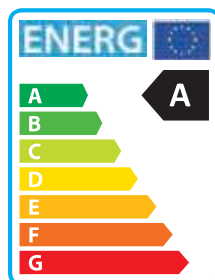


Energy-saving Speroni SCORE 40 - SCORE 60 electronic circulation pumps for central heating

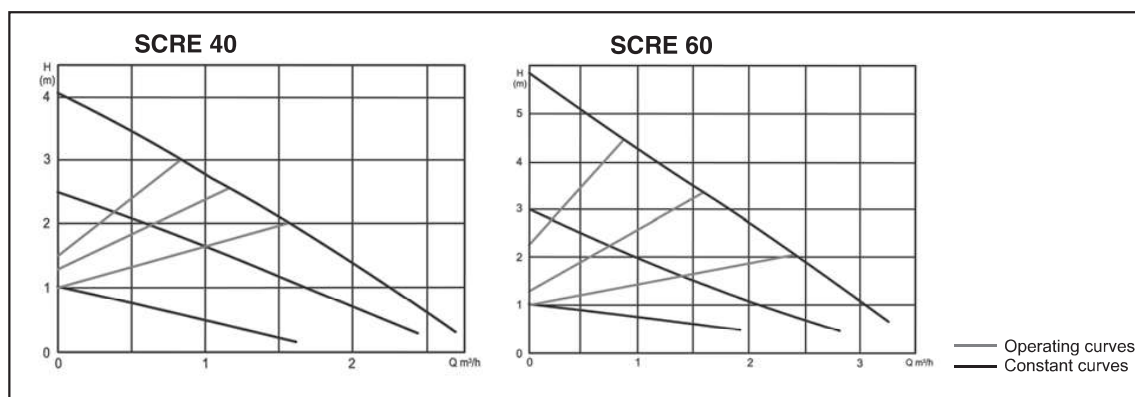
Along with the series Delta plus we have achieved a circulation pump which is classified in energy efficiency class "A". Using a Speroni pump instead of a conventional circulation pump helps to reduce energy consumption up to 80%, while keeping the hydraulic power at a comparable level. The "One touch" option allows you to choose from six different performance curves.



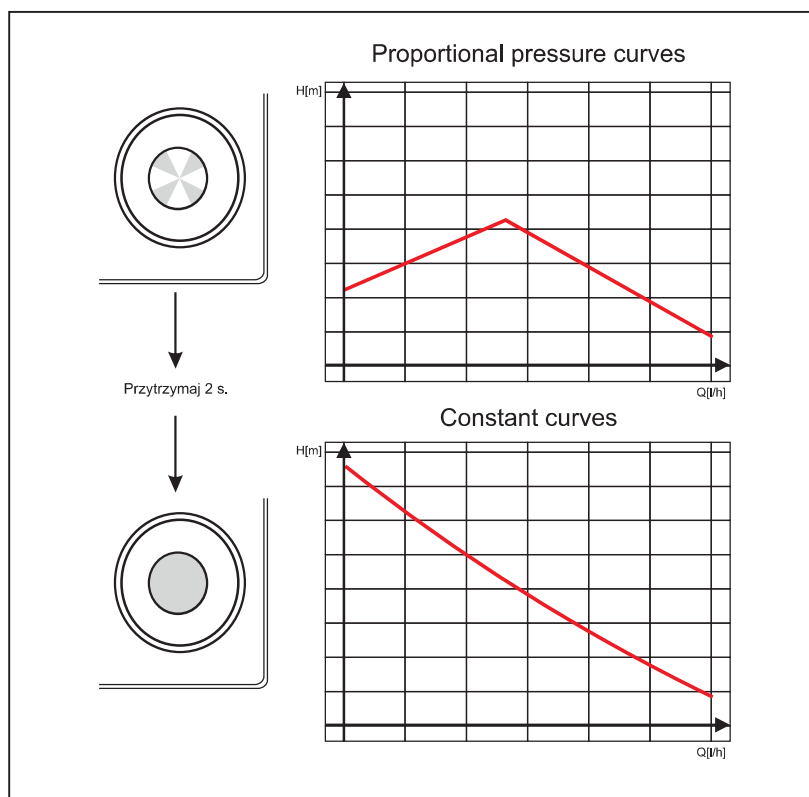
Technical data

	SCORE 40	SCORE 60
max. lifting height:	4.0	6.0
max. flow:	2600 l/h	3200 l/h
power consumption (W):	3-23	3-38
electronically regulated power:	adjusted to the actual energy demand of the installation	
operating voltage:	1x230V, 50 Hz	
motor protection:	external protection is not required	
protection type:	IP 44	
insulation class:	F	
ambient temperature:	0°C to 40°C	
media temperature:	5°C to 95°C	
temperature class:	TF 95	
max. operating pressure:	10 bar	
connection:	DN15, DN20, DN25, DN32	
installation length:	130 mm, 180 mm	
weight:	about 2.40 kg	

pumps performance curves



Performance curve models

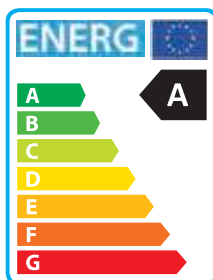


SCRE

Article	Pump body	Length (mm)	DN	External thread	H(m)	Power consumption (W)
SCRE 25/40-180	Cast iron	180	25	G 1 1/2 "	4	3-23
SCRE 32/40-180	Cast iron	180	32	G 2"	4	3-23
SCRE 25/60-180	Cast iron	180	25	G 1 1/2"	6	3-38
SCRE 32/60-180	Cast iron	180	32	G 2"	6	3-38

Energy-saving Speroni SCRE PLUS 40 - SCRE PLUS 60 electronic circulation pumps for central heating

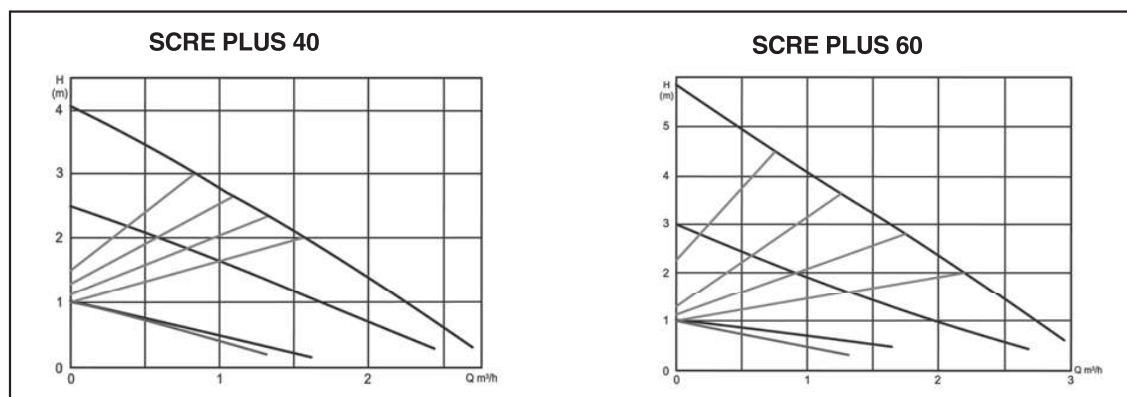
Along with the series Delta HE we have achieved a circulation pump which is classified in energy efficiency class "A". Using a Speroni pump instead of a conventional circulation pump helps to reduce energy consumption up to 80%, while keeping the hydraulic power at a comparable level. The "One touch" option allows you to choose from seven different performance curves.



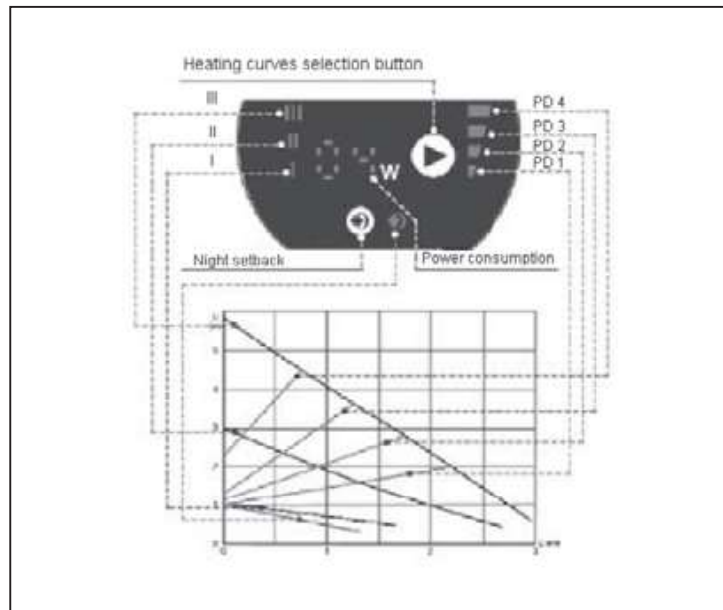
Technical data

	SCRE PLUS 40	SCRE PLUS 60
max. lifting height:	4.0 m	6.0 m
max. flow:	2600 l/h	3200 l/h
power consumption (W):	3-23	3-38
electronically regulated power:	adjusted to the actual energy demand of the installation	
operating voltage:	1x230V, 50 Hz	
motor protection:	external protection is not required	
protection type:	IP 44	
insulation class:	F	
ambient temperature:	0°C to 40°C	
media temperature:	5°C to 95°C	
temperature class:	TF 95	
max. operating pressure:	10 bar	
connection:	DN15, DN20, DN25, DN32	
installation length:	130 mm, 180 mm	
weight:	about 2.40 kg	

pumps performance curves



Display settings



The display



The display is lit when pump is plugged in. The LED display shows the current power consumption.

Faults are shown on the display as "E1", "E2" or "E3" errors. When the night setback function is activated and the pump is switching to this mode, then the "-C" symbol appears on the display.

Curve selection button



By pressing the button pump settings change. Pressing the button seven times causes to select one by one all the options and then return to the first one.

Display	Description
I	constant rotation speed I
II	constant rotation speed II
III	constant rotation speed III
PD1	low curve of proportional pressure
PD2	second curve of proportional pressure
PD3	third curve of proportional pressure
PD4	high curve of proportional pressure

Night setback button



Pressing the button activates the automatic night setback function, which is also shown on the display. Pressing and holding the button for 5 seconds activates the function permanently, and therefore "-C" appears on the display. Pressing the button again deactivates the function.

SCRE PLUS

Pump settings

Regulation of proportional pressure

When operating the pump adjusts to the settings of proportional pressure. Whereas differential pressure is controlled by the pump, depending on the current of the flow.

Lines (characteristics) of proportional pressure are denoted with PD1 to PD4 symbols on corresponding Q/H graphs.

Constant rotation speed control

Lines (characteristics) of constant speed rotation are denoted with I to III symbols on the Q/H graph. This type of control allows the pump to maintain constant rotation speed.

Automatic night setback

The requirements for night setback temperature reduction



In no case the night setback function should be activated in pumps built in gas fired boilers with a small amount of water.

Tip

If the heating device does not impart enough heat to the radiators, check whether the automatic night setback function is not activated. If this is the case, the function should be deactivated.

In order to guarantee proper functioning of the night setback function, the following conditions must be met:

1. The pump must be mounted on the water inlet.
2. The heating device has to be equipped with an automatic supply temperature control.

How night setback function works

In order to activate the night setback function press  button. When the display lits, it means the function is activated and the pump is switching automatically from the standard mode to the night setback function. The switchover depends on the water supply temperature. The pump switches automatically to the night setback mode, if the water supply temperature drops more than 10° - 15°C within an hour. Consequently, the "-C" symbol appears on the display. The pump immediately switches to the standard mode when the water supply temperature increases 3°C.

Night setback

The function can be activated permanently. After activating the night setback function the  button has to be pressed during 5 seconds.

The "-C" symbol displays after releasing the button. Until the button is pressed again, the pump will remain in the chosen mode.

SCRE PLUS

Article	Pump body	Length (mm)	DN	External thread	H(m)	Power consumption (W)
SCRE PLUS 25/40-180	Cast iron	180	25	G 1 1/2 "	4	3-23
SCRE PLUS 32/40-180	Cast iron	180	32	G 2"	4	3-23
SCRE PLUS 25/60-180	Cast iron	180	25	G 1 1/2"	6	3-38