EVAstream Surface

Technical specification





	EVAstream Surface 175	EVAstream Surface 225
Water flow capacity	35 - 175 m³/h (adjustable flow)	45 - 225 m³/h (adjustable flow)
Volume displacement	0,8 - 4,3 m/s	1,1 - 5,5 m/s
Thrust	0.9 - 21 kg	1.4 - 35 kg
Max. waterflow speed swimzone* *The swim pace is indicative. Your build, your position in the water and your stroke all help determine the resistance you experience as optimal.	2:15 min. per 100 meter	1:40 min. per 100 meter
Minimum pool dimensions	4,5 x 2,5 x 1,2 meter (LxWxH)	4,5 x 2,5 x 1,2 meter (LxWxH)
Salt electrolysis	0.3 - 0.4% (all components must be grounded)	0.3 - 0.4% (all components must be grounded)
Warranty	2 years factory warranty	2 years factory warranty
Turbine		
Number of turbines	1 turbine	1 turbine
Cable type	3x1x16 mm²	3x1x16 mm²
Cable length	8 or 16 meter, extendable to max. 35 meters with 16mm² extra fine wire	8 or 16 meter, extendable to max. 35 meters with 16mm² extra fine wire
IP rating	IPX8	IPX8
Motor type	Brushless motor	Brushless motor
Water temperature	1°C to 32°C	1°C to 32°C
Noise level	Very quiet	Very quiet
Motor Control Unit		
Dimensions	314 x 90 x 82 mm (LxWxH)	319 x 103 x 91 mm (LxWxH)
IP rating	IP 20	IP 20
Working temperature	0°C to 35°C, installed in a dry, condensation-free room	0°C to 35°C, installed in a dry, condensation-free room
Safety measures	Short circuit, overload, over voltage, over temperature, Voltage/current control, Mosfet temperature control	Short circuit, overload, over voltage, over temperature, Voltage/current control, Mosfet temperature control
Electrical specifications input		
Connection voltage (Vac)	90-264 Vac	90-264 Vac
Frequency range	47 - 63 Hz	47 - 63 Hz
Nominal current (A)	3A 230 Vac	4A 230 Vac
Power consumption VA (PF > 0.95)	600W	900W
Standby power consumption (W)	5W	5W
PPM input	PPM1	PPM2
Electrical specifications output		
Turbine output	BLDC	BLDC
Turbine connection power supply	3x1x16 mm²	3x1x16 mm²
Nominal voltage (Vdc)	24 Vdc	24 Vdc
Nominal current (A)	23A	35A

EVAstream Surface

Technical specification





	EVAstream Surface 275	EVAstream Surface 350
Water flow capacity	55 - 275 m³/h (adjustable flow)	70 - 350 m³/h (adjustable flow)
Volume displacement	1,3 - 6,7 m/s	1,7 - 8,6 m/s
Thrust	2.1 - 52 kg	2.9 - 85 kg
Max. waterflow speed swimzone* *The swim pace is indicative. Your build, your position in the water and your stroke all help determine the resistance you experience as optimal.	1:25 min. per 100 meter	1:10 min. per 100 meter
Minimum pool dimensions	4,5 x 2,5 x 1,2 meter (LxWxH)	4,5 x 2,5 x 1,2 meter (LxWxH)
Salt electrolysis	0.3 - 0.4% (all components must be grounded)	0.3 - 0.4% (all components must be grounded)
Warranty	2 years factory warranty	2 years factory warranty

Turbine

Number of turbines	1 turbine	1 turbine
Cable type	3x1x16 mm²	3x1x16 mm²
Cable length	8 or 16 meter, extendable to max. 30 meters with 16mm² extra fine wire	8 or 16 meter, extendable to max. 25 meters with 16mm² extra fine wire
IP rating	IPX8	IPX8
Motor type	Brushless motor	Brushless motor
Water temperature	1°C to 32°C	1°C to 32°C
Noise level	Very quiet	Very quiet

Motor Control Unit

Dimensions	380 x 90 x 96 mm (LxWxH)	380 x 90 x 96 mm (LxWxH)
IP rating	IP 20	IP 20
Working temperature	0°C to 35°C, installed in a dry, condensation-free room	0°C to 35°C, installed in a dry, condensation-free room
Safety measures	Short circuit, overload, over voltage, over temperature, Voltage/current control, Mosfet temperature control	Short circuit, overload, over voltage, over temperature, Voltage/current control, Mosfet temperature control

Electrical specifications input

Connection voltage (Vac)	90-264 Vac	90-264 Vac
Frequency range	47 - 63 Hz	47 - 63 Hz
Nominal current (A)	6A 230 Vac	8A 230 Vac
Power consumption VA (PF > 0.95)	1300W	1700W
Standby power consumption (W)	40W	40W
PPM input	PPM2	PPM2

Electrical specifications output

Turbine output	BLDC	BLDC
Turbine connection power supply	3x1x16 mm²	3x1x16 mm²
Nominal voltage (Vdc)	24 Vdc	24 Vdc
Nominal current (A)	50A	65A

EVAstream Surface

Technical specification





	EVAstream Surface 450	EVAstream Surface 550
Water flow capacity	90 - 450 m³/h (adjustable flow)	110 - 550 m³/h (adjustable flow)
Volume displacement	2x 1,1 - 5,5 m/s	2x 1,3 - 6,7 m/s
Thrust	2.8 - 70 kg	4.2 - 104 kg
Max. waterflow speed swimzone* *The swim pace is indicative. Your build, your position in the water and your stroke all help determine the resistance you experience as optimal.	1:15 min. per 100 meter	1:05 min. per 100 meter
Minimum pool dimensions	4,5 x 2,5 x 1,2 meter (LxWxH)	4,5 x 2,5 x 1,2 meter (LxWxH)
Salt electrolysis	0.3 - 0.4% (all components must be grounded)	0.3 - 0.4% (all components must be grounded)
Warranty	2 years factory warranty	2 years factory warranty

Turbine

Number of turbines	2 turbines	2 turbines
Cable type	3x1x16 mm²	3x1x16 mm²
Cable length	8 or 16 meter, extendable to max. 25 meters with 16mm² extra fine wire	8 or 16 meter, extendable to max. 25 meters with 16mm² extra fine wire
IP rating	IPX8	IPX8
Motor type	Brushless motor	Brushless motor
Water temperature	1°C to 32°C	1°C to 32°C
Noise level	Very quiet	Very quiet

Motor Control Unit

Dimensions	360 x 182 x 117 mm (LxWxH)	360 x 182 x 117 mm (LxWxH)
IP rating	IP 20	IP 20
Working temperature	0°C to 35°C, installed in a dry, condensation-free room	0°C to 35°C, installed in a dry, condensation-free room
Safety measures	Short circuit, overload, over voltage, over temperature, Voltage/current control, Mosfet temperature control	Short circuit, overload, over voltage, over temperature, Voltage/current control, Mosfet temperature control

Electrical specifications input

Connection voltage (Vac)	180-264 Vac	180-264 Vac
Frequency range	47 - 63 Hz	47 - 63 Hz
Nominal current (A)	9A 230 Vac	12A 230 Vac
Power consumption VA (PF > 0.95)	1800W	2600W
Standby power consumption (W)	80W	80W
PPM input	PPM2	PPM2

Electrical specifications output

Turbine output	BLDC	BLDC
Turbine connection power supply	3x1x16 mm²	3x1x16 mm²
Nominal voltage (Vdc)	24 Vdc	24 Vdc
Nominal current (A)	2x 35A	2x 50A

EVAstream Surface

Technical specification



	EVAstream Surface 700
Water flow capacity	140 - 700 m³/h (adjustable flow)
Volume displacement	2x 1,7 - 8,6 m/s
Thrust	5.9 - 170 kg
Max. waterflow speed swimzone* *The swim pace is indicative. Your build, your position in the water and your stroke all help determine the resistance you experience as optimal.	0:50 min. per 100 meter
Minimum pool dimensions	4,5 x 2,5 x 1,2 meter (LxWxH)
Salt electrolysis	0.3 - 0.4% (all components must be grounded)
Warranty	2 years factory warranty

Turbine

Number of turbines	2 turbines
Cable type	3x1x16 mm²
Cable length	8 or 16 meter, extendable to max. 25 meters with 16mm² extra fine wire
IP rating	IPX8
Motor type	Brushless motor
Water temperature	1°C to 32°C
Noise level	Very quiet

Motor Control Unit

Number of Motor Control Units	2 Motor Control Units
Dimensions	380 x 90 x 96 mm (LxWxH)
IP rating	IP 20
Working temperature	0°C to 35°C, installed in a dry, condensation-free room
Safety measures	Short circuit, overload, over voltage, over temperature, Voltage/current control, Mosfet temperature control

Electrical specifications input

Connection voltage (Vac)	90-264 Vac
Frequency range	47 - 63 Hz
Nominal current (A)	8A 230 Vac
Power consumption VA (PF > 0.95)	1700W
Standby power consumption (W)	40W
PPM input	PPM2

Electrical specifications output

Turbine output	BLDC
Turbine connection power supply	3x1x16 mm²
Nominal voltage (Vdc)	24 Vdc
Nominal current (A)	2x 65A