

NEW RANGE

EVOSTA 3

MODE

EVOSTA

SIMPLY
RELIABLE



DAB
WATER • TECHNOLOGY

DAB... Innovation is not a goal but a new starting point.

This is not just a presentation of the new range of Evosta electronic circulators. It is much more.

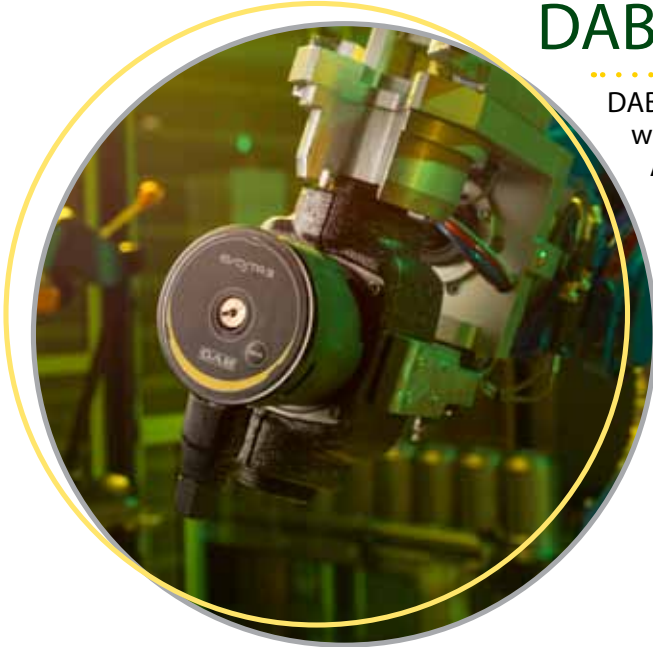
It is a story that began 43 years ago, about a path of technological innovation and about the application of a new way of imagining, creating, producing and working at DAB.

The result is the new Evosta range of circulators, the perfect synthesis between the strength of the mechanical circulator and the benefits of the electronic technology.

DAB 4.0

DAB inaugurates the new digital Factory 4.0 with the new Evosta circulators.

A robotised production line where man, technology and services are integrated in the name of human safety and outstanding quality of the product.



A future of innovation

Replacing the previous Evotron and Evosta and on the basis of the success of over 20 million pieces sold, the new range points to the future with the boost of an unprecedented technological acceleration.





Performance and efficiency

.....
Innovation, quality, performance and reliability
all play a part in delivering the Evosta as a
premium quality solution



DAB 4.0

RELIABILITY 4.0

Smart factory, Brilliant factory, Factory 4.0, Industry 4.0, Industrial Internet.

Innovation is about capacity, not words. It is about having a vision and adopting it in the corporate culture and complex organisational system.

DAB has done precisely this with the new range of Evosta electronic circulators. It is the first of its kind to be designed and produced using an entirely Smart automated process

TECHNOLOGIES

New technologies integrate the processes of operators, machines and tools

SERVICES

IT and technical infrastructures connect systems and people in a collaborative way to improve safety and quality of work

SUSTAINABILITY

Ongoing research in energy efficiency represents a social duty for DAB.

Optimising resources and using them in a sustainable and intelligent way can assist us in our digital transformation

DAB's Factory 4.0 is the result of the collaboration and integration of Research and Development, Industrialisation and Procurement.

The process is, therefore, entirely stable and constant while ensuring maximum flexibility of production. All the phases of assembly of the new Evosta range are automated and involve intelligent **POKA-YOKE**

www.dabevosta.co.uk





POKA-YOKE

POKA-YOKE is an industrial standard applied to a design choice or a device preventing any human error.

The concept is to avoid (yokeru) errors due to distraction and thereby ensure fault-free production and a risk-free workplace.

RANGE

A new range for the market of tomorrow

43 years of experience and with over 20 million circulators sold.

Our strength of history, know-how, innovative design and advanced production within our fully digitalised DAB 4.0 factory. This helps us create our next generation Evosta electronic wet rotor circulator pump with premium reliability and efficient performance.



IPX5 TESTING

The infiltration of moisture in the mechanics and, most importantly, in the electronics of our products is no longer an issue.

The IPX5 degree of protection is tested by firing a water jet from a 6.3 mm nozzle on weak spots and openings with no infiltration into the device.



IPX5

The waterproofed protection of our electronics reduce faults to a minimum and ensures complete peace of mind.



SELECTION GUIDE



EVOSTA 3

EVOSTA 2

EVOSTA 2 SAN

EVOSTA 2 SAN

EVOSTA 2 SOL



Warranty period

5 years

2 years

2 years

2 years

2 years

Display

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Quick connection plug

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Proportional differential pressure

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Constant differential pressure regulation

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Fixed speed regulation

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Dry run protection

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Auto-venting

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Airvent plug

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Auto-unlock

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EVOSTA

EVOSTA 3

THE FIRST SMART CIRCULATOR

FOR COMFORT LIVING... AND THAT'S NOT ALL



Regular feedback from installers. All-round vision of technological and productive innovation. The new Evosta 3 electronic wet rotor circulator is based on this, on solid experience and an eye for the future. DAB's first own Smart circulator, the Evosta3, offers unique features thanks to the new DAB 4.0 factory which represents a great leap forward in terms of assisting the installer and improving the performance of the systems.

Compact size, quality of construction, innovative materials and technical solutions all make Evosta 3 high performing, reliable and easy to install at the same time. Thanks to its usability and efficiency, Evosta 3 is the ideal solution for domestic heating and cooling systems.



Q max
4.2 m³/h

H max
8 m

EEI ≤ 0.19



WHY CHOOSE EVOSTA 3

APPLICATION



ENERGY EFFICIENT
MONEY SAVING
MOTOR DESIGN



REPLACES ALL
LEADING BRAND
MODELS



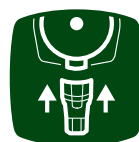
PROTECTION
AGAINST WATER
DAMAGE



AIR-VENT PLUG
FOR RELEASING
TRAPPED AIR &
SHAFT ACCESS



DIGITAL DISPLAY
OF SYSTEM PER-
FORMANCE AND
FAULT FINDING



QUICK COUPLING
ELECTRICAL PLUG
CAN REPLACE ALL
LEADING BRANDS



Reliability, durability and practicality

IPX5 PROTECTION

This certified degree of protection prevents the infiltration of water in the mechanics and, most importantly, in the electronics.

Faults are reduced to a minimum for absolute peace of mind.



AIRVENT PLUG

Designed for venting trapped air from the system and direct access to the shaft in case of seizure.

EvoSta 3: easier maintenance for greater peace of mind



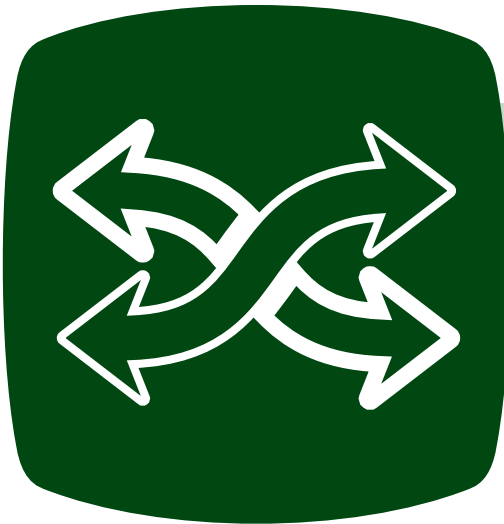
MOTOR CASING

Made from stainless steel grade AISI 304 ensuring maximum performance and long life, even in the case of cooling applications.



EVOSTA 3

WHEN TECHNOLOGY
LEND US A HAND



QUICK REPLACEMENT

Evosta provides a quick replacement to all leading brands. The new interchangeable power connection of the Evosta 3 range can be used with connection plugs of other competitors without the need to rewire all the electrical connections. Even the most awkward replacement is now quick and easy.

ERGONOMIC INNOVATION

DAB's technological evolution has made it possible to provide a consistent reduction to the overall size of the Evosta 3 now offering unparalleled flexibility.



WHEN SMART MEANS EASY

The new user interface with illuminated display and sequential button provide immediate feedback of system status. Making it simple and easier to set the system modes and operational parameters. The display will also show system fault conditions.



MAXIMUM PERFORMANCE, MINIMUM CONSUMPTION

The energy performance of the new Evosta 3 has been improved with a new concept of Smart energy technology and the use of a variable speed inverter, bringing the EEl efficiency index down to ≤ 0.19 : lower than ever before.



RELIABILITY & PEACE OF MIND

The new Evosta 3 is supplied with our new premium extended 5 Year warranty for complete peace of mind.



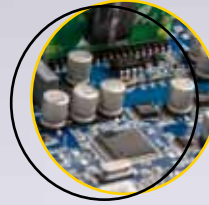
EVOSTA 3

MECHANICAL

ELECTRONIC EVOLUTION

INVERTER

Evosta absorbs just the energy strictly necessary, ensuring significant cost savings.



USER INTERFACE

Intuitive interface providing immediate feedback for keeping the operating settings under control at all times.



AIRVENT PLUG

Providing instant release of trapped air and gives access to the shaft in case of seizure.



UNIVERSAL PLUG CONNECTION

Compatible with the connection plugs of our main competitors, meaning that it can be used to replace without the need to rewire the electrical connection.



FEATURES

PUMP BODY

Cast iron pump body with special anti-corrosion cataphoresis paint coating.



MOTOR

Permanent-magnet synchronous motor.



STEEL MOTOR CASING

AISI 304 stainless steel.



INSULATION SHELLS

Optional insulation kit to help reduce the loss of thermal heat energy. To help further guarantee energy savings.



EVOSTA 2

MULTI-PURPOSE APPLICATIONS

2
YEARS
WARRANTY



Increasingly complex systems, ever more advanced technologies and higher demand for better quality. In this scenario, DAB's Smart Factory offers all the answers to a more specialised market with the new Evosta 2 circulators.

In the context of heating systems with solar panels for the recirculation of domestic hot water, and now also for cooling applications, the new Evosta 2 circulators represent the very latest evolution in terms of reliability and comfort, performance, low consumption, ease of use and maintenance.

Q max
3.6 m³/h

H max
6.9 m



Heating and cooling

EEI ≤ 0.18



EVOSTA 2
SAN



Q max
4.2 m³/h

H max
8 m

Domestic Hot Water

Q max
0.6 m³/h

H max
1.1 m

EVOSTA 2
SOL

Solar panel
heating systems

Q max
3.5 m³/h

H max
14.5 m



WHY CHOOSE EVOSTA 2



ENERGY EFFICIENT
MONEY SAVING
MOTOR DESIGN



SIMPLE ONE
BUTTON CONTROL
OPERATION



PROTECTION
AGAINST WATER
DAMAGE



AIR-VENT PLUG
FOR RELEASING
TRAPPED AIR &
SHAFT ACCESS

APPLICATION





IPX5 PROTECTION

This certified degree of protection prevents the infiltration of water in the mechanics and most importantly, in the electronics: faults are reduced to a minimum for absolute peace of mind.



MOTOR CASING

Made from stainless steel grade AISI 304 ensuring maximum performance and long life.

AIRVENT PLUG

Designed for venting trapped air from the system and direct access to the shaft in case of seizure.
Evosta 2: easier maintenance for greater peace of mind

USER INTERFACE

One button quick selection interface providing immediate feedback for keeping the operating settings under control at all times.



MAXIMUM PERFORMANCE MINIMUM CONSUMPTION

The energy performance of the new Evosta 2 has been improved with a new concept of Smart energy technology and the use of a variable speed inverter, bringing the EEL efficiency index down to ≤ 0.18 : lower than ever before.



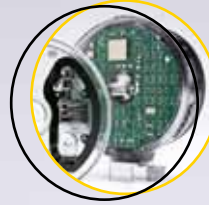
EVOSTA 2

MECHANICAL

ELECTRONIC EVOLUTION

INVERTER

Evosta absorbs only the energy that is strictly necessary, ensuring significant financial savings.



USER INTERFACE

Intuitive interface providing immediate feedback for keeping the operating settings under control at all times.



AIRVENT PLUG

Providing instant release of trapped air and gives access to the shaft in case of seizure.



CONNECTOR PLUG

Allows a simple and quick electrical connection, even in the most difficult installations.



FEATURES

MOTOR

Permanent-magnet synchronous

PUMP BODY

EVOSTA 2 and SOL: Cast iron pump body with special corrosion resistant cataphoresis paint coating.

EVOSTA 2 SAN with bronze pump body for hot water applications.

STEEL MOTOR CASING

AISI 304 stainless steel.

EVOSTA 2



NEW DAB MODEL	DAB (Old)	GRUNDFOS	WILO
EVOSTA 360/130	EVOSTA 40/70-130	UPS 3 15-50/65	STRATOS PICO 25 1-6
	EVOTRON 40/130	UPS2 15-50/60	YONOS PICO 25 1-4
	EVOTRON 60/130	ALPHA3 15-50/60	YONOS PICO 25 1-6
	VA 35/130 EVO	ALPHA1 15-50/60	SMART A
	VA 55/130 EVO	ALPHA 2L 15-50	SMART B
	VA 65/130 EVO	ALPHA2L 15-60	
		UPS 15-50	
		UPS 15-60	

E.SYLINE Specialist Water Boosting



VISIT OUR WEBSITE
DABPUMPS.COM



Sinks &
Taps



Garden
Water



Shower &
Bathing



Rainwater
Reuse

THE E.SYLINE FAMILY is a completely new solution in cold water boosting for residential and light commercial applications. Essentially a complete booster pump system, water cooled with integrated high efficiency variable speed motor with all components fully integrated.

Innovative and unique in the market, E.syline is the future.

e.sybox



Drainage Submersible Pumps



Submerged pumps for draining and clearing waste water from sumps, tanks and flooded water areas.

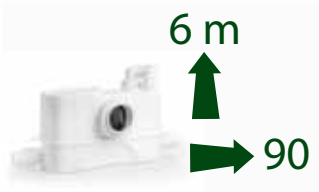
Domestic Macerators Sewage Systems



GENIX WC macerator & bathroom pump system is provided with everything you need for a quick and easy installation. Fittings package includes integrated non-return valves hose clamps, hose adaptors, ground-fixing screws, anti-vibration rubber mounts and simple illustrated quick guide.

COMPARISON

DAB MODEL	SANIFLO			
GENIX 130	SANIFLO	SANTOP	SANIPLUS	SANIPRO
GENIX WL 130	SANIPACK			
GENIX VT 030	SANIVITE			



Pumping Stations Waste Water Collection

GENIX VT automatic system for collecting and pumping waste water from residential applications such as sinks, bath water and washing machines.



PRESSURISATION



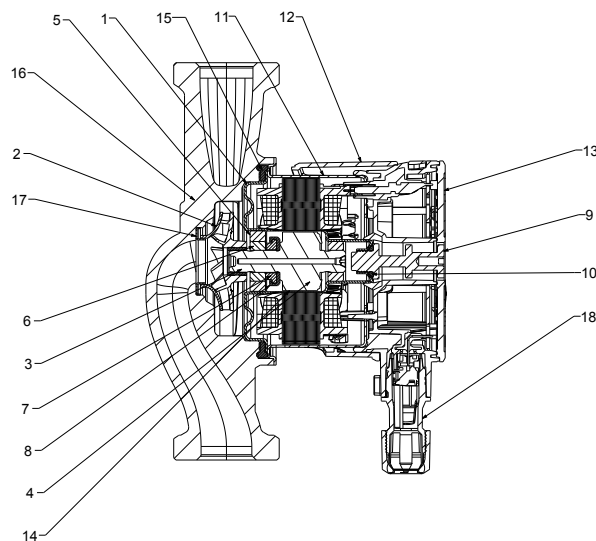
CIRCULATION



DRAINAGE

MATERIALS

N.	PARTS	MATERIALS
1	ROTOR CAN FLANGE	AISI 316
2	IMPELLER	ULTRASON
3	SHAFT	ALUMINA
4	ROTOR	Fe
5	BEARING HOUSING	BRASS
6	BEARING	ALUMINA
7	AXIAL BEARING	GRAPHITE
8	AXIAL HOUSING	EPDM
9	PLUG	BRASS
10	O-ring	EPDM
11	STATOR HOUSING	AISI 304
12	ENCLOSED SHELL	POLYCARBONATE
13	ENCLOSURE	POLYCARBONATE
14	ROTOR SLEEVE	AISI 304
15	SEAL	EPDM
16	PUMP HOUSING	CAST IRON - BRONZE (SAN VERSION)
17	NECK RING	AISI 304
18	CONNECTOR	POLYCARBONATE

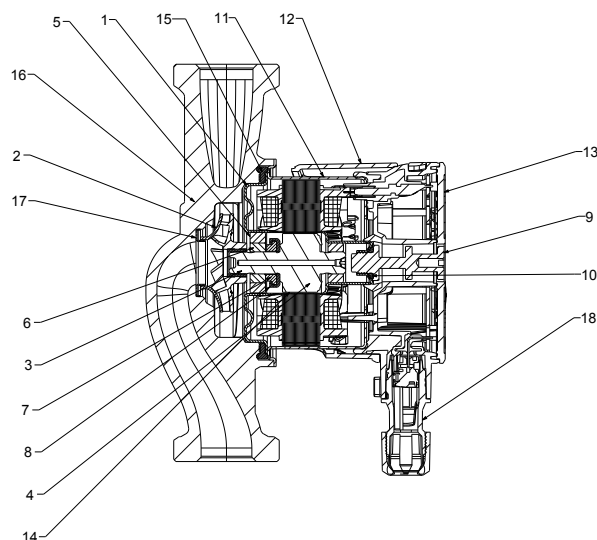


EVOSTA 2 SAN

HOT WATER ELECTRONIC CIRCULATORS

MATERIALS

N°	PARTS	MATERIALS
1	ROTOR CAN FLANGE	AISI 316
2	IMPELLER	ULTRASON
3	SHAFT	ALUMINA
4	ROTOR	Fe
5	BEARING HOUSING	BRASS
6	BEARING	ALUMINA
7	AXIAL BEARING	GRAPHITE
8	AXIAL HOUSING	EPDM
9	PLUG	BRASS
10	O-ring	EPDM
11	STATOR HOUSING	AISI 304
12	ENCLOSED SHELL	POLYCARBONATE
13	ENCLOSURE	POLYCARBONATE
14	ROTOR SLEEVE	AISI 304
15	SEAL	EPDM
16	PUMP HOUSING	CAST IRON - BRONZE (SAN VERSION)
17	NECK RING	AISI 304
18	CONNECTOR	POLYCARBONATE



REGULATION MODES

PROPORTIONAL PRESSURE REGULATION



PP1



PP2



PP3

CONSTANT PRESSURE REGULATION



CP1



CP2



CP3

FIXED CURVE REGULATION MODE



I



II

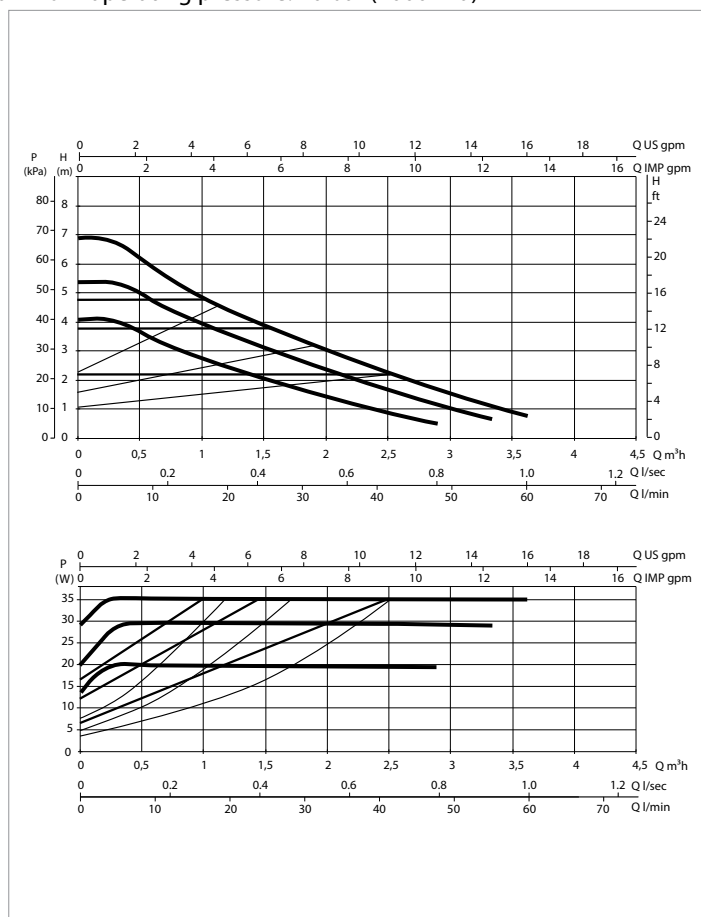
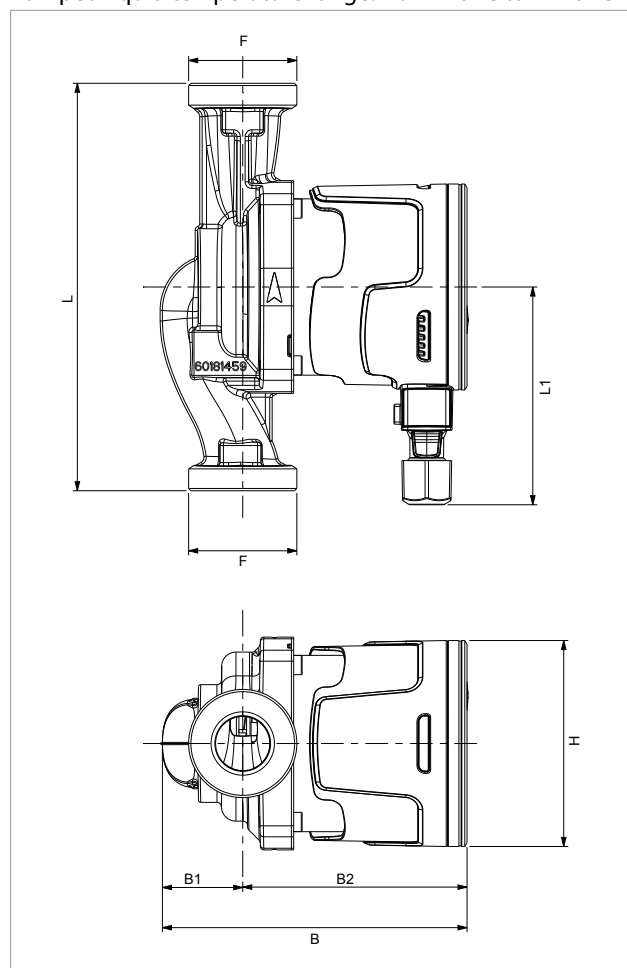


III

EVOSTA 2 - ELECTRONIC CIRCULATORS FOR DOMESTIC HEATING AND COOLING SYSTEMS

Single head with threaded connections

Pumped liquid temperature range: from -10 °C to +110 °C - Maximum operating pressure: 10 bar (1000 kPa)



The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

MODEL	Q=m³h	0,0	0,3	0,6	0,9	1,8	2,4	3,0	3,6
	Q=l/min	0	5	10	15	30	40	50	60
EVOSTA 2 40-70/130 1"	H (m)	6,9	6,9	5,8	5,1	3,4	2,4	1,6	0,8
EVOSTA 2 40-70/130 1/2"		6,9	6,9	5,8	5,1	3,4	2,4	1,6	0,8
EVOSTA 2 40-70/180 1"		6,9	6,9	5,8	5,1	3,4	2,4	1,6	0,8
EVOSTA 2 40-70/180X		6,9	6,9	5,8	5,1	3,4	2,4	1,6	0,8

MODEL	CENTRE DISTANCE mm	PUMP CONNECTIONS	POWER INPUT 50 Hz	P1 MAX W	In A	EEI*	MINIMUM SUCTION PRESSURE	
							t°	90 °
EVOSTA 2 40-70/130 1"	130	DN25 THREADED (G 1"½)	1x230 V~	35	0,043 - 0,32	≤ 0,18	m.c.a.	10
EVOSTA 2 40-70/130 1/2"	130	DN15 THREADED (G 1")	1x230 V~	35	0,043 - 0,32	≤ 0,18	m.c.a.	10
EVOSTA 2 40-70/180 1"	180	DN25 THREADED (G 1"½)	1x230 V~	35	0,043 - 0,32	≤ 0,18	m.c.a.	10
EVOSTA 2 40-70/180X	180	DN32 THREADED (G 2")	1x230 V~	35	0,043 - 0,32	≤ 0,18	m.c.a.	10

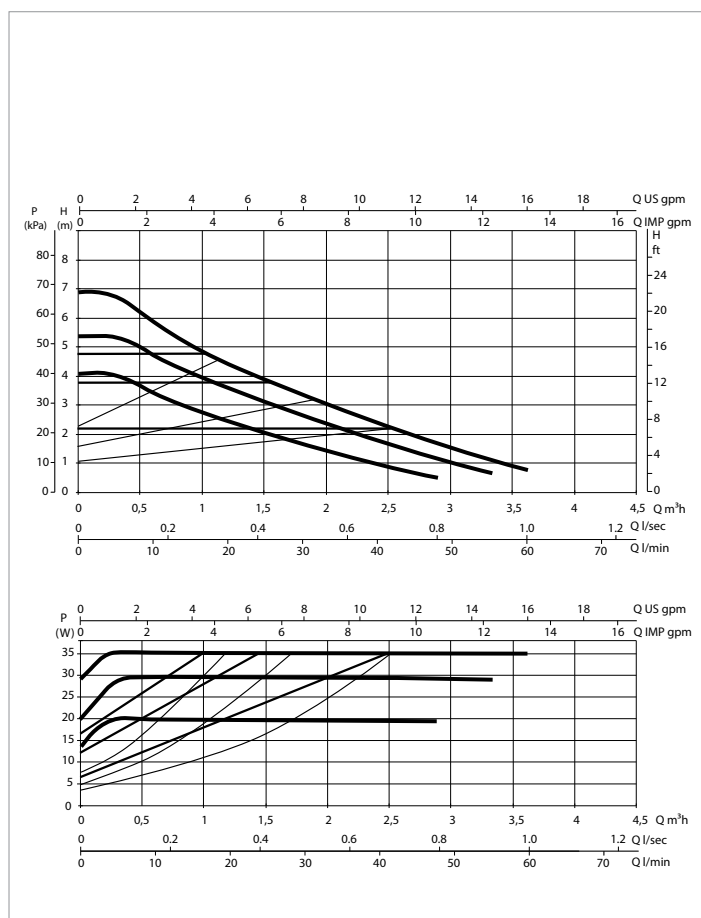
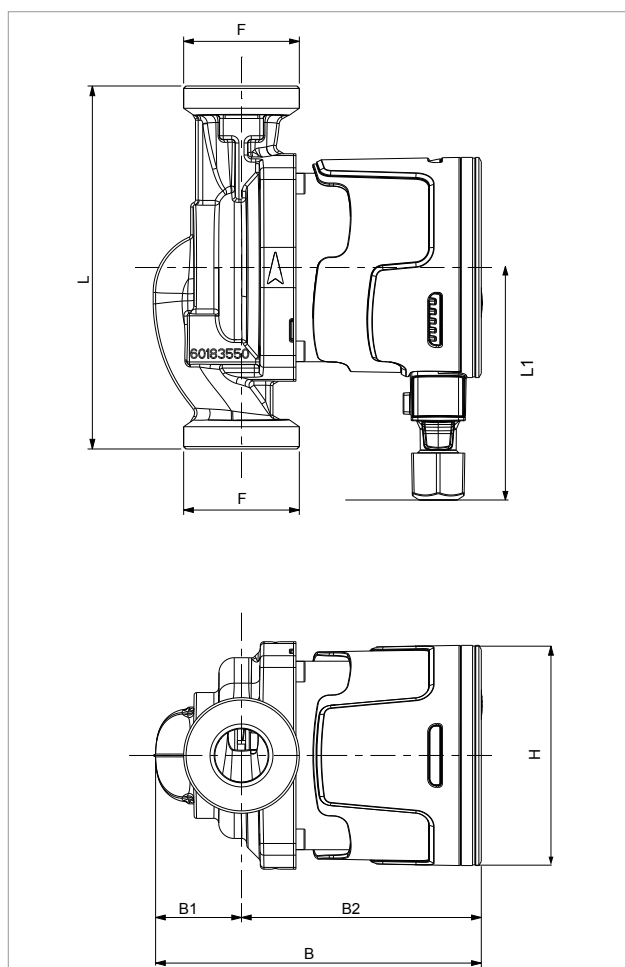
The parameter of reference for the more efficient circulators is EEI ≤ 0,18

MODEL	L	L1	B	B1	B2	H	F	PACKING DIMENSIONS			VOLUME m³	WEIGHT kg
								L	B	H		
EVOSTA 2 40-70/130 1"	130	96	135.5	26.5	109	91	1"½	142	99	150	0,0021	2,02
EVOSTA 2 40-70/130 1/2"	130	96	135.5	36.5	99	91	1	142	99	150	0,0021	1,86
EVOSTA 2 40-70/180 1"	180	96	135.5	36.5	99	91	1"½	192	99	150	0,0028	2,19
EVOSTA 2 40-70/180X	180	96	135.5	36.5	99	91	2"	192	99	150	0,0028	2,35

EVOSTA 2 SAN- ELECTRONIC CIRCULATORS FOR DOMESTIC HOT WATER SYSTEMS

Single head with threaded connections

Pumped liquid temperature range: from -10 °C to +110 °C - Maximum operating pressure: 10 bar (1000 kPa)



The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

MODEL	Q=m³h	0,0	0,3	0,6	0,9	1,8	2,4	3,0	3,6
	Q=l/min	0	5	10	15	30	40	50	60
EVOSTA 2 SAN 40 -70/150	H (m)	6,9	6,9	5,8	5,1	3,4	2,4	1,6	0,8

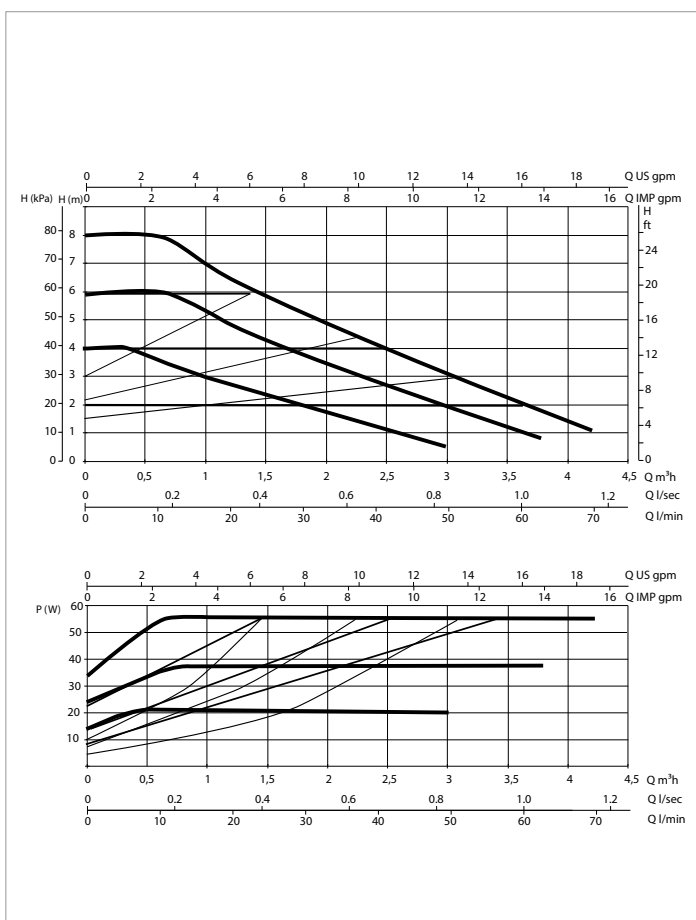
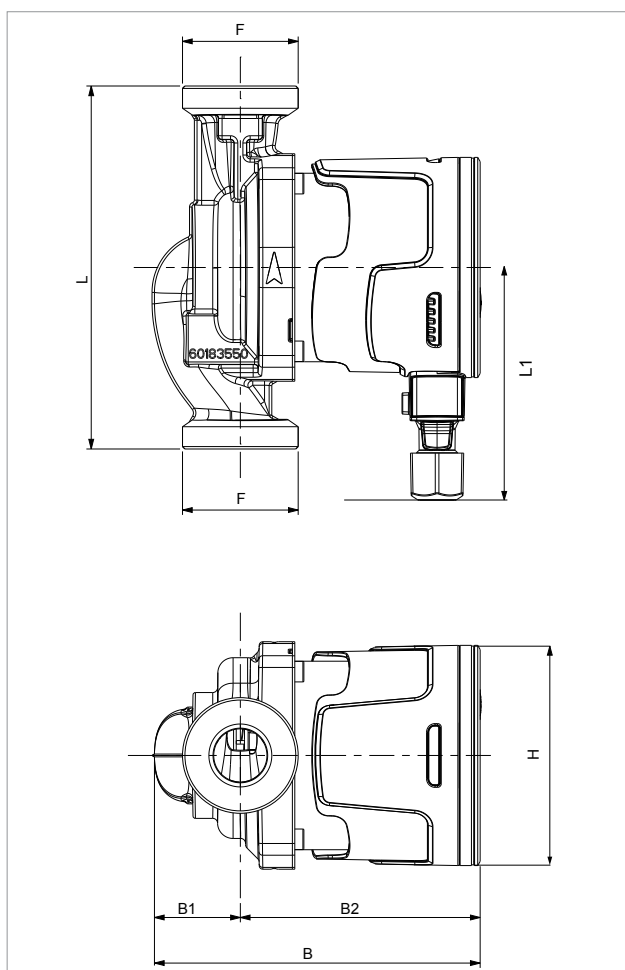
MODEL	CENTRE DISTANCE mm	PUMP CONNECTIONS	POWER INPUT 50 Hz	P1 MAX W	In A	MINIMUM SUCTION PRESSURE	
						t°	90 °
EVOSTA 2 SAN 40 -70/150	150	DN25 THREADED (G 1"½)	1x230 V ~	35	0,043 - 0,32	m.c.a.	10

MODEL	L	L1	B	B1	B2	H	F	PACKING DIMENSIONS			VOLUME m³	WEIGHT kg
								L	B	H		
EVOSTA 2 SAN 40 -70/150	150	96	134.6	35.5	99.1	91	1"½	192	99	150	0,0028	2,16

EVOSTA 2 SAN - ELECTRONIC CIRCULATORS FOR DOMESTIC HOT WATER SYSTEMS

Single head with threaded connections

Pumped liquid temperature range: from -10 °C to +110 °C - Maximum operating pressure: 10 bar (1000 kPa)



The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

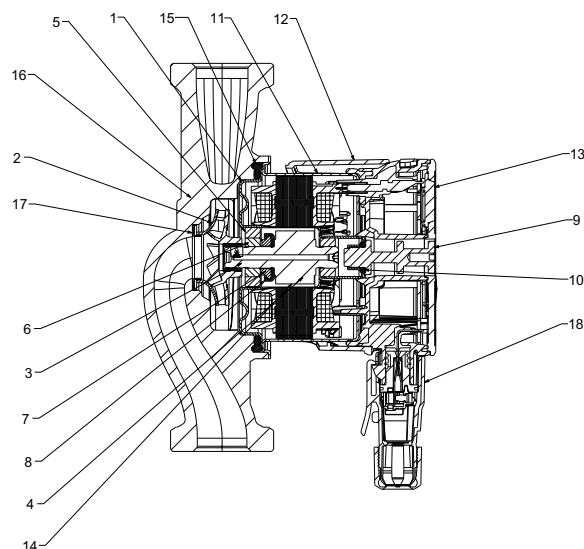
MODEL	Q=m³h	0,0	0,9	1,8	2,4	3,0	3,6	4,2
	Q=l/min	0	15	30	40	50	60	70
EVOSTA 2 SAN 80/150 1"		8	7,2	5,4	4,2	3,2	2,1	1

MODEL	CENTRE DISTANCE mm	PUMP CONNECTIONS	POWER INPUT 50 Hz	P1 MAX W	In A	MINIMUM SUCTION PRESSURE	
						t°	90 °
EVOSTA 2 SAN 80/150 1"	150	DN25 THREADED (G 1"½)	1x230 V ~	55	0,053 -0,47	m.c.a.	10

MODEL	L	L1	B	B1	B2	H	F	PACKING DIMENSIONS			VOLUME m³	WEIGHT kg
								L	B	H		
EVOSTA 2 SAN 80/150 1"	150	96	134.6	35.5	99.1	91	1"½	192	99	150	0,0028	2,16

MATERIALS

N°	PARTS	MATERIALS
1	ROTOR CAN FLANGE	AISI 316
2	IMPELLER	ULTRASON
3	SHAFT	ALUMINA
4	ROTOR	Fe
5	BEARING HOUSING	BRASS
6	BEARING	ALUMINA
7	AXIAL BEARING	CARBON
8	AXIAL HOUSING	EPDM
9	PLUG	BRASS
10	O-ring	EPDM
11	STATOR HOUSING	AISI 304
12	ENCLOSED SHELL	POLYCARBONATE
13	ENCLOSURE	POLYCARBONATE
14	ROTOR SLEEVE	AISI 304
15	SEAL	EPDM
16	PUMP HOUSING	CAST IRON
17	NECK RING	AISI 304
18	CONNECTOR	POLYCARBONATE



REGULATION MODES

PROPORTIONAL PRESSURE REGULATION

PP1 PP2 PP3

CONSTANT PRESSURE REGULATION

CP1 CP2 CP3

FIXED CURVE REGULATION MODE

I II III

Model Number
(example)

EVOSTA 40/70 130 X

Threaded connections electronic circulator

Maximum head range (dm)

Centre distance (mm)

Standard (no ref.) = 1"½ threaded

connections

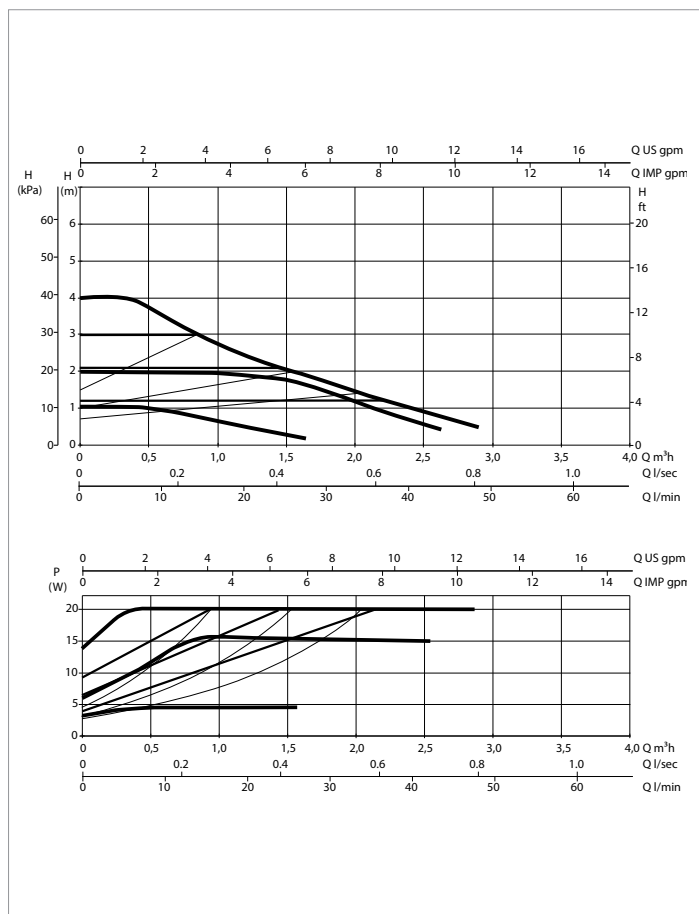
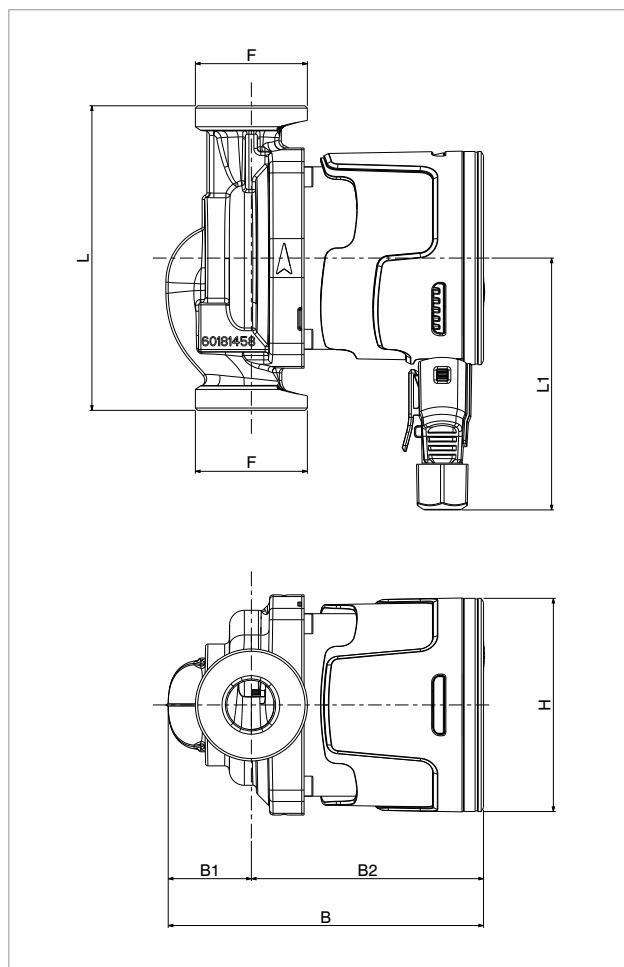
½" = 1" threaded connections

X = 2" threaded connections

EVOSTA 3 - ELECTRONIC CIRCULATORS FOR DOMESTIC HEATING AND COOLING SYSTEMS

Single head with threaded connections

Pumped liquid temperature range: from -10 °C to +110 °C - Maximum operating pressure: 10 bar (1000 kPa)



The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

MODEL	Q=m³h	0	0,4	0,6	0,9	1,2	1,8	2,1	2,9
	Q=l/min	0	6	10	15	20	30	35	48
EVOSTA 3 40/130 1"	H (m)	4,0	4,0	3,5	2,9	2,5	1,7	1,3	0,5
EVOSTA 3 40/130 1/2"		4,0	4,0	3,5	2,9	2,5	1,7	1,3	0,5
EVOSTA 3 40/180 1"		4,0	4,0	3,5	2,9	2,5	1,7	1,3	0,5
EVOSTA 3 40/180 X 1" 1/4		4,0	4,0	3,5	2,9	2,5	1,7	1,3	0,5

MODEL	CENTRE DISTANCE mm	PUMP CONNECTIONS	POWER INPUT 50 Hz	P1 MAX W	In A	EEI *	MINIMUM SUCTION PRESSURE	
							t°	90 °
EVOSTA 3 40/130 1"	130	DN25 THREADED (G 1"½)	1x230 V ~	20	0,034 - 0,18	0,17	m.c.a.	10
EVOSTA 3 40/130 1/2"	130	DN15 THREADED (G 1")	1x230 V ~	20	0,034 - 0,18	0,17	m.c.a.	10
EVOSTA 3 40/180 1"	180	DN25 THREADED (G 1"½)	1x230 V ~	20	0,034 - 0,18	0,17	m.c.a.	10
EVOSTA 3 40/180 X 1" 1/4	180	DN30 THREADED (G 2")	1x230 V ~	20	0,034 - 0,18	0,17	m.c.a.	10

*The parameter of reference for the more efficient circulators is EEI ≤ 0,19

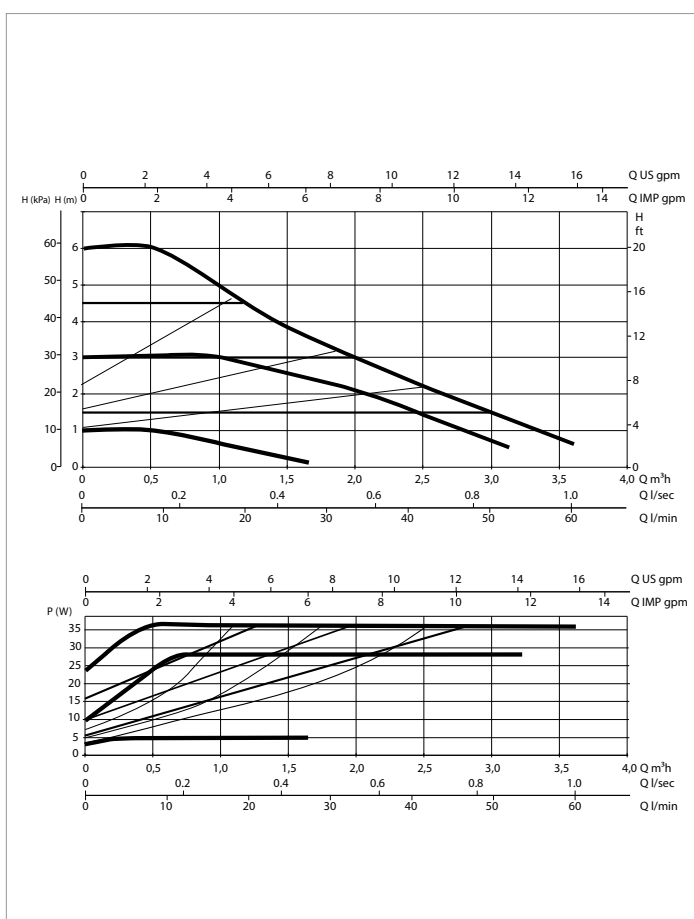
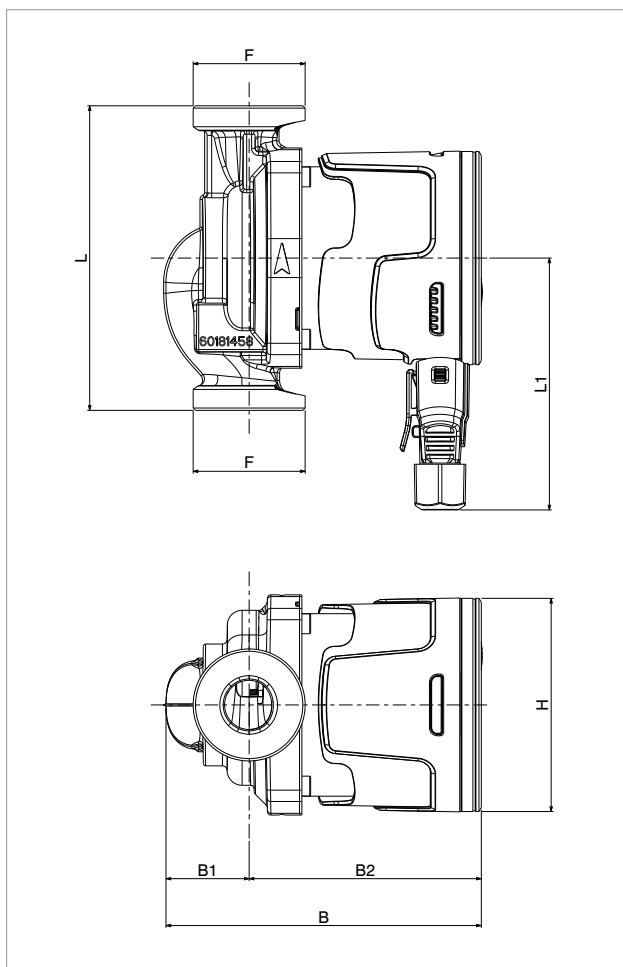
MODEL	L	L1	B	B1	B2	H	F	PACKING DIMENSIONS			VOLUME m³	WEIGHT kg
								L	B	H		
EVOSTA 3 40/130 1"	130	107,5	135,5	26,5	109	91	1"½	192	113,5	155	0,0034	2,05
EVOSTA 3 40/130 1/2" *	130	107,5	144,1	45	99,1	91	1	192	113,5	155	0,0034	1,9
EVOSTA 3 40/180 1" *	180	107,5	144,1	45	99,1	91	1"½	192	113,5	155	0,0034	2,22
EVOSTA 3 40/180 X 1" 1/4 *	180	107,5	144,1	45	99,1	91	2"	192	113,5	155	0,0034	2,38

*with insulation shell

EVOSTA 3 - ELECTRONIC CIRCULATORS FOR DOMESTIC HEATING AND COOLING SYSTEMS

Single head with threaded connections

Pumped liquid temperature range: from -10 °C to +110 °C - Maximum operating pressure: 10 bar (1000 kPa)



The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

MODEL	Q=m³h	0	0,6	1,2	1,5	2,1	2,4	3,0	3,6
	Q=l/min	0	9	20	25	35	40	50	60
EVOSTA 3 60/130 1"	H (m)	6,0	6,0	4,4	3,8	2,8	2,3	1,5	0,7
EVOSTA 3 60/130 1/2"		6,0	6,0	4,4	3,8	2,8	2,3	1,5	0,7
EVOSTA 3 60/180 1"		6,0	6,0	4,4	3,8	2,8	2,3	1,5	0,7
EVOSTA 3 60/180X 1" 1/4		6,0	6,0	4,4	3,8	2,8	2,3	1,5	0,7

MODEL	CENTRE DISTANCE mm	PUMP CONNECTIONS	POWER INPUT 50 Hz	P1 MAX W	In A	EEI *	MINIMUM SUCTION PRESSURE	
							t°	90 °
EVOSTA 3 60/130 1"	130	DN25 THREADED (G 1" ½)	1x230V ~	35	0,042 - 0,33	0,18	m.c.a.	10
EVOSTA 3 60/130 1/2"	130	DN15 THREADED (G 1")	1x230V ~	35	0,042 - 0,33	0,18	m.c.a.	10
EVOSTA 3 60/180 1"	180	DN25 THREADED (G 1" ½)	1x230V ~	35	0,042 - 0,33	0,18	m.c.a.	10
EVOSTA 3 60/180X 1" 1/4	180	DN30 THREADED (G 2")	1x230V ~	35	0,042 - 0,33	0,18	m.c.a.	10

*The parameter of reference for the more efficient circulators is EEI ≤ 0,19

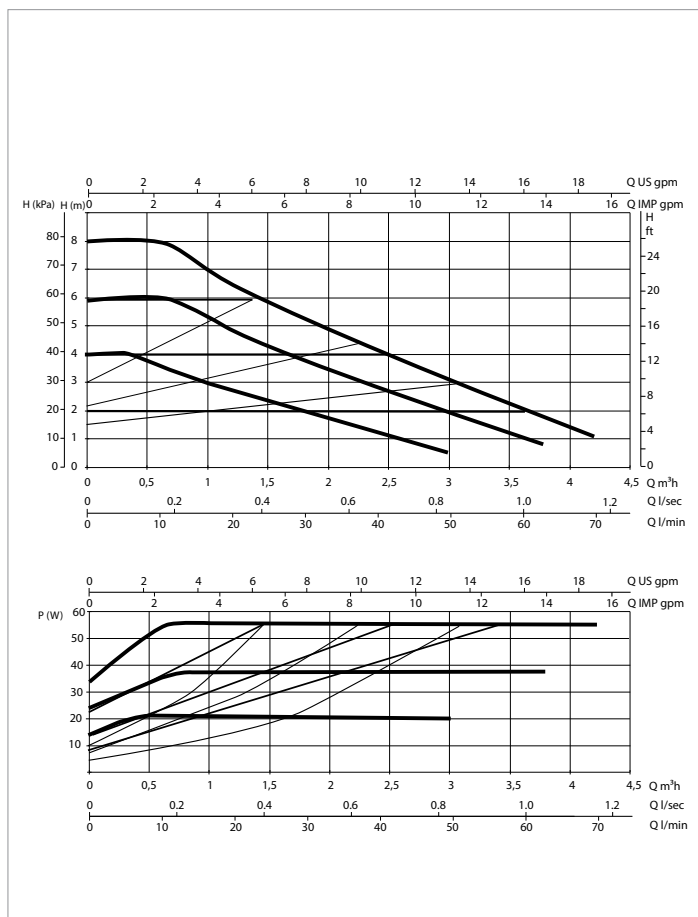
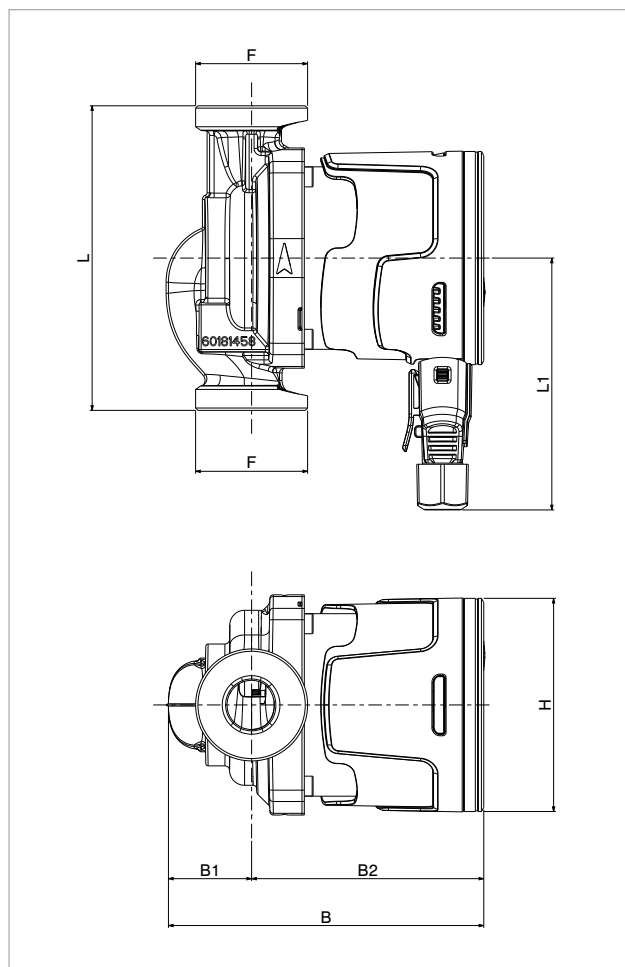
MODEL	L	L1	B	B1	B2	H	F	PACKING DIMENSIONS			VOLUME m³	WEIGHT kg
								L	B	H		
EVOSTA 3 60/130 1"	130	107,5	135,5	26,5	109	91	1" ½	192	113,5	155	0,0034	2,05
EVOSTA 3 60/130 1/2" *	130	107,5	144,1	45	99,1	91	1	192	113,5	155	0,0034	1,9
EVOSTA 3 60/180 1" *	180	107,5	144,1	45	99,1	91	1" ½	192	113,5	155	0,0034	2,22
EVOSTA 3 60/180X 1" 1/4 *	180	107,5	144,1	45	99,1	91	2"	192	113,5	155	0,0034	2,38

*with insulation shell

EVOSTA 3 - ELECTRONIC CIRCULATORS FOR DOMESTIC HEATING AND COOLING SYSTEMS

Single head with threaded connections

Pumped liquid temperature range: from -10 °C to +110 °C - Maximum operating pressure: 10 bar (1000 kPa)



The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

MODEL	Q=m³h	0	0,6	0,9	1,2	2,7	3,3	3,9	4,2
	Q=l/min	0	10	15	20	45	55	65	70
EVOSTA 3 80/130 1"	H (m)	8,0	8,0	7,2	6,5	3,7	2,6	1,6	1,0
EVOSTA 3 80/130 1/2"		8,0	8,0	7,2	6,5	3,7	2,6	1,6	1,0
EVOSTA 3 80/180 1"		8,0	8,0	7,2	6,5	3,7	2,6	1,6	1,0
EVOSTA 3 80/180X 1" 1/4		8,0	8,0	7,2	6,5	3,7	2,6	1,6	1,0

MODEL	CENTRE DISTANCE mm	PUMP CONNECTIONS	POWER INPUT 50 Hz	P1 MAX W	In A	EEI*	MINIMUM SUCTION PRESSURE	
							t°	90 °
EVOSTA 3 80/130 1"	130	DN25 THREADED (G - 1"½)	1x230 V ~	55	0,053 -0,47	≤ 0,19	m.c.a.	10
EVOSTA 3 80/130 1/2"	130	DN15 THREADED (G - 1")	1x230 V ~	55	0,053 -0,47	≤ 0,19	m.c.a.	10
EVOSTA 3 80/180 1"	180	DN25 THREADED (G - 1"½)	1x230 V ~	55	0,053 -0,47	≤ 0,19	m.c.a.	10
EVOSTA 3 80/180X 1" 1/4	180	DN30 THREADED (G - 2")	1x230 V ~	55	0,053 -0,47	≤ 0,19	m.c.a.	10

*The parameter of reference for the more efficient circulators is EEI ≤ 0,19

MODEL	L	L1	B	B1	B2	H	F	PACKING DIMENSIONS			VOLUME m³	WEIGHT kg
								L	B	H		
EVOSTA 3 80/130 1"	130	107,5	135,5	26,5	109	91	1"½	192	113,5	155	0,0034	2,05
EVOSTA 3 80/130 1/2"*	130	107,5	144,1	45	99,1	91	1	192	113,5	155	0,0034	1,9
EVOSTA 3 80/180 1"*	180	107,5	144,1	45	99,1	91	1"½	192	113,5	155	0,0034	2,22
EVOSTA 3 80/180X 1" 1/4 *	180	107,5	144,1	45	99,1	91	2"	192	113,5	155	0,0034	2,38

*with insulation shell



TECHNICAL DATA

Operating range: 0-0.6 m³/h with head up to 1.1 metres
 Pumped liquid temperature range: : from +2 °C to +75°C
 Working pressure: 10 bar (1000 kPa)
 Protection class: IP42
 Insulation class: II
 Installation: with horizontal motor axis.
 Standard power input: single-phase 1x115-230 V~ 50/60 Hz
 Pumped liquid: Clean, free of solids and mineral oils, non-viscous, chemically neutral, with properties similar to water (glycol max 30%).

APPLICATIONS

Low energy consumption electronic pump for domestic hot water circulation.

CONSTRUCTION FEATURES

Self-protected synchronous motor with spherical rotor requiring just one seal ring between the motor and the pump body.

Easy to clean or replace.

Brass pump body with R ½" (G ½") internal thread in the R version, or with check valve and isolation valve supplied as standard in version V for connector with ½" external thread (G 1").

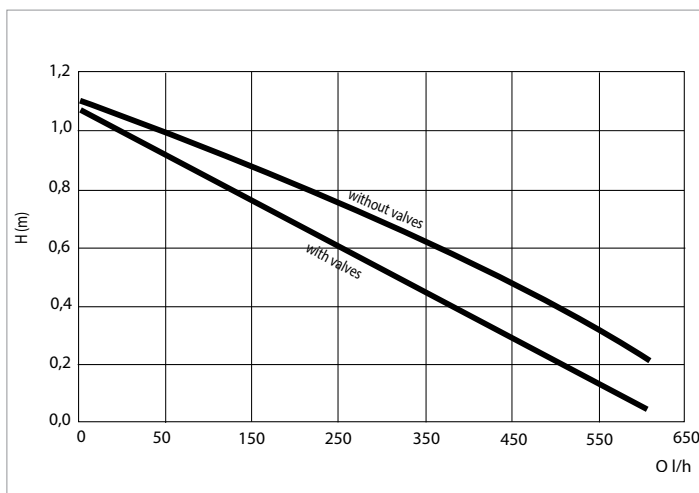
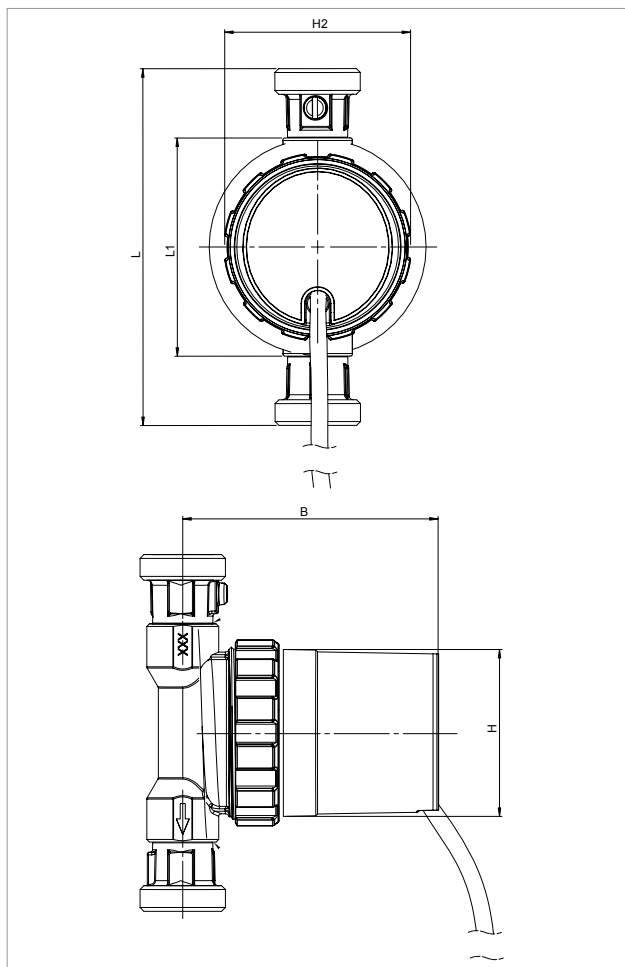
Model Number:
(example)

	EVOSTA 2	11/139	V	R
Threaded ports electronic circulator				
Maximum head range (dm)				
External thread: ½" G 1"				
Internal thread: R ½" (G ½")				

EVOSTA 2 SAN - ELECTRONIC CIRCULATORS FOR DOMESTIC HEATING AND COOLING SYSTEMS

SINGLE, WITH UNIONS

Pumped liquid temperature range: from +2 °C to +75°C - Maximum operating pressure: 10 bar (1000 kPa)



The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

MODEL	Q=m ³ h	0	0,1	0,2	0,3	0,4	0,5	0,6
	Q=l/h	0	100	200	300	400	500	600
EVOSTA 2 11/139 V	H (m)	1,1	0,93	0,76	0,59	0,4	0,23	0,7
EVOSTA 2 11/ 85 R		1,1	1	0,87	0,73	0,58	0,4	0,23

MODEL	CENTRE DISTANCE mm	PUMP CONNECTIONS	POWER INPUT 50 Hz	P1 MAX W	In A	MINIMUM SUCTION PRESSURE	
						t°	90 °
EVOSTA 2 11/139 V	139	external thread G 1"	1x115-230V~ 50/60 Hz	7	0,07A	m.c.a.	10
EVOSTA 2 11/ 85 R	85	internal thread G 1/2"	1x115-230V~ 50/60 Hz	7	0,07A	m.c.a.	10

MODEL	L	L1	B	H	H2	CABLE LENGTH	PACKING DIMENSIONS			VOLUME m ³	WEIGHT kg
							L	B	H		
EVOSTA 2 11/139 V	139	-	100	65	72	1,5m	175	125	105	0,0023	1,065
EVOSTA 2 11/ 85 R	-	85	100	65	72	1,5m	175	125	105	0,0023	1,260



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