

EVastream specifications

Recreational swimmer

EVastream NEXT 175



EVastream NEXT 225



Recommended use	Recreational swimmer	Recreational swimmer
Flow capacity	35 - 175 m ³ /h (adjustable flow)	45 - 225 m ³ /h (adjustable flow)
Water flow speed	0,8 - 4,3 m/s	1,1 - 5,5 m/s
Swim speed in swimzone	2:15 sec. per 100 meter	1:40 sec. per 100 meter
Minimum pool dimensions	4,5 x 2,5 meter (LxW)	4,5 x 2,5 meter (LxW)
Warranty	2-3 years factory warranty*	2-3 years factory warranty*

* Register your product at www.evaoptic.com for 3 years warranty

Motor Control Unit

Dimensions	284 x 90 x 82 mm (LxWxH)	290 x 105 x 91 mm (LxWxH)
IP rating	IP 20	IP 20
Working temperature	-20°C to 32°C, dry and condensation-free area	-20°C to 32°C, dry and condensation-free area
Safety measures	Short circuit, overload, over voltage, over temperature, EVA Torque control, 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 mm ²	3x1x16 mm ²
Nominal voltage (Vdc)	24 Vdc	24 Vdc
Nominal current (A)	23A	35A

Turbine

Number of turbines	1 turbine	1 turbine
Cable type	3x1x16 mm ²	3x1x16 mm ²
Cable length	8 meter, extendable to max. 35 meters	8 meter, extendable to max. 35 meters
IP rating	IPX8	IPX8
Motor type	Brushless motor	Brushless motor
Water temperature	5°C to 35°C	5°C to 35°C

EVastream specifications

Experienced swimmer

EVastream NEXT 275



EVastream NEXT 450



Recommended use	Experienced swimmer	Experienced swimmer
Flow capacity	55 - 275 m ³ /h (adjustable flow)	90 - 450 m ³ /h (adjustable flow)
Water flow speed	1,3 - 6,7 m/s	2x 1,1 - 5,5 m/s
Swim speed in swimzone	1:25 sec. per 100 meter	1:15 sec. per 100 meter
Minimum pool dimensions	4,5 x 2,5 meter (LxW)	4,5 x 2,5 meter (LxW)
Warranty	2-3 years factory warranty*	2-3 years factory warranty*

* Register your product at www.evaoptic.com for 3 years warranty

Motor Control Unit

Dimensions	380 x 90 x 96 mm (LxWxH)	360 x 182 x 117 mm (LxWxH)
IP rating	IP 20	IP 20
Working temperature	-20°C to 32°C, dry and condensation-free area	-20°C to 32°C, dry and condensation-free area
Safety measures	Short circuit, overload, over voltage, over temperature, EVA Torque control, Voltage/current control, Mosfet temperature control	

Electrical specifications input

Connection voltage (Vac)	90-264 Vac	180-264 Vac
Frequency range	47 - 63 Hz	47 - 63 Hz
Nominal current (A)	6A 230 Vac	9A 230 Vac
Power consumption VA (PF > 0.95)	1300W	1800W
Standby power consumption (W)	40W	80W
PPM input	PPM2	PPM2

Electrical specifications output

Turbine output	BLDC	BLDC
Turbine connection power supply	3x1x16 mm ²	3x1x16 mm ²
Nominal voltage (Vdc)	24 Vdc	24 Vdc
Nominal current (A)	50A	2x 35A
Output power sharing	24 Vdc 100W	24 Vdc 100W

Turbine

Number of turbines	1 turbine	2 turbines
Cable type	3x1x16 mm ²	3x1x16 mm ²
Cable length	8 meter, extendable to max. 30 meters	8 meter, extendable to max. 25 meters
IP rating	IPX8	IPX8
Motor type	Brushless motor	Brushless motor
Water temperature	5°C to 35°C	5°C to 35°C

EVAstream specifications

Professional swimmer

EVAstream NEXT 350



EVAstream NEXT 550



Recommended use	Professional swimmer	Professional swimmer
Flow capacity	70 - 350 m ³ /h (adjustable flow)	110 - 550 m ³ /h (adjustable flow)
Water flow speed	1,7 - 8,6 m/s	2x 1,3 - 6,7 m/s
Swim speed in swimzone	1:10 sec. per 100 meter	1:05 sec. per 100 meter
Minimum pool dimensions	4,5 x 2,5 meter (LxW)	4,5 x 2,5 meter (LxW)
Warranty	2-3 years factory warranty*	2-3 years factory warranty*

* Register your product at www.evaoptic.com for 3 years warranty

Motor Control Unit

Dimensions	380 x 90 x 96 mm (LxWxH)	360 x 182 x 117 mm (LxWxH)
IP rating	IP 20	IP 20
Working temperature	-20°C to 32°C, dry and condensation-free area	-20°C to 32°C, dry and condensation-free area
Safety measures	Short circuit, overload, over voltage, over temperature, EVA Torque control, Voltage/current control, Mosfet temperature control	

Electrical specifications input

Connection voltage (Vac)	90-264 Vac	180-264 Vac
Frequency range	47 - 63 Hz	47 - 63 Hz
Nominal current (A)	8A 230 Vac	12A 230 Vac
Power consumption VA (PF > 0.95)	1700W	2600W
Standby power consumption (W)	40W	80W
PPM input	PPM2	PPM2

Electrical specifications output

Turbine output	BLDC	BLDC
Turbine connection power supply	3x1x16 mm ²	3x1x16 mm ²
Nominal voltage (Vdc)	24 Vdc	24 Vdc
Nominal current (A)	65A	2x 50A

Turbine

Number of turbines	1 turbine	2 turbines
Cable type	3x1x16 mm ²	3x1x16 mm ²
Cable length	8 meter, extendable to max. 25 meters	8 meter, extendable to max. 25 meters
IP rating	IPX8	IPX8
Motor type	Brushless motor	Brushless motor
Water temperature	5°C to 35°C	5°C to 35°C

EVAstream

Safety standards

Safety standards EVAstream turbine

EVAstream was built for speed and safety. Safety measures were taken to ensure safety of fingers, toes and also hair. EVAstream complies to safety standards DIN EN16582-1/2/3, EN16713-2 (residential pools) and EN13451-1/3 (commercial pools).

Safety standards Power Supply Unit

SELV, UL62368-1, CSA C22.2 No. 62368-1, TUV EN62368-1 + A11, EAC TP TC 004, BSMI CNS14336-1 approved, EN55032 (CISPR32) Class A/B, EN61000-3-2/3, EN61000-4-2/3/4/5/6/8/11, EN55024 , EN61204-3, EN61000-6-2, BSMI CNS13438.