BADU® Eco Drive II

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

Field of application

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.

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

Performance characteristics

- Wide range of control options: direct control, digital inputs to approach fixed speeds , 0-10V or 4-20mA
- Various relay input functions and relay output functions.
- Unnecessary energy loss is avoided
- Pumps are always run at optimal and most economic operating point.
- Maximum energy saving potential through adjustable flow rate

Technical data at 50 Hz	BADU Eco Drive II	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

For more detailed information regarding device protection please see page 147

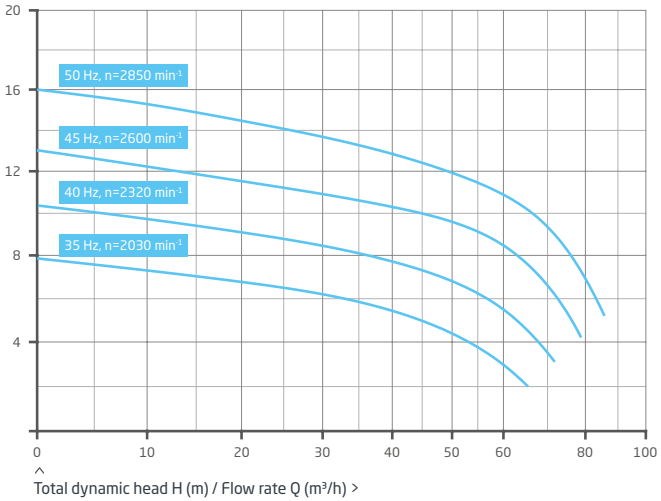
Technical data may vary.

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).