and 350V, pump will automatically cut off and restart when power normalizes. Floating impeller for sand handling capability of upto 50g/m³. Motor soft start design reduces starting current and allows for smooth start suitable for generator operation

Pump Liquids: Clean, thin, non-aggressive liquids without solid particles and fibre.

Liquid temperature: Maximum 40°C with a flow velocity past motor of min. 0.15m/s

Max. Operating pressure: 150m

TECHNICAL DATA

Pump Type	Motor Type	Input power motor (P1) [kW]	Output power motor (P2) [kW]	Rated Current I1/I1 [A]		Dimensions [mm]		Rated motor efficiency (η) [%]	Net Weight [kg]
				230V	200V	A	B		
SQ 2-35	MS 3 (-NE)	0.71	0.70	3.0	3.6	741	265	70	4.7
SQ 2-85	MS 3 (-NE)	1.55	1.15	6.8	7.9	825	346	73	5.5
SQ 2-115	MS 3 (-NE)	2.11	1.85	9.3	10.6	888	373	74	6.3
SQ 3-30	MS 3 (-NE)	0.70	0.70	3.0	3.6	741	265	70	4.8
SQ 3-65	MS 3 (-NE)	1.52	1.15	6.7	7.8	825	346	73	6.1
SQ 3-105	MS 3 (-NE)	2.33	1.85	10.3	11.7	942	427	74	6.5
SQ 5-25	MS 3 (-NE)	0.92	0.70	3.9	4.7	743	265	70	4.8
SQ 5-50	MS 3 (-NE)	1.7	1.68	7.3	8.7	860	346	74	6.1
SQ 5-70	MS 3 (-NE)	2.43	1.85	10.7	12	941	427	74	6.4
SQ 7-30	MS 3 (-NE)	1.26	1.15	5.5	6.4	743	265	73	5.2
SQ 7-40	MS 3 (-NE)	1.81	1.68	7.8	9.3	860	346	74	6.1

