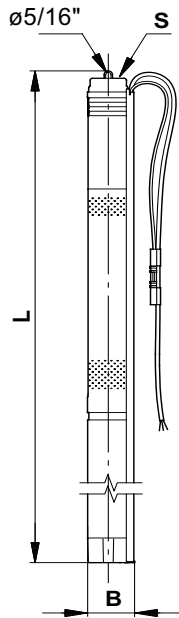


Technical data

Dimensions and weights



TM02 2209 3901

Pump type	Dimensions [in]			Net weight [lb]★	Gross weight [lb]★	Shipping volume [ft ³]★
	L	B	S			
3 SQF-2	47 *	2.9	1" NPT	17	21	0.85
3 SQF-3	49 *	2.9	1" NPT	17.5	21	0.85
6 SQF-2	48 *	2.9	1" NPT	17.5	21	0.85
6 SQF-3	51	2.9	1" NPT	1.8	2.2	0.85
11 SQF-2	49 *	2.9	1 1/4" NPT	18	22	0.85
16 SQF-10	38	3.9	1 1/4" NPT	21	24	1.00
25 SQF-3	32	3.9	1 1/2" NPT	18	21	1.00
25 SQF-7	35	3.9	1 1/2" NPT	19.5	23	1.00
40 SQF-3	36	3.9	2" NPT	21	24	1.00
40 SQF-5	40	3.9	2" NPT	23	26.5	1.00
60 SQF-3	39	3.9	2" NPT	24	27	1.00

★ Pump complete

Electrical data

30-300 VDC or 1 x 90-240 VAC, 50/60 Hz

Pump type	Motor type	Max. power input P ₁ [W]	Max. current [A]
3 SQF-2	MSF 3	900	8.4
3 SQF-3	MSF 3	900	8.4
6 SQF-2	MSF 3	900	8.4
6 SQF-3	MSF 3	900	8.4
11 SQF-2	MSF 3	900	8.4
16 SQF-10	MSF 3	1400	8.4
25 SQF-3	MSF 3	1400	8.4
25 SQF-7	MSF 3	1400	8.4
40 SQF-3	MSF 3	1400	8.4
40 SQF-5	MSF 3	1400	8.4
60 SQF-3	MSF 3	1400	8.4

Technical data

SQF pump

Power supply to pump	30-300 VDC, PE. 1 x 90-240 V -10%/+6%, 50/60 Hz, PE.
Run-up time	Depends on the energy source.
Start/stop	No limitation to the number of starts/stops per hour.
Enclosure class	IP 68.
Motor protection	Built into the pump. Protection against <ul style="list-style-type: none"> • dry running by means of a water level electrode • overvoltage and undervoltage • overload • overtemperature.
Conductivity	≥ 70 μs/cm (micro siemens).
Sound pressure level	The sound pressure level of the pump is lower than the limiting values stated in the EC Machinery Directive.
Radio noise	The SQF complies with the EMC Directive 89/336/EEC. Approved according to the standards EN 61000-6-2 and EN 61000-6-3.
Reset function	The SQF can be reset via the CU 200 or by disconnecting the power supply for 1 minute.
Power factor	PF = 1.
Operation via generator	Voltage: 230 VAC -10%/+6%. The generator output must be <ul style="list-style-type: none"> • minimum 1000 W (helical rotor pumps) • minimum 1500 W (centrifugal pumps).
Earth-leakage circuit breaker	If the pump is connected to an electric installation where an earth-leakage circuit breaker (ELCB) is used as an additional protection, this circuit breaker must trip out when earth fault currents with DC content (pulsating DC) occur.
Borehole diameter	3 SQF, 6 SQF, 11 SQF: Minimum: 3 in. 16 SQF, 25 SQF, 40 SQF, 60 SQF: Minimum: 4 in.
Installation depth	Minimum: The pump must be completely submerged in the pumped liquid. Maximum: 500 ft below the static water table (220 psi).
Suction strainer	Holes of the suction strainer: 3 SQF, 6 SQF, 11 SQF: ø0.090 in. 16 SQF, 25 SQF: ø0.10 in. 40 SQF, 60 SQF: 0.16 in x 0.80 in.
Pumped liquids	pH 5 to 9. Sand content up to 50 ppm.
Marking	CE.

CU 200 SQFlex control unit

Voltage	30-300 VDC, 8.4 A. 90-240 VAC, 8.4 A.
Power consumption	5 W.
Current consumption	Maximum 130 mA.
Pump cable	Maximum length between the CU 200 and the pump: 650 ft. Maximum length between the CU 200 and the level switch: 2000 ft.
Back-up fuse	Maximum 10 A.
Radio noise	The CU 200 complies with the EMC Directive 89/336/EEC. Approved according to the standards EN 55014 and 55014-2.
Relative air humidity	95%.
Enclosure class	IP 55.
Ambient temperature	During operation: -22 °F to +122 °F. During storage: -22 °F to +140 °F.
Marking	CE.
Weight	4.5 lb.