

Abyzz A100 Datasheet



Product Description

The innovative Abyzz A100 includes all the quality and features of the larger Abyzz pumps in a very compact and powerful package. Featuring a laser welded titanium encased Neodymium rotor, powerful and programmable menu-controlled electronic driver, and a sinusoidal three-phase synchronous motor, the A100 is in a class of its own in terms of size and performance.

The integrated flushing bearing provides optimum protection against calcification (Calcium Carbonate deposits). In conjunction with the silicon carbide bearings and Tungsten carbide shaft, this feature provides for low-maintenance operations.

The materials used to manufacture all of these components have been carefully selected so as to be harmoniously integrated into the overall design to look great, ensure a long operational lifetime, and meet the most demanding requirements and highest quality standards. This product was developed and manufactured in Germany by venotec.

Applications

- Freshwater and Saltwater Aquaria
- Ponds
- Creeks
- Pools
- Spas
- Hydroculture
- Aquaculture

Special features

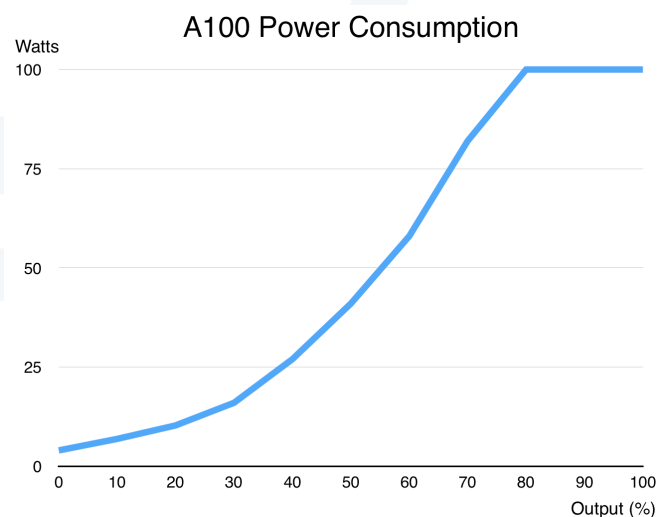
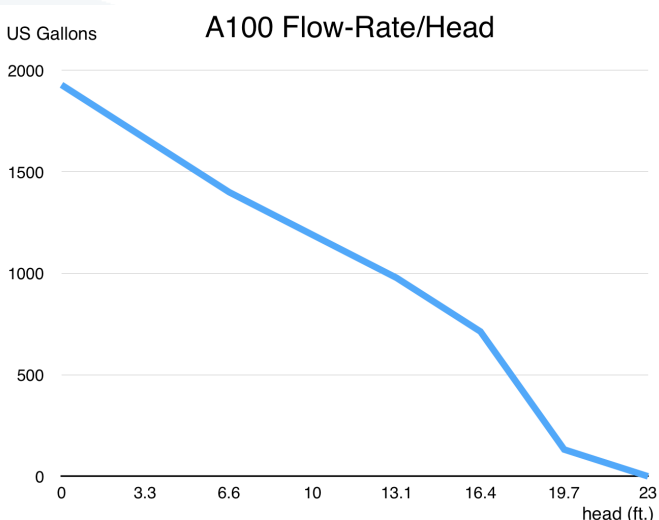
- Variable speed range (0 - 100%)
- MCFS® (Menu Controlled Flow Sequencer) for random flow, wave modes, etc.
- BOOSTMODE® integrated
- Comprehensive safety functions (e.g. dry run, thermal sensors, and power overload protection)
- Soft startup
- Bus-enabled interface for peripheral devices
- Lockable plug contacts
- Low-noise operation
- Removable motor stand

Technical data

The pump can be operated immersed or inline/dry. Please note that this pump is not self-priming.

Maximum flow rate	: 2,200 gph / 8.500 lph
Rated flow rate	: 1,880 gph / 7,300 lph
Maximum head pressure	: 19.5 ft / 6.0 M
Power consumption	: 5...100W
Driver operating voltage	: 90...240V~
Driver operating cycles	: 50...60Hz
Pump operating voltage	: 12V
Ambient operating temp range	: 35.6°F - 104°F : +2°C...+40°C
Maximum operating pressure	: 17.4 PSI / 1,2 bar
Maximum immersion depth	: 6.5 ft / 2 M
Pump cable length	: 6.5 ft / 2 M
Inlet/outlet connections	: 1.5" / 1.0" (40mm/25mm)

Performance Curves



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Dimensions

Pump head rotation in 45° steps shown.
Steps of 22.5° are possible.

