



SimFlex A ErP Compliant pumps are self regulating and automatically adjust to cope with system changes. No extra modules are needed as the control systems signal inputs are integral to the pumps



A SimFlex A

SimFlex A

In order to meet the increased requirements for energy conservation and reduction of CO emissions, the self-regulating SimFlex pump range has been further enhanced with an entirely new permanent magnet motor technology allowing operation at low RPM.

Integrated Control Signals

All signals are integrated - no extra modules are necessary. The new SimFlex A models are supplied as standard with the most common forms of control such as, 0-10 volt, start-stop signal, and alarm contacts.

Motors with low rpm

The construction of the new SimFlex A pumps is based upon Smedegaards' 60 years of experience in the manufacture of low RPM circulators, which ensures longer operational life, quieter operation and low energy consumption.

The new motor and inverter technology ensures the rapid adjustment of the pump duty which, in turn, provides extra energy savings.

Simple operation

All programming and adjustments are done using the blue control dial situated on the terminal box. No complicated programming is required.

Quality Standard - 3 year warranty

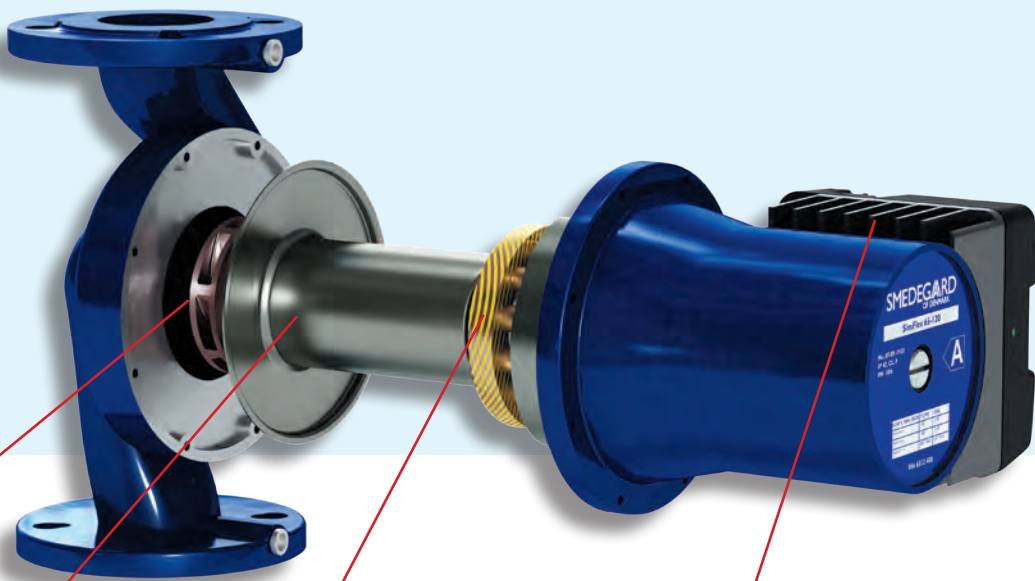
Parts inside the pump are, including the shaft, stainless steel with high quality carbon bearings which reduce noise and vibration, thereby ensuring longevity. The development of the pump and motor has taken place at our head office in Glostrup, Denmark, with production of the pumps being in our own factory, which is located in Switzerland. Each pump including the electronic inverter is fully tested before leaving the factory.

Energy Saving

With the new SimFlex A pump energy savings of up to 80% are possible compared to a standard fixed speed pump. This helps to ensure a relatively quick return on the investment.

MODBUS Interface

The industry standard MODBUS Interface is available for the new SimFlex A Range. The MODBUS Interface supports control of differential pressure, direct speed control and can be used to switch back to manual/external control via the usual interfaces supplied with the SimFlex A Range. In addition to MODBUS, the pumps can with an optional translation box, also communicate via LON



The Pump casing and impeller are optimised to use less energy

Smedegaards unique TUT seal combined with stainless steel components ensures minimum contamination of the rotating parts

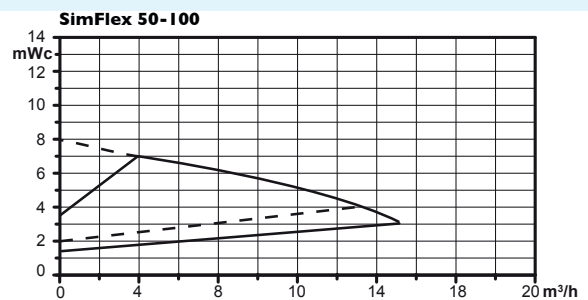
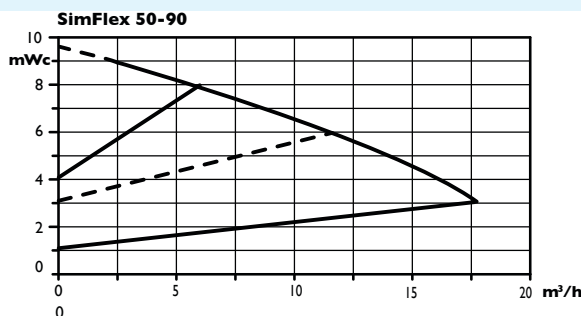
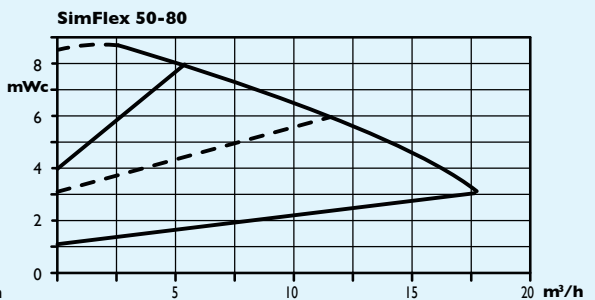
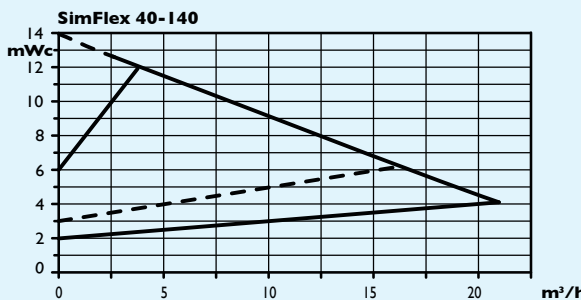
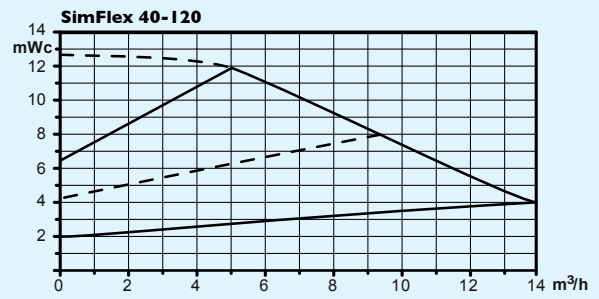
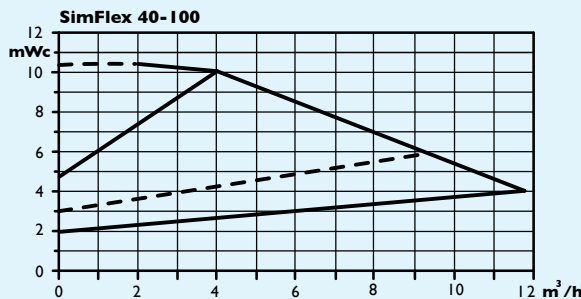
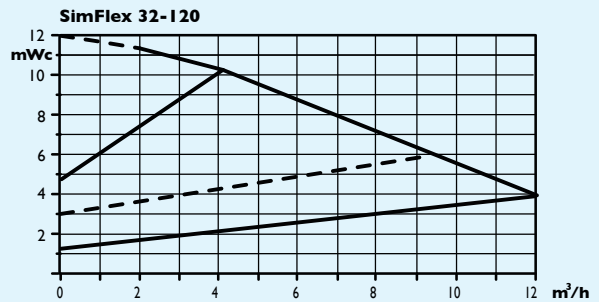
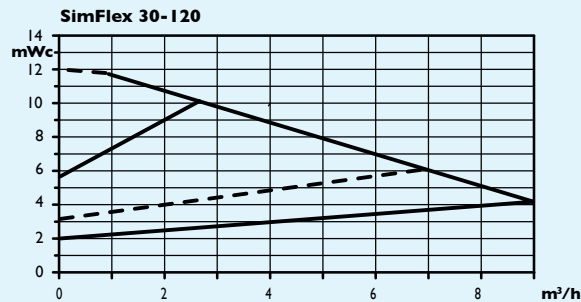
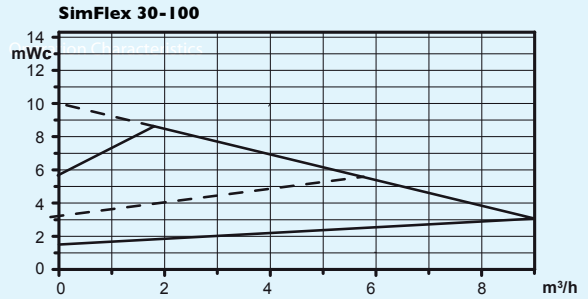
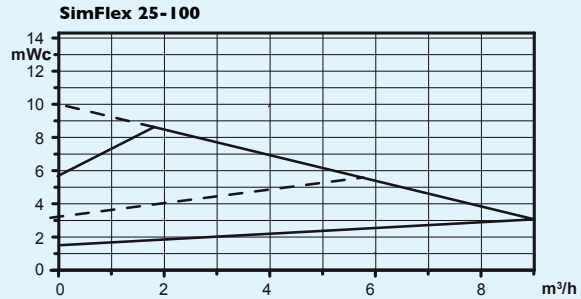
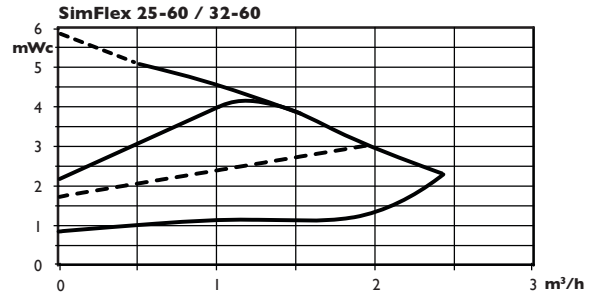
Slow-revolving permanent magnet motors ensure a long life and quiet operation

Electrical connections are made much easier with the provision of a loose plug-in connector

Fast and precise automatic capacity adjustments in response to changing operational conditions give increased energy savings

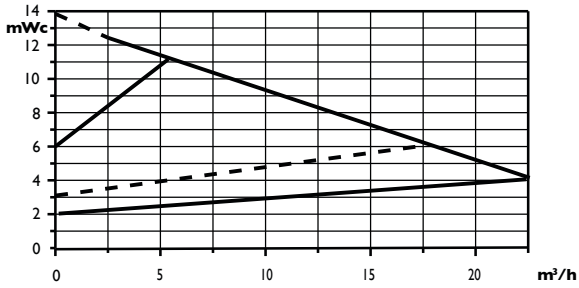
Alarm contacts 0-10V and Start-Stop signal communications are standard

Performance Curves*

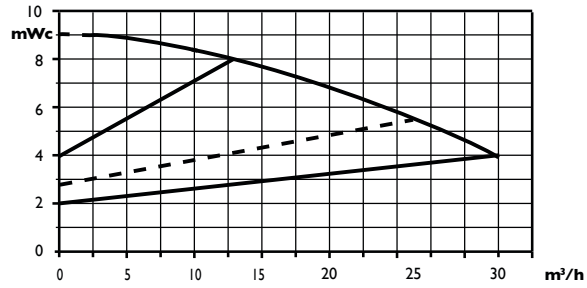


Performance Curves*

SimFlex 50-140



SimFlex 65-90



Technical Data Table

Model	Port to Port (mm)	Power flexibility Min - Max (Watt)	Product No.
Single Pumps			
SimFlex 25-40**	130	4.0-23.5	0222540400
SimFlex 25-60**	130	4.0-47.4	0222560400
SimFlex 25-40**	180	4.0-23.5	0022540400
SimFlex 25-60**	180	4.0-47.4	0022560400
SimFlex 25-100	180	22-250	
SimFlex 32-40**	180	4.0-23.5	0033240400
SimFlex 32-60**	180	4.0-47.4	0033260400
SimFlex 30-100	180	22-250	0033010400
SimFlex 30-120	180	30-340	0033012400
SimFlex 32-120**	220	75-350	0033212400
SimFlex 40-100**	250	30-350	0044010400
SimFlex 40-120	250	27-450	0044012400
SimFlex 40-140**	250	60-700	0044014400
SimFlex 50-80	300	27-345	0055080400
SimFlex 50-90	280	75-350	0055090400
SimFlex 50-100	280	30-290	0055010400
SimFlex 50-140**	280	60-700	0055014400
SimFlex 65-90	340	60-700	0066590400
SimFlex 65-120**	340	100-1400	0066512400
SimFlex 80-120	360	150-1400	0088012400
Twin Pumps			
SimFlex 32-120D	220	75-350	0633212400
SimFlex 40-100D	250	30-350	0644010400
SimFlex 40-120D	250	27-450	0644012400
SimFlex 40-140D	250	60-700	0644014400
SimFlex 50-140D	280	60-700	0655014400
SimFlex 65-120D	340	100-1400	0666512400
SimFlex 80-120D	360	150-1400	0688012400

All SimFlex A are suitable for single phase 230-1-50 power supply.

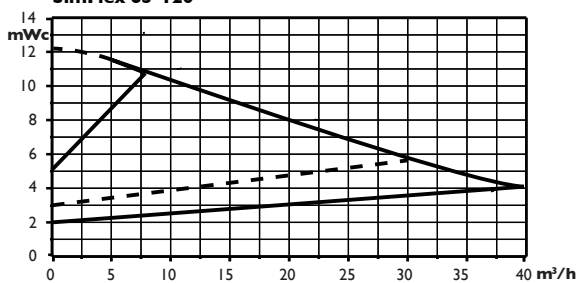
*For twin pumps the capacity curves are indicative only. For specific outputs refer to the capacity curves in the individual data sheets.

**Bronze versions available April 2011

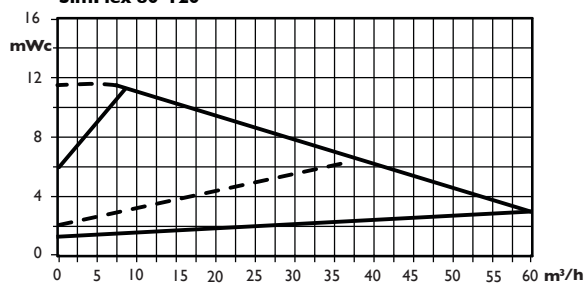


Performance Curves*

SimFlex 65-120



SimFlex 80-120



Pump Interchange Table

Single Pumps

Smedegaard SimFlex A	Smedegaard EV	Grundfos Magna/ Alpha	Grundfos UPS
SimFlex 25-40	EV 2-65, Vario 25, EV 2-75-4	Alpha 2 25-40	UPS 25-40
SimFlex 25-40	EV 2-65, Vario 25, EV 2-75-4	Alpha 2 15-50	UPS 15-50
SimFlex 25-60	EV 2-70, Vario 75, EV 2-75-2	Alpha 2 15-60	UPS 15-60
SimFlex 25-60	EV 2-70, Vario 75, EV 2-75-2	Alpha 2 25-60	UPS 25-60
SimFlex 25-100			
SimFlex 32-40	EV 3-65	Alpha 2 32-40	UPS 25-40
SimFlex 32-60	EV 3-70	Alpha 2 32-60	UPS 32-60
SimFlex 30-100			
SimFlex 30-120	EV 3-100	Magna 32-100	
SimFlex 32-120		Magna 32-120	UPS 32-120
SimFlex 40-100	EV 4-60-2	Magna 40-100	UPS 40-60
SimFlex 40-120	EV 4-75		
SimFlex 40-140	EV 4-95-2	Magna 40-120	UPS 40-120
SimFlex 50-80	EV 5-100-4		
SimFlex 50-90	EV 5-125-4	Magna 50-60,	UPS 50-60
SimFlex 50-100		Magna 50-100	
SimFlex 50-140	EV 5-88-2, EV 5-95-2	Magna 50-120	UPS 50-120
SimFlex 65-90	EV 6-125-4, EV 6-160-4	Magna 65-60	UPS 65-60
SimFlex 65-120	EV 6-95-2, EV 6-110-2	Magna 65-120	UPS 65-120
SimFlex 80-120	EV 8-125-4, ***EV 8-160-4*	UPE 80-120	UPS 80-120
SimFlex 80-120	EV 8-95-2, EV 8-100-2	UPE 80-120	UPS 80-120
SimFlex 80-120	****EV 8-200-4*, EV 8-120-2*	UPE 80-120	UPS 80-120

Twin Pumps

Smedegaard SimFlex A	Smedegaard EV	Grundfos Magna/ Alpha	Grundfos UPS
SimFlex 30-120D	EV 3-100CD	Magna 32-100D	
SimFlex 32-120D		Magna 32-120D	UPS 32-120D
SimFlex 40-100D	EV 4-60-2CD	Magna 40-100D	UPS 40-60D
SimFlex 40-120D	EV 4-75CD		
SimFlex 40-140D	EV 4-95-2CD	Magna 40-120D	UPS 40-120D
SimFlex 50-140D	EV 5-88-2CD, EV 5-95-2CD	Magna 50-120D	UPS 50-120D
SimFlex 65-120D	EV 6-95-2CD, EV 6-110-2CD	Magna 65-120D	UPS 65-120D
SimFlex 80-120D	EV 8-125-4CD, ***EV 8-160-4CD*	UPE 80-120D	UPS 80-120D
SimFlex 80-120D	EV 8-95-2CD, EV 8-100-2CD	UPE 80-120D	UPS 80-120D
SimFlex 80-120D	****EV 8-200-4CD*, EV 8-120-2CD*	UPE 80-120D	UPS 80-120D

Power supply for all SimFlex models is 1x230V, 50Hz.

* Some EV models were supplied 3 Phase only

*** Extension flange 80 mm 360-390mm

**** Extension flange 80 mm 360-440mm

Interchange Extension Flanges

Item	Product Code
50mm 280 to 300mm	5009195181
65mm 340 to 370mm	5009195183
80mm 360 to 390mm	5009195185
80mm 360 to 440mm	5009195187



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Pumping Technology



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