

BADU® Powerstar

**Dry set-up, corrosion-resistant, robust material.
Durable propeller pump in compact design.**

Field of application

Circulation/water treatment in aquaculture for large volumes of water at low head.

Design

The BADU Powerstar propeller pump is a single stage, non-self-priming elbow pump with an axial impeller.

The pump can be installed vertically and horizontally.

The bellows-type mechanical seal is mounted on a plastic shaft protector sleeve.

Motor/pump shaft has no contact with the water in the circuit, providing complete electrical separation.

Technical data at 50 Hz

Flow rate	Q up to max. 250 m³/h
Dynamic head	H up to 5 m
Water temperature	t max. 40 °C
Maximum operating pressure	p 2.5 bar
Speed variables	n approx. 3000 rpm
Rec. inlet/outlet pipe	DN 200/DN 200

Construction size

BADU Powerstar	DND 150/DNS 150
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Materials used

Pump casing	PP GF 30
Impeller	PPE GF 30
Mechanical seal	carbon/SiC/EPDM
Pump shaft	stainless steel
Drive lantern	cast iron EN-JL 1040
Elastomers	NBR

Flanges

compatible with EN 1092-2 PN 16 and ASME

Motor

Directly mounted, low-noise operation, surface-cooled electric motor with permanently lubricated, sealed ball bearings.

Suitable for standard voltage according to DIN IEC 60038 and DIN EN 60034 (Euro voltage) i.e. suitable for continuous operation at:

Voltage	up to 4.00 kW: 3~ Y/Δ 380-420 V/220-240 V
Protection class	IP 55
Idle speed	3000 rpm
Frequency	50 Hz
Class of insulation	F
Cooling air temperature	max. 40 °C

For more detailed information regarding the motor protection please see page 34.



Dimensions

Detailed dimensions available on request or at speck-pumps.com

