

# EVAstream

## Factsheet - Recreational swimmer



|                               | EVAstream Next 175                           | EVAstream Next 225                           |
|-------------------------------|----------------------------------------------|----------------------------------------------|
| Water flow capacity           | 35 - 175 m <sup>3</sup> /h (adjustable flow) | 45 - 225 m <sup>3</sup> /h (adjustable flow) |
| Volume displacement           | 0,8 - 4,3 m/s                                | 1,1 - 5,5 m/s                                |
| Max. waterflow speed swimzone | 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                     |

### 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                                                      |
| Noise level (distance 1m at 100% power) | 31 dB                                                                                                        | 31 dB                                                                                                        |
| 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 mm <sup>2</sup> | 3x1x16 mm <sup>2</sup> |
| Nominal voltage (Vdc)           | 24 Vdc                 | 24 Vdc                 |
| Nominal current (A)             | 23A                    | 35A                    |

### Turbine

|                                         |                                                                                    |                                                                                    |
|-----------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| Number of turbines                      | 1 turbine                                                                          | 1 turbine                                                                          |
| Cable type                              | 3x1x16 mm <sup>2</sup>                                                             | 3x1x16 mm <sup>2</sup>                                                             |
| Cable length                            | 8 or 16 meter, extendable to max. 35 meters with 16mm <sup>2</sup> extra fine wire | 8 or 16 meter, extendable to max. 35 meters with 16mm <sup>2</sup> 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 (distance 1m at 100% power) | 29 dB                                                                              | 29 dB                                                                              |

# EVAstream

## Factsheet - Experienced swimmer



|                               | EVAstream Next 275                           | EVAstream Next 450                           |
|-------------------------------|----------------------------------------------|----------------------------------------------|
| Water flow capacity           | 55 - 275 m <sup>3</sup> /h (adjustable flow) | 90 - 450 m <sup>3</sup> /h (adjustable flow) |
| Volume displacement           | 1,3 - 6,7 m/s                                | 2x 1,1 - 5,5 m/s                             |
| Max. waterflow speed swimzone | 1:25 min. per 100 meter                      | 1:15 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                     |

### 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                     | 0°C to 35°C, installed in a dry, condensation-free room                                                      | 0°C to 35°C, installed in a dry, condensation-free room                                                      |
| Noise level (distance 1m at 100% power) | 38 dB                                                                                                        | 38 dB                                                                                                        |
| 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 | 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 <sup>2</sup> | 3x1x16 mm <sup>2</sup> |
| Nominal voltage (Vdc)           | 24 Vdc                 | 24 Vdc                 |
| Nominal current (A)             | 50A                    | 2x 35A                 |

### Turbine

|                                         |                                                                                    |                                                                                    |
|-----------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| Number of turbines                      | 1 turbine                                                                          | 2 turbines                                                                         |
| Cable type                              | 3x1x16 mm <sup>2</sup>                                                             | 3x1x16 mm <sup>2</sup>                                                             |
| Cable length                            | 8 or 16 meter, extendable to max. 30 meters with 16mm <sup>2</sup> extra fine wire | 8 or 16 meter, extendable to max. 25 meters with 16mm <sup>2</sup> 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 (distance 1m at 100% power) | 29 dB                                                                              | 32 dB                                                                              |

# EVAstream

## Factsheet - Professional swimmer



|                               | EVAstream Next 350                           | EVAstream Next 550                            |
|-------------------------------|----------------------------------------------|-----------------------------------------------|
| Water flow capacity           | 70 - 350 m <sup>3</sup> /h (adjustable flow) | 110 - 550 m <sup>3</sup> /h (adjustable flow) |
| Volume displacement           | 1,7 - 8,6 m/s                                | 2x 1,3 - 6,7 m/s                              |
| Max. waterflow speed swimzone | 1:10 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                      |

### 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                     | 0°C to 35°C, installed in a dry, condensation-free room                                                      | 0°C to 35°C, installed in a dry, condensation-free room                                                      |
| Noise level (distance 1m at 100% power) | 38 dB                                                                                                        | 41 dB                                                                                                        |
| 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 | 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 <sup>2</sup> | 3x1x16 mm <sup>2</sup> |
| 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 <sup>2</sup>                                                             | 3x1x16 mm <sup>2</sup>                                                             |
| Cable length                            | 8 or 16 meter, extendable to max. 25 meters with 16mm <sup>2</sup> extra fine wire | 8 or 16 meter, extendable to max. 25 meters with 16mm <sup>2</sup> 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 (distance 1m at 100% power) | 32 dB                                                                              | 32 dB                                                                              |