

Abyzz A400 Datasheet



Product Description

The innovative Abyzz A400 pump with its titanium impeller consists of powerful and programmable menu-controlled electronics (driver) and a sinusoidal, three-phase synchronous motor (pump). The efficiency factor of the motor is more than 90%, which, along with the fact that you can adjust the speed to meet your performance requirements, makes it an energy-saving solution.

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

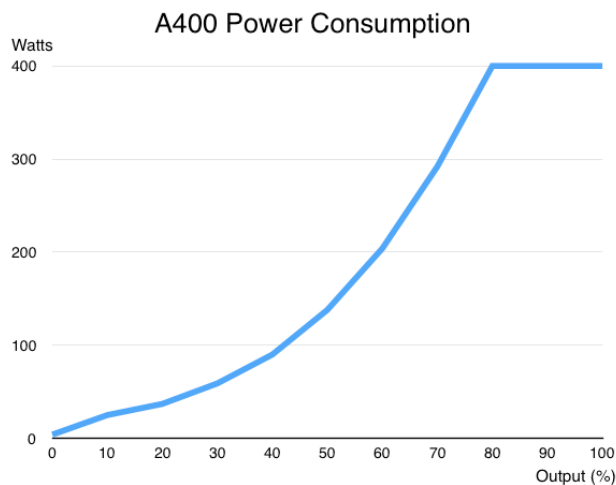
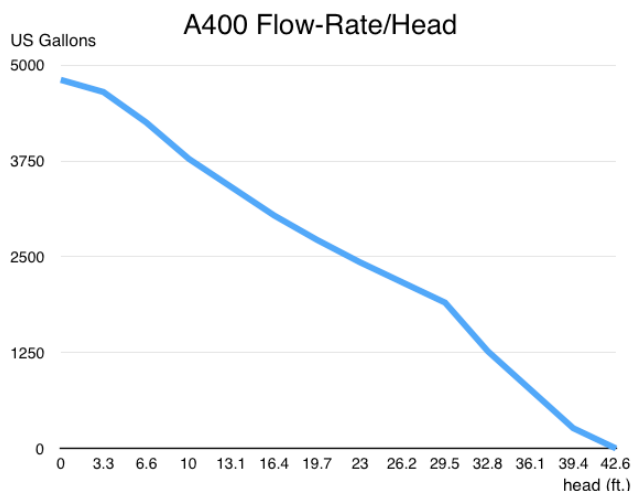
- Variable speed range (0 - 100%)
- MCFS® (Menu Controlled Flow Sequencer) for random flow, wave modes, etc.
- BOOSTMODE® integrated
- Comprehensive safety functions (e.g. dry run, thermal sensors, and power overload protection)
- Soft startup
- Bus-enabled interface for peripheral devices
- Lockable 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	: 6,060 gph / 23,500 lph
Rated flow rate	: 4,800 gph / 18,600 lph
Maximum head pressure	: 30.55 ft / 9.4 M
Power consumption	: 4W...400W
Driver operating voltage	: 110V~
Driver operating cycles	: 60Hz
Pump operating voltage	: 200V
Ambient operating temp range	: 35.5°F - 104°F
	: +2°C...+40°C
Maximum operating pressure	: 21.75 PSI / 1,5 bar
Maximum immersion depth	: 6.5 ft / 2 M
Pump cable length	: 9.75 ft / 3 M
Inlet/outlet connections	: 2.0" / 1.5" (50mm/40mm)

Performance Curves



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Dimensions

Pump head rotation in 90° steps shown.

