

## Centrifugal single stage pump for water recirculation and filtration

### Applications

Water recirculation and filtration for small swimming pools.  
Silent.  
Self-priming up to 4m.

### Materials

Pump body, impeller, diffuser, suction and discharge in technopolymer.  
Pump shaft in AISI 431.  
Mechanical seal.  
Motor casing in aluminium.  
O-rings in NBR.

### Equipment

No cable.  
Unions included (50mm).

### Motor

Asynchronous 2 poles.  
IPX5 protection.  
Class F insulation.  
Built-in thermal protection.  
Continuous operation.

### Limitations

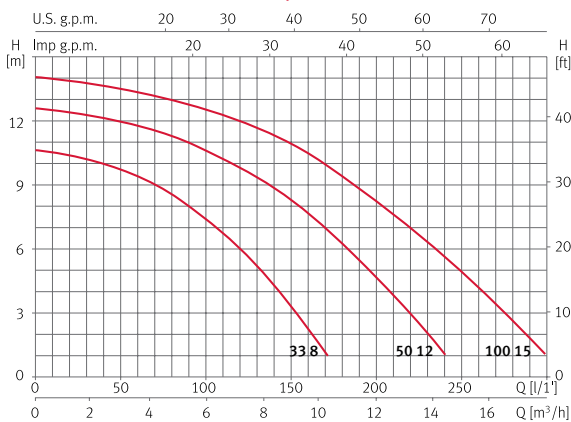
Maximum water temperature: 40° C.



### Hydraulic performance table

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

### Performance curve at 2900 rpm



### Dimension and weight

| Model       | A   | B   | C   | D   | E   | F      | G   | H      | I   | J  | K   | L   | Kg   |
|-------------|-----|-----|-----|-----|-----|--------|-----|--------|-----|----|-----|-----|------|
| Silen I 33  | 439 | 192 | 115 | 304 | 210 | 2 1/4" | 221 | 2 1/4" | 264 | Ø9 | 108 | 212 | 8,9  |
| Silen I 50  | 439 | 192 | 115 | 304 | 210 | 2 1/4" | 221 | 2 1/4" | 264 | Ø9 | 108 | 212 | 10,2 |
| Silen I 100 | 439 | 192 | 115 | 304 | 210 | 2 1/4" | 221 | 2 1/4" | 264 | Ø9 | 108 | 212 | 10,9 |

