

Quiet-running single-stage centrifugal pump, self-priming, complete with pre-filter

Applications

Recirculation and filtering of water from small and medium swimming pools.

Materials

Pump body, pump foot, impeller, seal mounting and diffuser in technopolymer.

Motor shaft in stainless steel AISI 431.

Special mechanical seal in AISI 316.

Motor housing in aluminium.

O-rings in NBR.

Bearings up to 160° C

Motor

Asynchronous, two poles.

IP 55 protection.

Class F insulation.

Continuous operation.

Single-phase version with built-in thermal protection.

10.000 hours P2 capacitor with aluminium casing.

Equipment

Supplied with suction and discharge unions (metric 50 mm or Imperial 1^{1/2}").



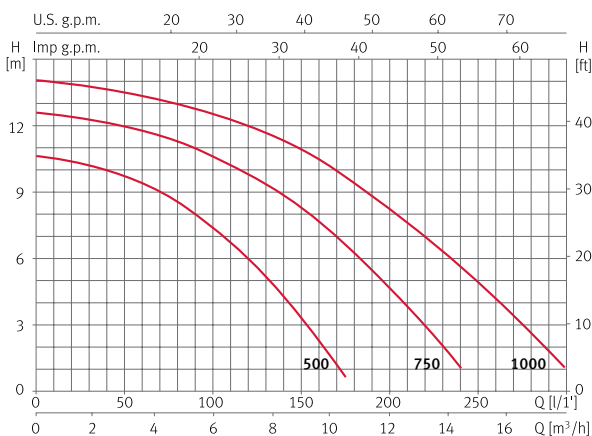
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Hydraulic performance table

| Model | I [A] | P1 [kW] | P2 | | c [μF] | * Pool volume [m³] | l/min | 25 | 50 | 75 | 100 | 150 | 200 | 250 | 290 | 1~230 V (model M) |
|-----------------|---------|---------|------|------|--------|--------------------|-------|------|------|------|------|------|-----|-----|-----|-------------------|
| | 1~230 V | 1~230 V | [kW] | [HP] | | | | m³/h | 1,5 | 3,0 | 4,5 | 6,0 | 9,0 | 12 | 15 | 17,4 |
| SILEN I 33 8M | 2 | 0,45 | 0,25 | 0,33 | 12 | 65 | mca | 10,2 | 9,7 | 8,6 | 7,2 | 3,2 | | | | 203144 |
| SILEN I 50 12M | 2,8 | 0,65 | 0,37 | 0,5 | 12 | 75 | | 12,3 | 11,9 | 11,3 | 10,5 | 8,1 | 4,6 | | | 203145 |
| SILEN I 100 15M | 3,8 | 0,85 | 0,75 | 1 | 12 | 85 | | 13,8 | 13,3 | 13 | 12,5 | 10,8 | 8,1 | 4,8 | 1,8 | 203146 |

(* Swimming pool volume (m³): Considering water circulation of 8 hours/day.

Performance curves at 2900 rpm



Dimensions and weights

| Model | A | B | C | D | E | F | G | H | I | J | K | L | Kg |
|-----------------|-------|-------|-----|-----|-----|--------|-----|--------|-----|----|-----|------|------|
| SILEN I 33 8M | 438,5 | 191,5 | 115 | 304 | 210 | 2 1/4" | 221 | 2 1/4" | 264 | Ø9 | 108 | Ø212 | 8,9 |
| SILEN I 50 12M | 438,5 | 191,5 | 115 | 304 | 210 | 2 1/4" | 221 | 2 1/4" | 264 | Ø9 | 108 | Ø212 | 10,2 |
| SILEN I 100 15M | 438,5 | 191,5 | 115 | 304 | 210 | 2 1/4" | 221 | 2 1/4" | 264 | Ø9 | 108 | Ø212 | 10,9 |

