

BADU[®] Normblock Multi

Circulation pumps, non-self priming

Horizontal, completely block pump with optimised rate of efficiency. Classic attraction pump with a thousandfold proven concept.

Field of application

Swimming pool water circulation and filtration as well as operation of swimming pool attractions in public swimming pools.

- Open-air and Indoor pools
- Spas
- Pools with high salt concentrations
- Water treatment, e.g. filter unit construction
- Leisure facilities
- Attractions, e.g. water slides
- Shipbuilding
- Industry, e.g. cool water units
- Water supply, e.g. irrigation

Design

The Normblock Multi pump is a non-self-priming, single-stage, volute casing pump with performance classification and main dimensions according to NF E 44-112 and DIN EN 733 (replacement for DIN 24255)

Construction

Pump and removable, standard motor are flanged into a modular unit.

Paintwork

RAL 5002, ultramarine blue.

Flange

compatible with EN 1092-2 PN-16 and ASME

Technical data

Flow rate Q up to max. 440 m³/h
Dynamic head H up to 20 m
Water temperature t max. 40 °C
Maximal operating pressure p 3 bar
Speed 50 Hz n approx. 1450 rpm
60 Hz n approx. 1750 rpm

Construction sizes

BADU Normblock Multi 100/250 DND
100/DNS 125
BADU Normblock Multi 125/250 DND
125/DNS 150

Noise generation

Sound intensity and sound pressure level are mainly influenced by the motor and the pump and especially by the installation conditions and the respective installation situation. Special sound insulation measures are to be taken to reduce the transmission of structure-borne or airborne noise.

Connection positions

Inlet connection axial

Outlet connection radial upwards, side option

Installation

The Normblock Multi pump is installed horizontally in the pipe network, Vertical installation with the motor facing downwards is not permitted.

| Normblock Multi Series No. | | 100/250 | 100/250 | 125/250 |
|----------------------------|-------|-----------------------------|-----------------------------|-----------------------------|
| Motor Hp | Hp. | 10 | 15 | 20 |
| Max Flow | Q/Hr. | 228 | 248 | 434 |
| H. Max | Meter | 17 | 20 | 18 |
| Discharge | | DN 100 (4") | DN 100 (4") | DN 125 (5") |
| Suction | | DN 125 (5") | DN 125 (5") | DN 150 (6") |
| Motor Design | | IM B35, 132M | IM B35, 160M | IM B35, 160L |
| Rated Current | amp | 14 | 20 | 28 |
| Power Supply | | 3 Phase, 400V Star-Delta | 3 Phase, 400V Star-Delta | 3 Phase, 400V Star-Delta |

| Design | Normblock Multi |
|---|---|
| Casing parts | THP technically high-performance plastic |
| Impeller | THP technically high-performance plastic |
| Mechanical seal | SiC/SiC/HNBR |
| Pump shaft (no contact with pump liquid) | stainless steel 1.4057 |
| Motor lantern | cast iron EN-JL 1040 |

