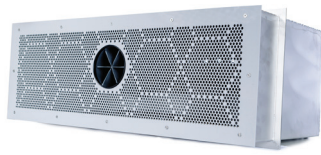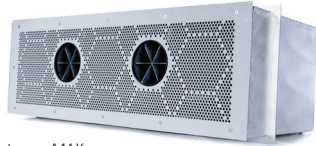# EVAstream | Recessed Mounted
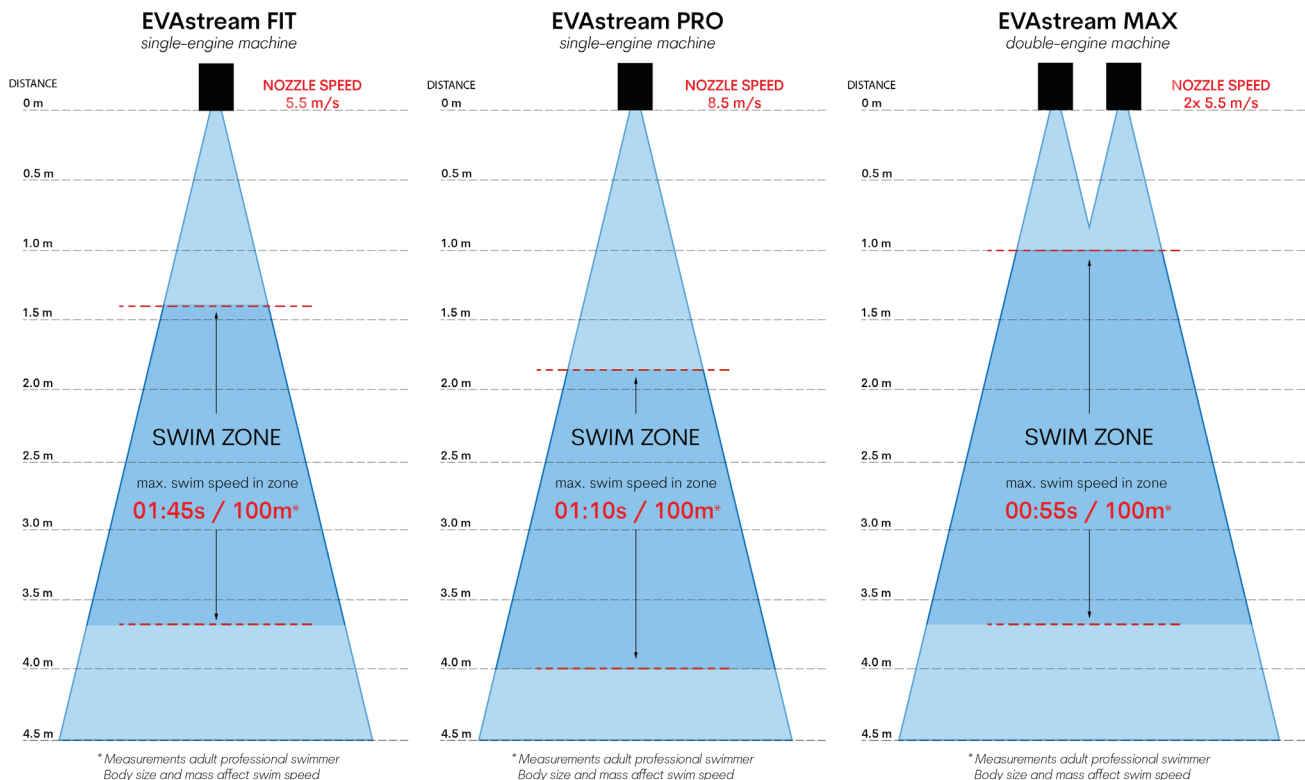## Counter-Current Swimming Machine

EVA

EVAstream FIT/PRO

EVAstream MAX

EVAstream is the most compact and the most powerful counter-current swimming machine on the market. With the EVAstream you can enjoy swimming & exercising in your pool, all year round.

	EVAstream FIT	EVAstream PRO	EVAstream MAX
Configuration machine	Single-engine machine	Single-engine machine	Double-engine machine
Minimum pool dimensions	L: 4.50 m W: 3.00 m	L: 5.50 m W: 3.00 m	L: 4.50 m W: 3.00 m
Water temperature	5ºC to 35ºC	5ºC to 35ºC	5ºC to 35ºC
IP Rating	IPX	IPX	IPX
Cable type	3x 1x16mm²	3x 1x16mm²	6x 1x16mm²
Cable length	Standard cable length 5m. Extend with 3x1x25mm² (FIT/PRO) / 6x1x25mm² (MAX) cable. Max. length 25m.		
Safety standards & measures	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).		
Warranty	2 years factory warranty	2 years factory warranty	2 years factory warranty
Recommended use	Recreational swimmer	Experienced swimmer	Maximum swimming experience. Most powerful EVAstream, largest swim zone
Flow rate capacity	Max. 225 m³/h (adjustable flow)	Max. 350 m³/h (adjustable flow)	Max. 2x 225 m³/h (adjustable flow)
Max. water speed at outlet	5.5 m/s	8.5 m/s	2x 5.5 m/s
Max. swim speed in swim zone	01:45 seconds per 100m	01:10 seconds per 100m	00:55 seconds per 100m

EVAstream FIT
single-engine machine

DISTANCE

0 m	NOZZLE SPEED 5.5 m/s
0.5 m	
1.0 m	
1.5 m	
2.0 m	
2.5 m	SWIM ZONE
3.0 m	max. swim speed in zone **01:45s / 100m***
3.5 m	
4.0 m	
4.5 m	

* Measurements adult professional swimmer
Body size and mass affect swim speed

EVAstream PRO
single-engine machine

DISTANCE

0 m	NOZZLE SPEED 8.5 m/s
0.5 m	
1.0 m	
1.5 m	
2.0 m	
2.5 m	SWIM ZONE
3.0 m	max. swim speed in zone **01:10s / 100m***
3.5 m	
4.0 m	
4.5 m	

* Measurements adult professional swimmer
Body size and mass affect swim speed

EVAstream MAX
double-engine machine

DISTANCE

0 m	NOZZLE SPEED 2x 5.5 m/s
0.5 m	
1.0 m	
1.5 m	
2.0 m	
2.5 m	SWIM ZONE
3.0 m	max. swim speed in zone **00:55s / 100m***
3.5 m	
4.0 m	
4.5 m	

* Measurements adult professional swimmer
Body size and mass affect swim speed

EVAstream | Recessed Mounted
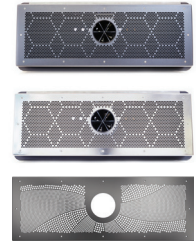## Counter-Current Swimming Machine

EVA

NICHE
W: 950mm x H: 330mm x D: 450mm - details in manual!

- Niche Wide Polypropylene
  (WDX1-A01-PP)
- Niche Wide Polyethylene
  (WDX1-A01-PE)
- Niche Wide Stainless Steel 316 (WDX1-A01-SS)

FRONT PLATE
W: 960mm x H: 340mm x D: 18mm - details in manual!

- Front Plate Wide Hexagone ABS Anthracite
  (WDX1-A02-ABS-HEX)
- Front Plate Wide Hexagone ABS White
  (WDX1-A02-ABS-HEX01)
- Front Plate Wide Hexagone Stainless Steel 316
  (WDX1-A02-SS-HEX)
- Front Plate Wide Wave Stainless Steel 316
  (WDX1-A02-SS-WAVE)

AC/DC POWER SUPPLY		EVAstream FIT	EVAstream PRO	EVAstream MAX
Input	Voltage range	180-264Vac 254-370Vdc	180-264Vac 254-370Vdc	180-264Vac 254-370Vdc
	Frequency range	47-63Hz	47-63Hz	47-63Hz
	AC current (230VAC)	5.5A	9A	11A
	Nominal power	1200VA	2000VA	2400VA
	Power factor (type)	>0.9	>0.9	>0.9
Output	DC bus voltage (stabilized)	26Vdc	28Vdc	28Vdc
	DC bus current	46A	71A	86A
Protections	Short circuit, overload, over voltage, over temperature			
Safety standards	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.			

MOTOR CONTROL UNIT		EVAstream FIT	EVAstream PRO	EVAstream MAX
Input	Control input	DMX512	DMX512	DMX512
Output	Motor PMSM 3xDC	RPM range 10-100%	RPM range 10-100%	RPM range 10-100%
Housing	Dimensions	660 x 185 x 115 mm (cable gland on bottom)	660 x 185 x 115 mm (cable gland on bottom)	660 x 220 x 115 mm (cable gland on bottom)
	IP rating	IP20	IP20	IP20
	Working temperature	Max. 32ºC, mount in a dry and condensation-free area		
	Safety measures	EVA Torque control, Voltage/current control, Mosfet temperature control		

CONTROL OPTIONS

Control inside the pool

- 1x Piezo switch
  (push = speed up 10%)
- 2x Piezo switch
  (on/off and speed +/-)
- 3x Piezo switch
  Basic setting (on/off, speed +/-, underwater lights dimming & switch colour)
  Advanced setting (on/off, speed +/-, user selection for 3 preset training sessions, underwater lights dimming & switch colour)

Control outside the pool

- DMX controller basic EC1
- DMX controller advanced EVO
  The advanced DMX EVO controller contains preset swim training programs:
  - Basic build-up program with 10 training sessions (interval, sprint and endurance)
  - Sprint program with 5 sprint training sessions
  - Endurance program with 5 endurance training sessions
  Synchronize EVA's RGBW underwater lights for the full training experience. The underwater lights provide smart guidance and motivation throughout each training session!

DMX controller basic EC1

DMX controller advanced EVO

Piezo switches