

BADU® Prime

Established and reliable.
Premium circulation pump.

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. 3 l
Strainer basket mesh size approx. 3.2 x 2.6 mm

Materials used

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

Technical data at 50 Hz	BADU Prime	7	11	13	15	20
Inlet Sa/outlet connection Da Rp ²⁾		1½/1½	1½/1½	2/1½	2/1½	2/1½
Rec. inlet/outlet pipe, PVC pipe, d ⁴⁾		50/50	50/50	63/50	63/50	63/63
Power input P ₁ /output P ₂ ¹⁾ (kW)	1~ 230 V	0.50/0.30	0.69/0.45	0.87/0.55	1.10/0.75	1.40/1.00
Rated current (A)	1~ 230 V	2.40	3.00	4.00	5.20	6.70
Power input P ₁ /output P ₂ ¹⁾ (kW)	3~ Y/Δ 400/230 V	0.44/0.30	0.63/0.45	0.75/0.55	0.93/0.75	1.26/1.00
Rated current (A)	3~ Y/Δ 400/230 V	0.95/1.65	1.25/2.15	1.55/2.70	1.95/3.40	2.25/3.90
Net weight (kg)	1~/3~	10.00/9.00	10.00/10.00	11.00/11.50	13.00/12.00	16.50/13.50

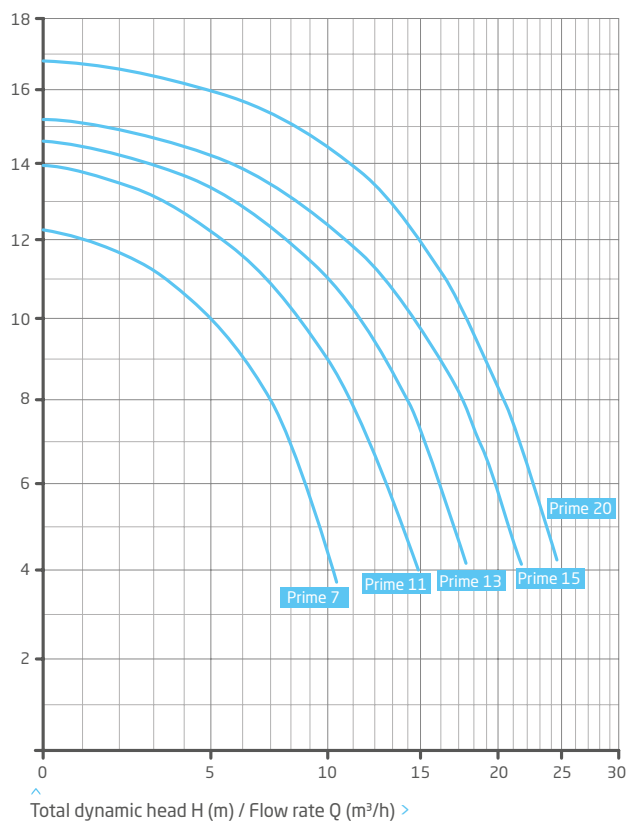
For more detailed information regarding the motor protection please see page 167.

Article no	Description	Voltage	Power output P ₂
219.0078.038	BADU Prime 7	1~ 230 V	0.30 kW
219.0118.038	BADU Prime 11	1~ 230 V	0.45 kW
219.0138.038	BADU Prime 13	1~ 230 V	0.55 kW
219.0158.038	BADU Prime 15	1~ 230 V	0.75 kW
219.0208.038	BADU Prime 20	1~ 230 V	1.00 kW
219.0078.037	BADU Prime 7	3~ Y/Δ 400/230 V	0.30 kW
219.0118.037	BADU Prime 11	3~ Y/Δ 400/230 V	0.45 kW
219.0138.037	BADU Prime 13	3~ Y/Δ 400/230 V	0.55 kW
219.0158.037	BADU Prime 15	3~ Y/Δ 400/230 V	0.75 kW
219.0208.037	BADU Prime 20	3~ Y/Δ 400/230 V	1.00 kW

Universal opening device included in delivery. See page 154.

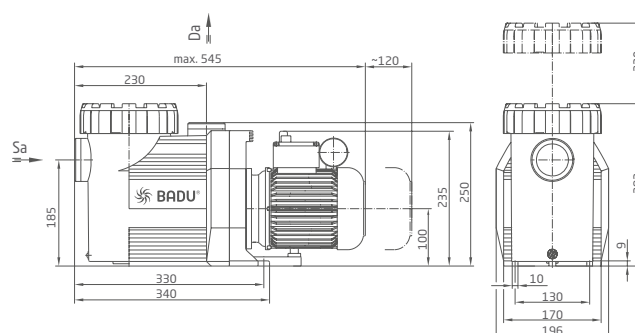


Performance



Dimensions

Detailed dimensions available on request or at badu.de



BADU[®] Prime

Highly efficient. With a motor suitable for use with a frequency converter.
For large pools, swimming baths and solar panel units.

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. 6 l
Strainer basket mesh size approx. 3.0 x 2.8 mm

Materials used

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

Technical data at 50 Hz	BADU Prime	25	30	40	48
Inlet Sa/outlet connection Da d ²⁾		75/75	75/75	90/90	90/90
Rec. inlet/outlet pipe, PVC pipe, d ⁴⁾		75/75	75/75	90/90	110/110
Power input P ₁ /output P ₂ ¹⁾ (kW)	1~ 230 V	1.85/1.30	2.00/1.50	2.90/2.20	3.45/2.60
Rated current (A)	1~ 230 V	7.70	8.80	13.00	15.00
Power input P ₁ /output P ₂ ¹⁾ (kW)	3~ Y/Δ 400/230 V	1.55/1.30	1.77/1.50	2.55/2.20	3.00/2.60
Rated current (A)	3~ Y/Δ 400/230 V	2.95/5.10	3.30/5.72	4.60/8.00	5.50/9.50
Net weight (kg)	1~/3~	25.00/27.00	24.00/27.00	26.00/34.00	36.00/34.00

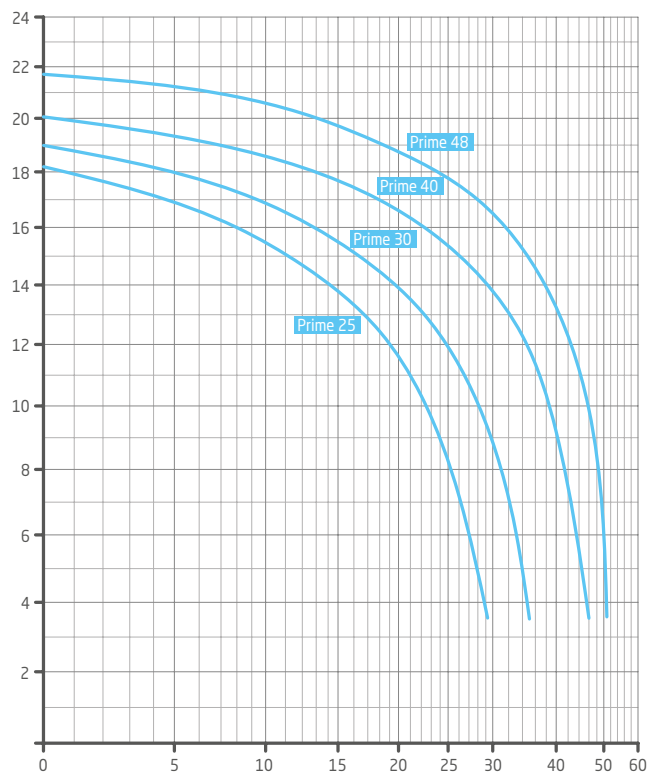
For more detailed information regarding the motor protection please see page 167.

Article no	Description	Voltage	Power output P ₂
219.0258.038	BADU Prime 25	1~ 230 V	1.30 kW
219.0308.038	BADU Prime 30	1~ 230 V	1.50 kW
219.0408.038	BADU Prime 40	1~ 230 V	2.20 kW
219.0488.038	BADU Prime 48	1~ 230 V	2.60 kW
219.0258.037	BADU Prime 25	3~ Y/Δ 400/230 V	1.30 kW
219.0308.037	BADU Prime 30	3~ Y/Δ 400/230 V	1.50 kW
219.0408.037	BADU Prime 40	3~ Y/Δ 400/230 V	2.20 kW
219.0488.037	BADU Prime 48	3~ Y/Δ 400/230 V	2.60 kW

Three-way opening device included in delivery. See page 154.



Performance



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

Dimensions

Detailed dimensions available on request or at badu.de

