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SWIMMING POOL PUMPS

Efficient pumping for domestic, residential and commercial use

Innovation, engineering and service are the attributes that define ESPA products to achieve an **efficient pumping and offer a quality service oriented to the customer**. The creative capacity of the organization is deployed through a demanding process of product development based on knowledge of technological and market needs.

Since 1962, ESPA has been developing a specialized trajectory in the manufacturing of products and equipment for pumping and efficient water management, deploying a range of innovative products and an industrial and commercial organization at the service of professionals, installers and wholesalers. With this experience, **ESPA stands as a reference in the manufacturing of pumping equipment for domestic, residential and commercial uses**.

ESPA product portfolio provides value for its innovative nature and development engineering that offers the appropriate solutions to the most demanding needs of the national and international markets. Thanks to its operational and distributive deployment, ESPA has commercial organizations in Germany, Argentina, Brazil, Chile, China, Spain, France, Hong Kong, India, Italy, the Middle East, the United Kingdom, Russia and Turkey. And it has production plants in Spain, France and Chile.

ESPA Efficient Engineering summarizes the innovative spirit, focused on the study and application of the most appropriate technologies that are added to the concept of efficient pumping and an engineering that every day works for the development of efficient equipment.

Silen I Swimming pool pumps

Centrifugal single stage pump for water recirculation and filtration

Applications

Water recirculation and filtration for small swimming pools.
Silent.
Self-priming up to 13 ft.

Motor

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

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.

Limitations

Maximum water temperature: 104° F.

Equipment

Optional cord and plug.
1^{1/2}" unions included.



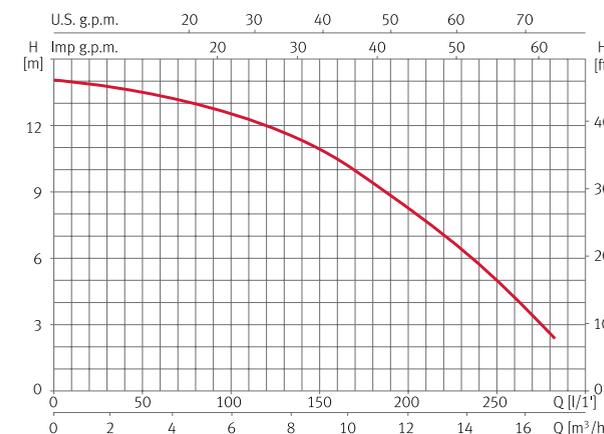
Barb fittings also included



Hydraulic performance table

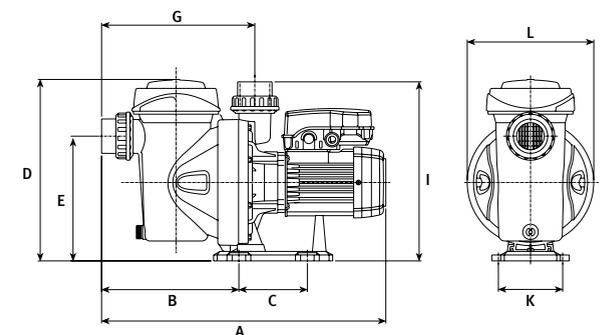
Model	I [A]	P1 [kW]	c [µF]	Total Head in Feet	10	20	30	40	45	Code
	1~115V	1~								1~115V
Silen I 150	7	0.85	30	GPM [GPH]	72 [4,320]	62 [3,720]	49 [2,940]	30 [1,800]	4 [240]	208499

Performance curve at 3450 rpm



Dimension and weight

Model	A [m]	B	C	D	E	G	I	K	L	LBS
Silen I 150	17.3	7.6	4.5	12	8.3	8.7	10.4	4.3	8.3	20



Silen S Swimming pool pumps

Centrifugal single stage pump for water recirculation and filtration

Applications

Water recirculation and filtration for medium swimming pools.
Silent.
Self-priming up to 13 ft.

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

Optional cord and plug.
1^{1/2}" unions included.

Motor

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

Limitations

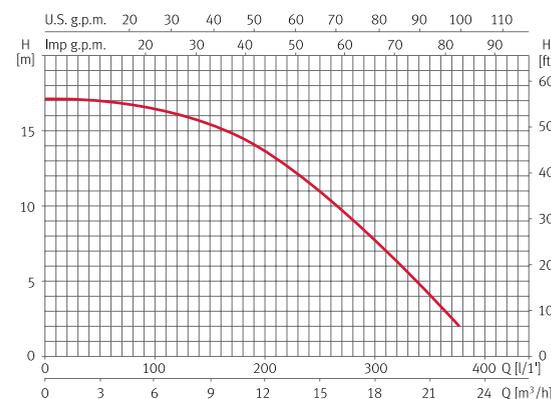
Maximum water temperature: 104° F.



Hydraulic performance table

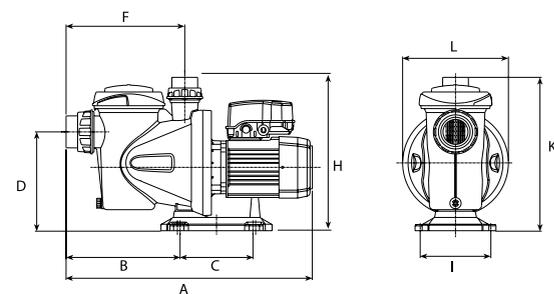
Model	I [A]	P1 [kW]	c [µF]	Total Head in Feet	10	20	30	40	50	Code
	1~115V	1~			GPM [GPH]					
Silen S 150	12.8	1.3	30	GPM [GPH]	95 [5,700]	85 [5,100]	73 [4,380]	59 [3,540]	41 [2,460]	208500

Performance curve at 3450 rpm



Dimension and weight

Model	A [m]	B	C	D	F	H	I	K	L	LBS
Silen S 150	19.5	8.3	6.7	8.9	8.9	12.1	6.3	12.6	9.4	26



5

Silen S2 Swimming pool pumps

Centrifugal single stage pump for water recirculation and filtration

Applications

Water recirculation and filtration for large swimming pools.
Silent.
Self-priming up to 13 ft.

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 cord.
2" unions included.

Motor

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

Limitations

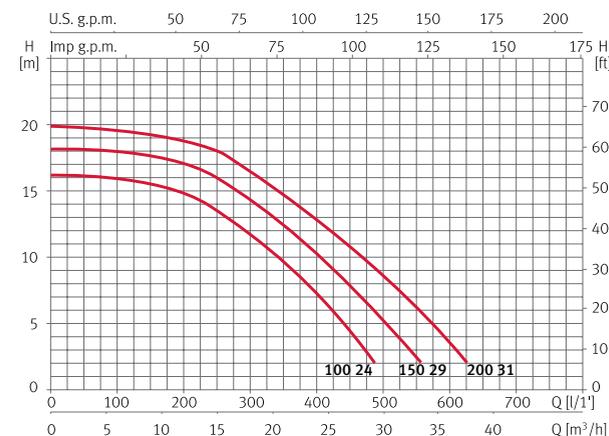
Maximum water temperature: 104° F.



Hydraulic performance table

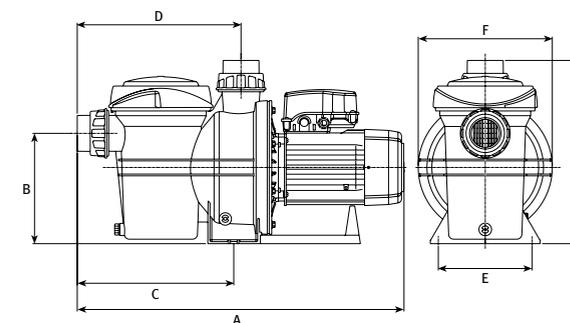
Model	I [A]	P1 [kW]	P2		c [µF]	Total Head in Feet	10	20	30	40	50	Code
	1~230V	1~	[kW]	[HP]			GPM [GPH]					
Silen S2 100 24	7.1	1.5	0.75	1	25	GPM [GPH]	125 [7,500]	111 [6,660]	96 [5,760]	75 [4,500]	46 [2,760]	208501
Silen S2 150 29	8.7	1.9	1.1	1.5	25		141 [8,460]	126 [7,560]	112 [6,720]	94 [5,640]	72 [4,320]	208502
Silen S2 200 31	10.5	2.2	1.5	2	30		161 [9,660]	145 [8,700]	128 [7,680]	109 [6,540]	88 [5,280]	208503

Performance curve at 3450 rpm



Dimension and weight

Model	A [m]	B	C	D	E	F	I	LBS
Silen S2 100 24	24.6	8.7	10.7	11.2	7.4	10.6	12.9	35
Silen S2 150 29	24.6	8.7	10.7	11.2	7.4	10.6	12.9	39
Silen S2 200 31	24.6	8.7	10.7	11.2	7.4	10.6	12.9	44



Silenplus Swimming pool pumps

Centrifugal single stage pump with variable speed for water recirculation and filtration

Applications

Water recirculation and filtration for medium and large swimming pools.
Silent.
Self-priming up to 13 ft.

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

Control System included.
5 ft cord.
Silenplus 1 with 1 1/2" unions included.
Silenplus 2/3 with 2" unions included.

Motor

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

Limitations

Maximum water temperature: 104° F.

Operation

Automatic variation of the speed to adapt to the swimming pool working cycles.

Control System

Device that transmits the valve's position to the pump so that it activates the working cycle according to the valve's position.



Silenplus 1



Silenplus 2 and 3

evopool®

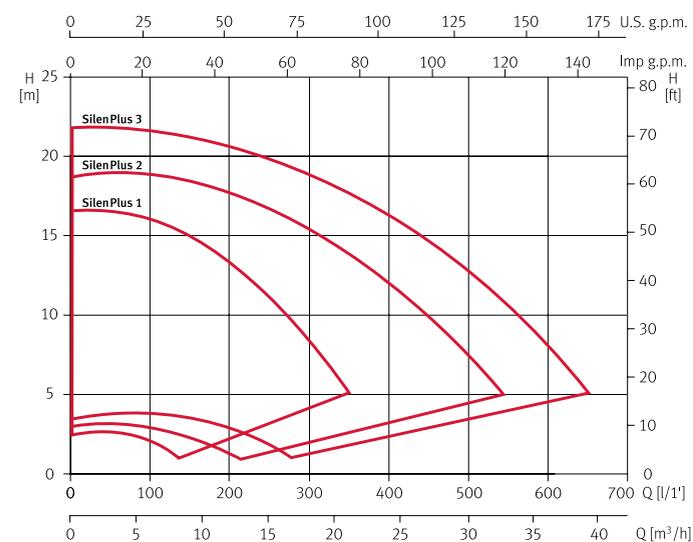


ESPA
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Silenplus Swimming pool pumps

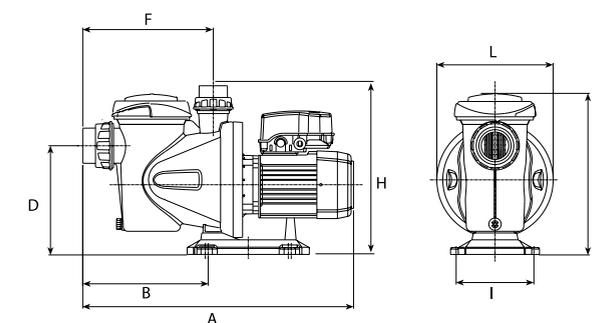
Performance curve



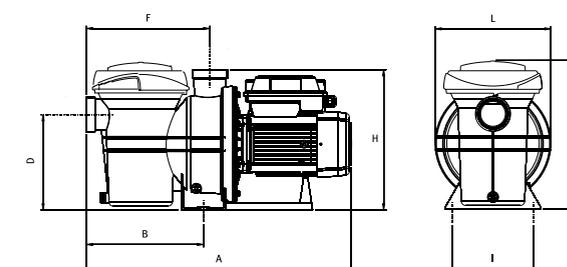
Dimension and weight

Model	A [in]	B	D	F	H	I	K	L	LBS
Silenplus 1	19.5	8.3	8.9	8.9	12.1	6.3	12.6	9.4	26
Silenplus 2	24.6	10.7	8.7	11.2	12.8	7.4	13.1	10.6	40
Silenplus 3	24.6	10.7	8.7	11.2	12.8	7.4	14.5	10.6	50

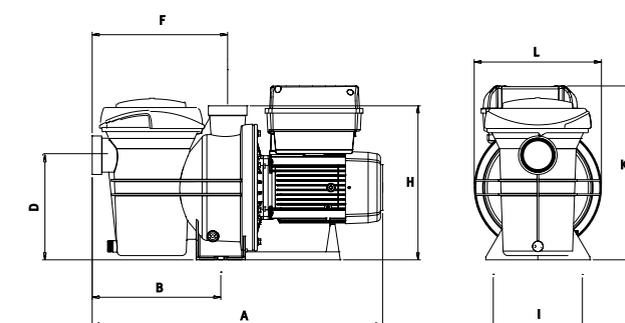
Silenplus 1



Silenplus 2



Silenplus 3



Hydraulic performance table

Model	Working cycle evopool®	I [A]	P1 [kW]	P2		Total Head in Feet	10	20	30	40	50	Code
		1~230V	1~	[kW]	[HP]							
Silenplus 1	Maximum	8	1.1	0.75	1	GPM [GPH]	95 [5,700]	85 [5,100]	73 [4,380]	59 [3,540]	41 [2,460]	208504
	Filtration Plus	1	0.1									
Silenplus 2	Maximum	10	2.2	1.5	2	Maximum speed	161 [9,660]	145 [8,700]	128 [7,680]	109 [6,540]	88 [5,280]	208505
	Filtration Plus	1.2	0.17									
Silenplus 3	Maximum	14.8	2.6	2.2	3	Maximum speed	179 [10,740]	165 [9,900]	151 [9,060]	136 [8,160]	114 [6,840]	208506
	Filtration Plus	1.6	0.2									