

BADU® Resort-PM

Synchronous drive for external control units.
Efficient circulation pump for large pools.

Field of application

Swimming pool water circulation through a filter system.
The pump can be installed max. 3 m above or below water level.

Design

Monoblock-type pump with integrated strainer tank.
The bellows-type mechanical seal is mounted on a plastic shaft protector sleeve. Motor/pump shaft has no contact with the pool water providing complete electrical separation.
Strainer tank capacity approx. 10 l
Strainer basket mesh size approx. 3.4 x 3.2 mm

Materials used

Pump casing PP GF 30
Intermediate housing PP TV 40
Gland housing PP TV 40
Diffuser PP GF 30
Impeller PPE GF 30/PP GF 30
Impeller nut PP GF 30
Strainer basket PP
Lid PC, transparent/PA 66 GF 30
Glue socket ABS
Mechanical seal carbon/ceramic/NBR
Screws stainless steel

Technical data at 50 Hz	BADU Resort	50-PM	70-PM	110-PM
Inlet Sa/outlet connection Da d		110/110	110/110	110/110
Rec. inlet/outlet pipe, PVC pipe, d		110/110	110/110	160/140
Power input P ₁ /output P ₂ ¹⁾ (kW)	3~ 400 V	3.28/3.00	3.28/3.00	5.93/5.50
Rated current (A)	3~ 400 V	5.10	5.10	8.90

For detailed information regarding the motor protection please see page 73.

Can only be operated with a frequency converter.

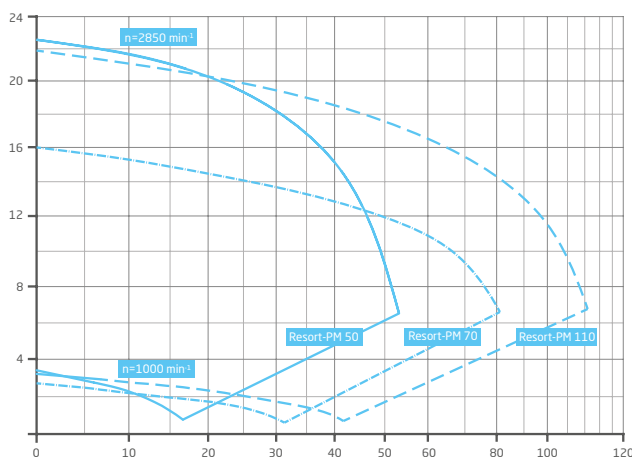
Article no	Type	Voltage	Power output P ₂
219.5508.137	BADU Resort 50-PM	3~ 400 V	3.00 kW
219.5708.137	BADU Resort 70-PM	3~ 400 V	3.00 kW
219.5118.137	BADU Resort 110-PM	3~ 400 V	5.50 kW
297.0075.402	Frequency converter BADU Eco Drive II for 0.75 kW	3~ 380-480 V	
297.0150.402	Frequency converter BADU Eco Drive II for 1.50 kW	3~ 380-480 V	
297.0220.402	Frequency converter BADU Eco Drive II for 2.20 kW	3~ 380-480 V	
297.0400.402	Frequency converter BADU Eco Drive II for 4.00 kW	3~ 380-480 V	
297.0550.402	Frequency converter BADU Eco Drive II for 5.50 kW	3~ 380-480 V	
297.0000.001	Programming flat rate for BADU Eco Drive II		

Opening device included in delivery.

The above-mentioned pumps can be used for swimming pool water with a salt concentration of up to 0.5 % i.e. 5 g/l.
Please contact us for higher salt concentrations.



Performance



^ Total dynamic head H (m) / Flow rate Q (m³/h) >

Dimensions

Detailed dimensions available on request or at badu.de

