

A1200 IPU MP



Product description

The innovative Abyzz A1200 pump with its titanium impeller consists of a powerful and programmable driver and a sine-wave controlled, three-phase synchronous pump. The efficiency 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 bearing flushing provides optimum protection against calcination and, in conjunction with the silicon carbide bearings and special hard metal shaft, ensures low-maintenance operations. All materials used are designed to have a long lifetime and meet the highest requirements and quality standards. This product is developed and manufactured in Germany by venotec.

Special features

- Variable speed range (0.0 - 100.0%)
- Precise speed adjustment in steps of 0.1%
- Integrated programming to generate waves, bursts and random flow patterns with additional *BOOSTMODE* to override actual programming (MCFS - Menu Controlled Flow Sequencer)
- Comprehensive safety functions, such as dry run warning, temperature alert, overcurrent protection, speed zero alert)
- Soft startup
- Auxillary port for peripheral devices (e.g. interfacing to external controllers)
- High quality IP65 motor cable connector
- Low-noise operation
- Optional motor cable extension with Abyzz Range Extender possible
- Multicolor background LC display
- Splashwaterproof driver (IP65)
- Wide range input with active power factor correction
- Optimized heat sink design

Applications

- Freshwater and seawater aquaristics
- Pond filter systems
- Creeks
- Water features
- Commercial applications

Technical data

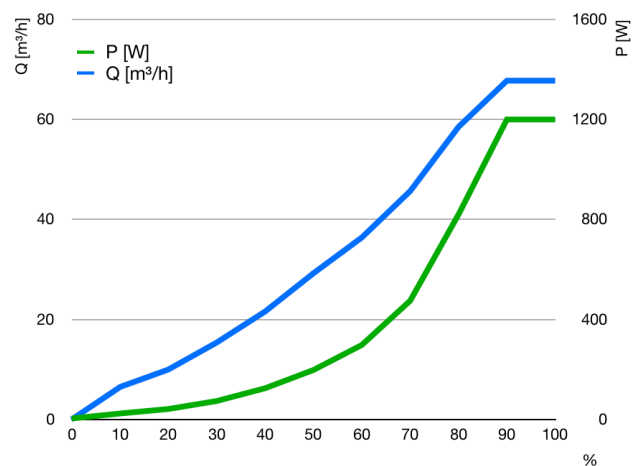
The pump pipes can be immersed or mounted in a dry position. Please note that this pump is not self-priming and thus has to be mounted under water level.

Maximum flow rate	: 68.000l/h (18,000gph)
Rated flow rate @4m	: 48.000l/h (12,700gph)
Pump ambient temp.	: 1...50°C (34...122°F)
Driver ambient temp.	: 0...30°C (32...86°F)
(without additional cooling)	
Max. discharge speed	: 6,5m/s (19.7ft/s)
Delivery height	: 12,5m (41ft)
Power consumption	: 4...1200W
Operating voltage	: 100...240V~
Operating frequency	: 50...60Hz
Maximum operating pressure	: 1,2bar (17.4psi)
Maximum immersion depth	: 2m (6.5ft)
Pump cable length	: 3m (10ft)
Inlet/outlet connections (metric)	: 90mm/75mm
(suitable for PVC/AVB adhesive fittings, imperial adapters available)	

MP version

The MP (medium pressure) version of this pump is suitable for low to medium head pressure systems and is designed to reach maximum efficiency between 1 and 10 meters of head pressure.

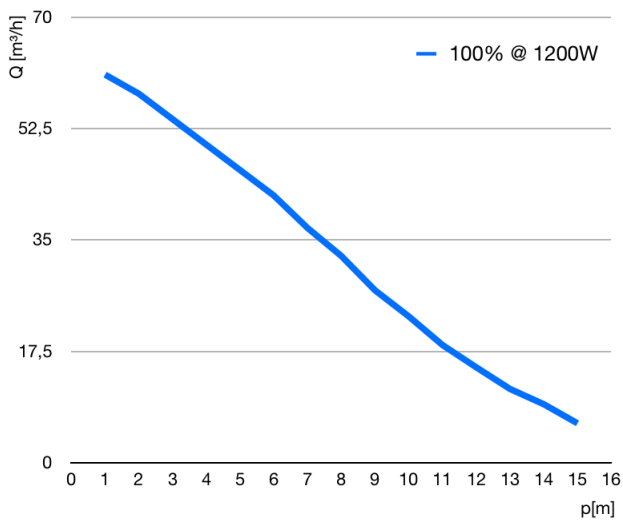
Characteristics



Datasheet



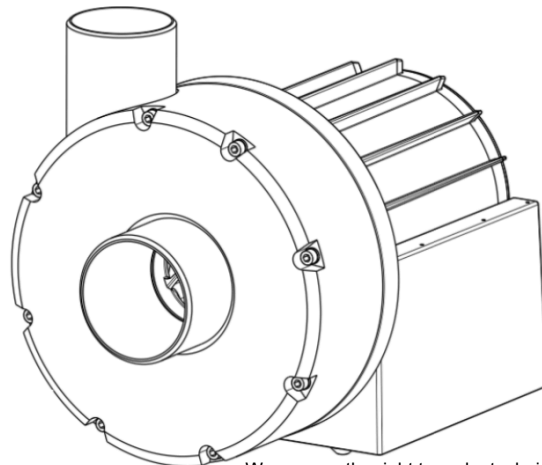
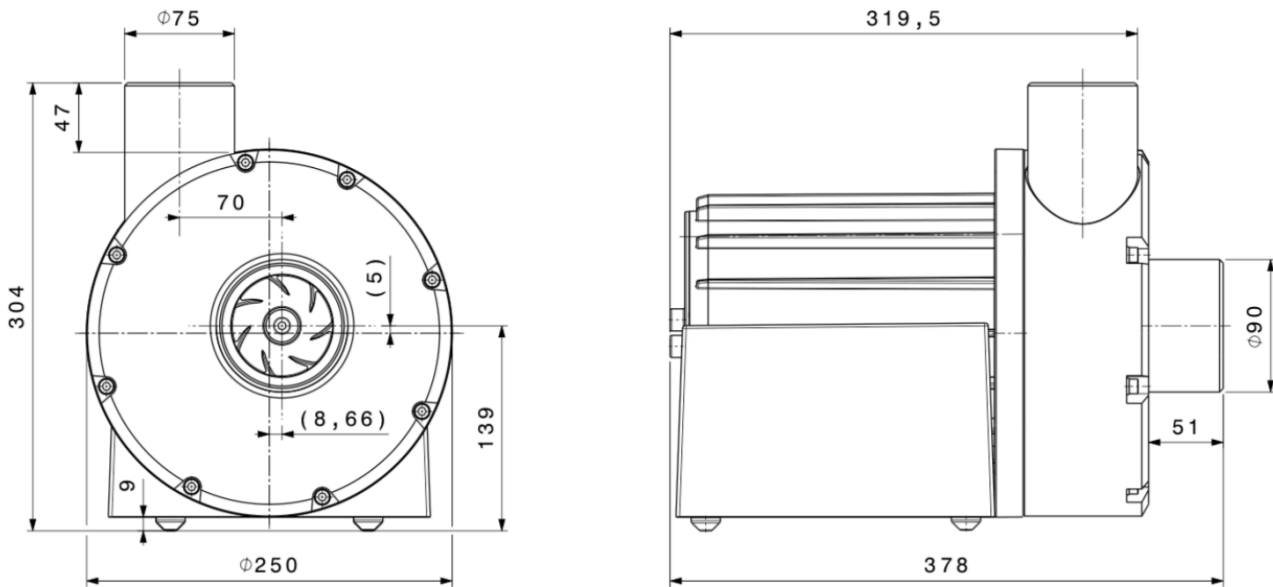
Characteristics



Scope of delivery

- Abyzz A1200 pump and IPU driver
- Mains cable (1.5m)
- Operating manual

Dimensions of pump



(All dimensions in mm)

We reserve the right to make technical changes.