

EVOSTA 2

ELECTRONIC WET-ROTOR CIRCULATORS



DAB's Evosta 2 is an electronic wet-rotor circulator designed for water recirculation in heating and air conditioning systems in domestic and residential installations.

Evosta 2 has a permanent magnet synchronous motor and variable frequency drive electronics that automatically adapts performance to system demands, saving energy and protecting against water hammer.

Ideal for replacing old three-speed circulators, both for its compact size and for the completeness offered in terms of performance. It offers the robustness of a mechanical circulator combined with the advantages of an electronic one.

Easy to set up: a sequential button allows you to scroll through the nine operating modes, three proportional pressure, three constant pressure, three constant speed.

All models have an air vent plug and allow manual release of the motor shaft. Threaded suction and delivery ports. Technopolymer impeller. Cataphoresis treated cast iron pump body, stainless steel motor casing. Water-resistant electronics with IPX5 protection degree.

The calcium removal cartridge included keeps the motor shaft in perfect condition, preventing the normal limescale build-up that can occur inside the circulator if air bubbles are present during initial installation.

Operating range

0.4 to 3.6 m³/h with head up to 6.9 metres.

Liquid temperature range

-10 °C to +110 °C.

Working pressure

10 bar (1000 kPa).

Protection degree

IPX5.

Insulation class

F.

Installation

with horizontal motor shaft.

Standard power supply

single-phase 1x230V/50/60 Hz.

Pumped liquid

clean, free of solids and mineral oils, non-viscous, chemically neutral, close to the characteristics of water (glycol max.

50%).

EVOSTA 2



ONLINE
TRAINING



ACCESSORIES
PAGE 77

MODEL	CODE	CENTRE DISTANCE mm	PUMP COUP.	ELECTRICAL DATA			HYDRAULIC DATA									EEI	WEIGHT KG	QTY PER PALLET
				POWER SUPPLY 50/60 Hz	P1 MAX W	In A	Q=m³h	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			
EVOSTA2 40-70/130 (1/2")	60186047	130	DN15 THREADED (G 1")	1x230 V ~	35	0,043 -0,32	H (m)	6.9	6.9	5.8	5.1	3.4	2.4	1.6	0.8	≤0,18	1.86	276
EVOSTA2 40-70/130 (1")	60186046	130	DN25 THREADED (G 1 ½")	1x230 V ~	35	0,043 -0,32		6.9	6.9	5.8	5.1	3.4	2.4	1.6	0.8	≤0,18	2.02	276
EVOSTA2 40-70/180 (1")	60185492	180	DN25 THREADED (G 1 ½")	1x230 V ~	35	0,043 -0,32		6.9	6.9	5.8	5.1	3.4	2.4	1.6	0.8	≤0,18	2.19	198
EVOSTA2 40-70/180X (1"1/4)	60186050	180	DN32 THREADED (G 2")	1x230 V ~	35	0,043 -0,32		6.9	6.9	5.8	5.1	3.4	2.4	1.6	0.8	≤0,18	2.35	198

EVOSTA 3

ELECTRONIC WET-ROTOR CIRCULATORS



DAB's Evosta 3 is an electronic wet-rotor circulator designed for water recirculation in heating and air conditioning systems in domestic and residential installations.

It is the first circulator with protection degree IPX5. Permanent magnet synchronous motor and variable frequency drive electronics that automatically adapts performance to system demands, saving energy and protecting against water hammer.

Easy to set up: a sequential button allows you to scroll through the nine operating modes, three proportional pressure, three constant pressure, three constant curve.

All models have an air vent plug, an auto-venting function and allow manual release of the motor shaft. Threaded suction and delivery ports. Technopolymer impeller. Includes insulation shells. Cataphoresis treated cast iron pump body, stainless steel motor casing.

Evosta 3 is equipped with a display to show the height in metres of the selected curve, instantaneous power absorption in watts, instantaneous head and instantaneous flow rate. Thanks to the new interchangeable standard Evosta 3 plug, it can also be powered from other brands' connectors without rewiring.

The calcium removal cartridge included keeps the motor shaft in perfect condition, preventing the normal limescale build-up that can occur inside the circulator if air bubbles are present during initial installation.

Operating range

0.4 - 4.2 m³/h with head up to 8 metres.

Liquid temperature range

-10 °C to +110 °C.

Working pressure

10 bar (1000 kPa).

Protection degree

IPX5.

Insulation class

F.

Installation

with horizontal motor shaft.

Standard power supply

single-phase 1x230 V~50/60 Hz.

Pumped liquid

clean, free of solids and mineral oils, non-viscous, chemically neutral, close to the characteristics of water (glycol max. 50%).

EVOSTA 3



ONLINE
TRAINING



ACCESSORIES
PAGE 77

MODEL	CODE	CENTRE DISTANCE mm	PUMP COUP.	ELECTRICAL DATA			HYDRAULIC DATA								EEI	WEIGHT KG	QTY PER PALLET	
				POWER SUPPLY 50/60 Hz	P1 MAX W	In A	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
EVOSTA3 40/130 (1/2")	60186088	130	DN15 THREADED (G 1")	1 x 230 V ~	20	0,034 -0,18	H (m)	4	4	3.5	2.9	2.5	1.7	1.3	0.5	≤0,17	1.9	168
EVOSTA3 40/130 (1")	60186086	130	DN25 THREADED (G 1 ½")	1x230V ~	20	0,034 -0,18		4	4	3.5	2.9	2.5	1.7	1.3	0.5	≤0,17	2.05	168
EVOSTA3 40/180 (1")	60186077	180	DN25 THREADED (G 1½")	1x230V ~	20	0,034 -0,18		4	4	3.5	2.9	2.5	1.7	1.3	0.5	≤0,17	2.22	168
EVOSTA3 40/180X (1"1/4)	60186078	180	DN32 THREADED (G 2")	1x230V ~	20	0,034 -0,18		4	4	3.5	2.9	2.5	1.7	1.3	0.5	≤0,17	2.38	168

MODEL	CODE	CENTRE DISTANCE mm	PUMP COUP.	ELECTRICAL DATA			HYDRAULIC DATA										EEI	WEIGHT KG	QTY PER PALLET
				POWER SUPPLY 50/60 Hz	P1 MAX W	In A	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				
EVOSTA3 60/130 (1/2")	60186090	130	DN15 THREADED (G 1")	1 x 230 V ~	35	0,042 -0,33	H (m)	6	6	4.4	3.8	2.8	2.3	1.5	0.7	≤0,18	1.9	168	
EVOSTA3 60/130 (1")	60186052	130	DN25 THREADED (G 1 ½")	1x230 V ~	35	0,042 -0,33		6	6	4.4	3.8	2.8	2.3	1.5	0.7	≤0,18	2.05	168	
EVOSTA3 60/180 (1")	60185506	180	DN25 THREADED (G 1 ½")	1x230 V ~	35	0,042 -0,33		6	6	4.4	3.8	2.8	2.3	1.5	0.7	≤0,18	2.22	168	
EVOSTA3 60/180X (1"1/4)	60186079	180	DN32 THREADED (G 2")	1x230 V ~	35	0,042 -0,33		6	6	4.4	3.8	2.8	2.3	1.5	0.7	≤0,18	2.38	168	

MODEL	CODE	CENTRE DISTANCE mm	PUMP COUP.	ELECTRICAL DATA			HYDRAULIC DATA										EEI	WEIGHT KG	QTY PER PALLET		
				POWER SUPPLY 50/60 Hz	P1 MAX W	In A	Q=m³/h								Q=l/min						
							0	0.6	0.9	1.2	2.7	3.3	3.9	4.2	0	10				15	20
EVOSTA3 80/130 (1/2")	60186091	130	DN15 THREADED (G 1")	1x230 V ~	55	0,053 -0,47	H(m)	8	8	7.2	6.5	3.7	2.6	1.6	1	≤0,19	1.9	168			
EVOSTA3 80/130 (1")	60186087	130	DN25 THREADED (G 1 ½")	1x230 V ~	55	0,053 -0,47		8	8	7.2	6.5	3.7	2.6	1.6	1	≤0,19	2.05	168			
EVOSTA3 80/180 (1")	60185505	180	DN25 THREADED (G 1 ½")	1x230 V ~	55	0,053 -0,47		8	8	7.2	6.5	3.7	2.6	1.6	1	≤0,19	2.22	168			
EVOSTA3 80/180X (1"1/4)	60186085	180	DN32 THREADED (G 2")	1x230 V ~	55	0,053 -0,47		8	8	7.2	6.5	3.7	2.6	1.6	1	≤0,19	2.38	168			

EVOSTA 2 SOL

ELECTRONIC WET-ROTOR CIRCULATORS



DAB's Evosta 2 Sol is an electronic wet-rotor circulator designed for water recirculation in solar panel heating systems in domestic and residential installations.

Equipped with a permanent magnet synchronous motor and variable frequency drive electronics that automatically adapts performance to system demands, saving energy and protecting against water hammer.

Easy to set up: a sequential button allows you to scroll through the operating modes.

All models have an air vent plug and allow manual release of the motor shaft. Threaded suction and delivery ports. Technopolymer impeller. Cataphoresis treated cast iron pump body, stainless steel motor casing.

A version with an external PWM signal is available (cable with 1.5 m connector). MOLEX power cable with 1.5 m connector. The calcium removal cartridge included keeps the motor shaft in perfect condition, preventing the normal limescale build-up that can occur inside the circulator if air bubbles are present during initial installation.

Operating range

0 - 4 m³/h with head up to 14.5 metres.

Liquid temperature range

-10°C to +110°C (130°C with 60°C ambient).

Working pressure

10 bar (1000 kPa).

Insulation class

F.

Installation

with horizontal motor shaft.

Standard power supply

single-phase 1x115-230 V~ 50/60 Hz.

Power cable

MOLEX connector with 1.5 m cable.

PWM signal cable

PWM connector with 1.5 m cable (SOL PWM versions only)

Pumped liquid clean, free of solids and mineral oils, non-viscous, chemically neutral, close to the characteristics of water (glycol max. 50%).

EVOSTA 2

SOL

ONLINE
TRAININGACCESSORIES
PAGE 77

MODEL	CODE	CENTRE DISTANCE mm	PUMP COUP.	ELECTRICAL DATA			HYDRAULIC DATA												EEI	WEIGHT KG	QTY PER PALLET
				POWER SUPPLY 50/60 Hz	P1 MAX W	In A	Q=m³/h	0	0.5	1	1.5	2	2.5	3	3.5	4					
							Q=l/min	0	8	16	25	33	40	50	60	66					
EVOSTA2 75/130 SOL (1/2")	60188450	130	DN15 THREADED (G 1")	1x230 V ~	47	0,07-0,4	H (m)	7.5	7.5	6.2	5.1	4.2	3.4	2.5	1.7	0.9	≤0,20	1.91	198		
EVOSTA2 75/130 SOL (1")	60188404	130	DN25 THREADED (G 1 ½")	1x230 V ~	47	0,07-0,4		7.5	7.5	6.2	5.1	4.2	3.4	2.5	1.7	0.9	≤0,20	2.07	198		
EVOSTA2 75/180 SOL (1")	60188405	180	DN25 THREADED (G 1 ½")	1x230 V ~	47	0,07-0,4		7.5	7.5	6.2	5.1	4.2	3.4	2.5	1.7	0.9	≤0,20	2.24	198		
EVOSTA2 105/130 SOL (1/2")	60188451	130	DN15 THREADED (G 1")	1x230 V ~	48	0,055-0,4		10.5	9	6.8	5.4	4.1	3.2	2	0.8		≤0,20	1.91	198		
EVOSTA2 105/130 SOL (1")	60188421	130	DN25 THREADED (G 1 ½")	1x230 V ~	48	0,055-0,4		10.5	9	6.8	5.4	4.1	3.2	2	0.8		≤0,20	2.07	198		
EVOSTA2 105/180 SOL (1")	60188427	180	DN25 THREADED (G 1 ½")	1x230 V ~	48	0,055-0,4		10.5	9	6.8	5.4	4.1	3.2	2	0.8		≤0,20	2.24	198		
EVOSTA2 145/130 SOL (1/2")	60188452	130	DN15 THREADED (G 1")	1x230 V ~	59	0,07-0,5		14.3	10.2	8.2	6.2	5	3.8	2.2	1.2		≤0,20	1.91	198		
EVOSTA2 145/130 SOL (1")	60188429	130	DN25 THREADED (G 1 ½")	1x230 V ~	59	0,07-0,5		14.3	10.2	8.2	6.2	5	3.8	2.2	1.2		≤0,20	2.07	198		
EVOSTA2 145/180 SOL (1")	60188432	180	DN25 THREADED (G 1 ½")	1x230 V ~	59	0,07-0,5		14.3	10.2	8.2	6.2	5	3.8	2.2	1.2		≤0,20	2.24	198		

MODEL	CODE	CENTRE DISTANCE mm	PUMP COUP.	ELECTRICAL DATA			HYDRAULIC DATA												EEI	WEIGHT KG	QTY PER PALLET
				POWER SUPPLY 50/60 Hz	P1 MAX W	In A	Q=m³/h	0	0.5	1	1.5	2	2.5	3	3.5	4					
							Q=l/min	0	8	16	25	33	40	50	60	66					
EVOSTA2 75/130 SOL PWM (1/2")	60188453	130	DN15 THREADED (G 1")	1x230 V ~	47	0,07-0,4	H (m)	7.5	7.5	6.2	5.1	4.2	3.4	2.5	1.7	0.9	≤0,20	1.96	198		
EVOSTA2 75/130 SOL PWM (1")	60188443	130	DN25 THREADED (G 1 ½")	1x230 V ~	47	0,07-0,4		7.5	7.5	6.2	5.1	4.2	3.4	2.5	1.7	0.9	≤0,20	2.12	198		
EVOSTA2 75/180 SOL PWM (1")	60188444	180	DN25 THREADED (G 1 ½")	1x230 V ~	47	0,07-0,4		7.5	7.5	6.2	5.1	4.2	3.4	2.5	1.7	0.9	≤0,20	2.29	198		
EVOSTA2 105/130 SOL PWM (1/2")	60188454	130	DN15 THREADED (G 1")	1x230 V ~	48	0,055-0,4		10.5	9	6.8	5.4	4.1	3.2	2	0.8		≤0,20	1.96	198		
EVOSTA2 105/130 SOL PWM (1")	60188445	130	DN25 THREADED (G 1 ½")	1x230 V ~	48	0,055-0,4		10.5	9	6.8	5.4	4.1	3.2	2	0.8		≤0,20	2.12	198		
EVOSTA2 105/180 SOL PWM (1")	60188447	180	DN25 THREADED (G 1 ½")	1x230 V ~	48	0,055-0,4		10.5	9	6.8	5.4	4.1	3.2	2	0.8		≤0,20	2.29	198		
EVOSTA2 145/130 SOL PWM (1/2")	60188455	130	DN15 THREADED (G 1")	1x230 V ~	59	0,07-0,5		14.3	10.2	8.2	6.2	5	3.8	2.2	1.2		≤0,20	1.96	198		
EVOSTA2 145/130 SOL PWM (1")	60188448	130	DN25 THREADED (G 1 ½")	1x230 V ~	59	0,07-0,5		14.3	10.2	8.2	6.2	5	3.8	2.2	1.2		≤0,20	2.12	198		
EVOSTA2 145/180 SOL PWM (1")	60188449	180	DN25 THREADED (G 1 ½")	1x230 V ~	59	0,07-0,5		14.3	10.2	8.2	6.2	5	3.8	2.2	1.2		≤0,20	2.29	198		

EVOSTA 2 SAN V, R

ELECTRONIC WET-ROTOR CIRCULATORS



EVOSTA 2

SAN V/R

DAB's Evosta 2 San is a wet-rotor circulator designed to circulate domestic hot water in small systems in domestic and residential installations.

Synchronous motor. Threaded suction and delivery ports. Brass pump body.

V versions with fittings with built-in non-return valve and ball gate valve, R versions with threads without non-return valve and gate valve.

Consistent energy savings, the circulator consumes only 7 W.

Operating range

0 - 0.6 m³/h with head up to 1.1 metres.

Liquid temperature range

+2 °C to +75 °C.

Working pressure 10 bar (1000 kPa).

Protection degree IP42.

Motor insulation class II.

Installation

fixed with horizontal motor shaft.

Standard power supply

single-phase 1x 230 V/50/60 Hz.

Pumped liquid clean, free of solids and mineral oils, non-viscous, chemically neutral.



ONLINE
TRAINING

ACCESSORIES
PAGE 77

MODEL	CODE	CENTRE DISTANCE mm	PUMP COUP.	ELECTRICAL DATA			HYDRAULIC DATA								WEIGHT KG	QTY PER PALLET
				POWER SUPPLY 50/60 Hz	P1 MAX W	In A	Q=m³/h	0	0.1	0.2	0.3	0.4	0.5	0.6		
EVOSTA2 11/85 SAN R1/2" CIRC.	60187267	85	G 1/2" internal thread	1x115-230V~ 50/60 Hz	7	0.07	Q=l/min	0	1.6	3.3	5.0	6.6	8.3	10		
EVOSTA2 11/139 SAN V CIRC.	60187268	139	G 1" external thread	1x115-230V~ 50/60 Hz	7	0.07	H (m)	1.1	1	0.87	0.73	0.58	0.4	0.23	1.06	200
								1.1	0.93	0.76	0.59	0.4	0.23	0.7	1.26	200

GROUPING: F9

EVOSTA 2 SAN

ELECTRONIC WET-ROTOR CIRCULATORS



EVOSTA 2

SAN

DAB's Evosta 2 San is an electronic wet-rotor circulator designed to circulate domestic hot water in systems in domestic and residential installations.

The permanent magnet synchronous motor and variable frequency drive electronics automatically adapt performance to system demands, saving energy and protecting against water hammer.

Easy to set up: a sequential button allows you to scroll through the nine operating modes, three proportional pressure, three constant pressure, three constant speed curves.

All models have a brass air vent plug and allow manual release of the motor shaft. Threaded suction and delivery ports. Bronze pump body. Electronics protected against water ingress with IPX5 protection. No overload protection required.

The calcium removal cartridge included keeps the motor shaft in perfect condition, preventing the normal limescale build-up that can occur inside the circulator if air bubbles are present during initial installation.

Operating range

0.4 to 4.2 m³/h with head up to 8 metres.

Liquid temperature range

-10 °C to +110 °C.

Working pressure 10 bar (1000 kPa).

Protection degree IPX5.

Insulation class F.

Installation

fixed with horizontal motor shaft.

Standard power supply

single-phase 1x 230 V/50/60 Hz

Pumped liquid clean, free of solids and mineral oils, non-viscous, chemically neutral, close to the characteristics of water.



ONLINE
TRAINING

ACCESSORIES
PAGE 77

MODEL	CODE	CENTRE DISTANCE mm	PUMP COUP.	ELECTRICAL DATA			HYDRAULIC DATA								WEIGHT KG	QTY PER PALLET
				POWER SUPPLY 50/60 Hz	P1 MAX W	In A	Q=m³/h	0	0.9	1.8	2.4	3.0	3.6	4.2		
EVOSTA2 40-70/150 SAN (1")	60186164	150	DN25 THREADED (G 1 1/2")	1x230V ~	35	0,043 - 0,32	Q=l/min	0	15	30	40	50	60	70		
EVOSTA2 80/150 SAN (1")	60186588	150	DN25 THREADED (G 1 1/2")	1x230V ~	55	0,053 - 0,47	H (m)	6.9	5.1	3.4	2.4	1.6	0.8		2.16	198
								8	7.2	5.4	4.2	3.2	2.1	1	2.16	198