

BADU[®] Eco Drive II

It's all go. Compact frequency converter for optimal working conditions.

Field of application

The BADU Eco Drive II frequency converter is ideally suited for use with the BADU Prime 25 - BADU Prime 48, BADU Resort and BADU 93.

Mode of operation

There are various operating conditions in pool water treatment, for example filtering - pool water circulation - backwashing and rinsing. Depending on pipe friction loss and filter speed, different operating points have to be set. This can be ensured conveniently by controlling the pump's operating points via a frequency converter. Therefore the pump's motor speed is electronically adjusted as necessary.

Performance characteristics

- Unnecessary energy loss, e.g. through a shut-off valve, is avoided.
- Energy saving potential through adjustable flow rate, e.g. in public pools with low pool usage or outside pool operating hours.
- Pump is always run at its optimal and most economic operating point.

Control

The frequency converter offers a wide range of control options: direct control via buttons, digital inputs to approach fixed speeds or external control via the 0-10 V or 4-20 mA interface. It can therefore be integrated into building control systems. Relay output functions e.g. indicating operational readiness or motor overload, relay input functions e.g. "start" or "stop", PTC thermistor sensor evaluation and time functions round up its range of applications. Please check special on site requirements on the opposite page.

Technical data at 50 Hz	BADU Eco Drive II für	0.75 kW	1.50 kW	2.20 kW	4.00 kW	5.50 kW
Frequency		50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz
Voltage		3~ 380-480 V	3~ 380-480 V	3~ 380-480 V	3~ 380-480 V	3~ 380-480 V
Analogue input		0-10 V/4-20 mA	0-10 V/4-20 mA	0-10 V/4-20 mA	0-10 V/4-20 mA	0-10 V/4-20 mA
Cooling		ventilation	ventilation	ventilation	ventilation	ventilation
Max. ambient temperature		50 °C	50 °C	50 °C	50 °C	50 °C
Net weight (kg)		8.00	9.00	9.00	10.00	14.00

For more detailed information regarding device protection please see page 143.

Technical data may vary.

Article no	Description	Voltage
297.0075.412	Frequency converter BADU Eco Drive II for 0.75 kW	3~ 380-480 V
297.0150.412	Frequency converter BADU Eco Drive II for 1.50 kW	3~ 380-480 V
297.0220.412	Frequency converter BADU Eco Drive II for 2.20 kW	3~ 380-480 V
297.0400.412	Frequency converter BADU Eco Drive II for 4.00 kW	3~ 380-480 V
297.0550.412	Frequency converter BADU Eco Drive II for 5.50 kW	3~ 380-480 V
297.0000.001	Programming flat rate BADU Eco Drive II	

Further capacities on request.



Graphic display >



Performance

Characteristics calculated for the BADU Resort 70 at different frequencies.

Special on site requirements

- Protected cable between motor and frequency converter.
- We recommend providing a PTC thermistor sensor for the motor winding.
- We recommend not running the motor below 30 Hz.
- Residual current circuit breaker (type B).

