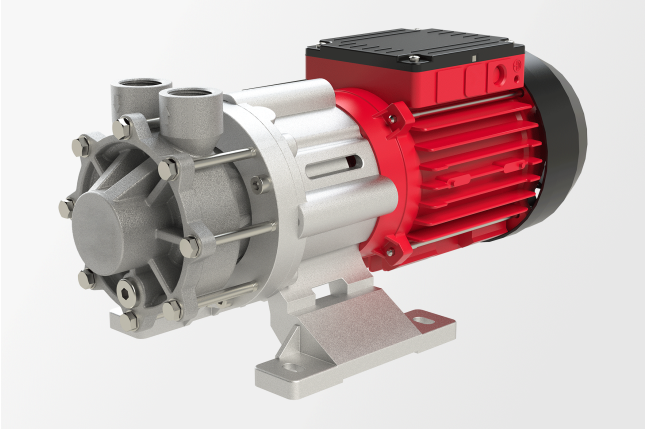
circutec

Product data sheet

Regenerative turbine pump

Bracket pump with magnetic coupling and speed-controlled synchronous motor



Description

- Regenerative turbine pump
- Bracket pump
- Magnetic coupling
- Hermetically sealed
- Operation with a frequency converter
- Motor efficiency level better than IE4
- Suitable for the delivery of gas shares

Markets and applications

Industrial cooling

- Chillers/cooling machines
- Cooling appliances
- Semiconductor manufacturing
- Industrial processes up to -100°C

Plastics processing

- Tool tempering for injection moulding

Road and rail

- Cooling of electrical and mechanical vehicle components, e.g. traction coolers, gearboxes and batteries

Temperature control

- Laboratory tempering devices
- Hot-water tempering devices
- Oil tempering devices
- Roller tempering
- Tool tempering for aluminium injection moulding
- Tool tempering for plastic injection moulding
- Semiconductor manufacturing

Get in touch with us!

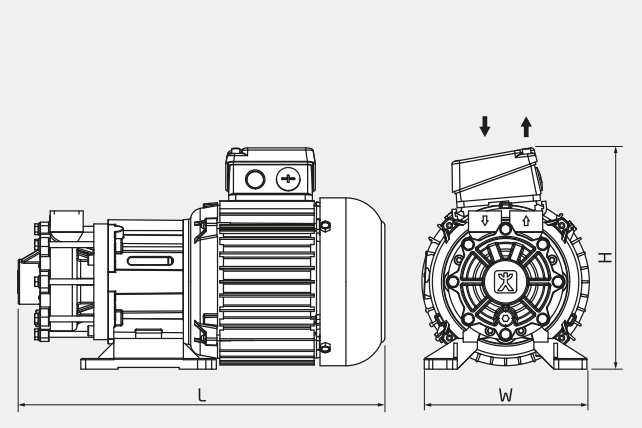
SPECK Australia
Unit 2, 6 Glory Road
Gnangara WA 6077 Australia
Phone NZ: +61 8 6201 1286

Make a non-binding enquiry

sales@speckaustralia.com

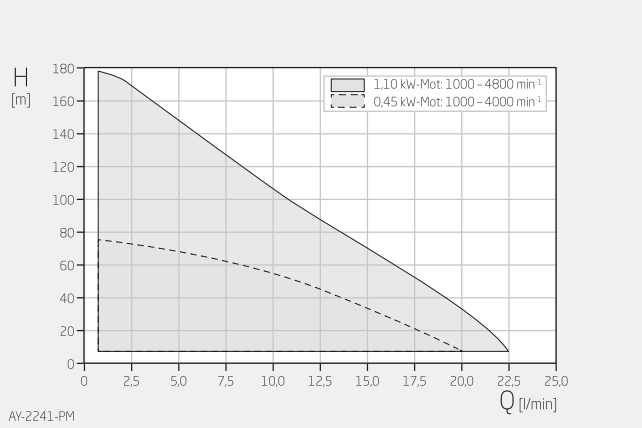
Technical data

International system of units, alternating current



H	252 mm
W	120–138 mm
L	308–325 mm

Dimensions may vary depending on the design.

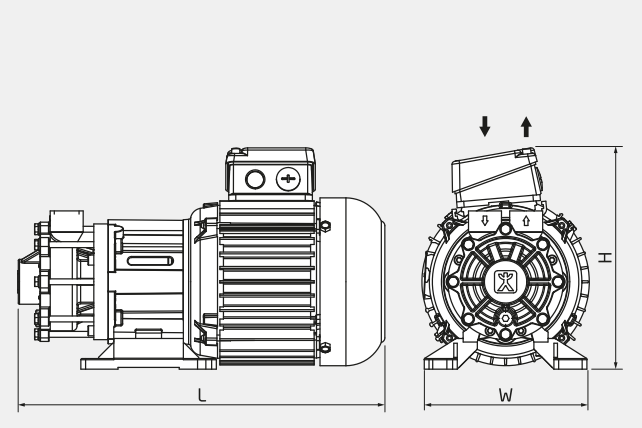


Specifications apply for water at 20°C
Within the displayed characteristic diagrams, each operating point is possible through corresponding parametrisation of the drive.

Product type	Regenerative turbine pump
Shaft sealing/coupling	None/magnetic coupling
Pump design	Bracket pump
Typical media	Water max. +160 °C, on request max. +230 °C Oil max. +350 °C Dielectric inert fluids min. -100 °C, max. +180 °C
Self-priming	No
Variable speed	Yes
Total head	7–180 m
Flow rate	1–23 l/min
Nominal pressure	PN 16 – PN 50
Motor current type	3~
Type of motor	Synchronous motor
Nominal motor power	0.45 – 1.1 kW
Nominal motor speed	1000 – 4800 rpm
Suction-side connection design	Thread: G, NPT, Rc/PT SAE
Suction-side connection size	G ½", SAE ½"
Pressure-side connection design	Thread: G, NPT, Rc/PT
Pressure-side connection size	G ½", SAE ½"
Material designs	Stainless steel
Explosion protection	None

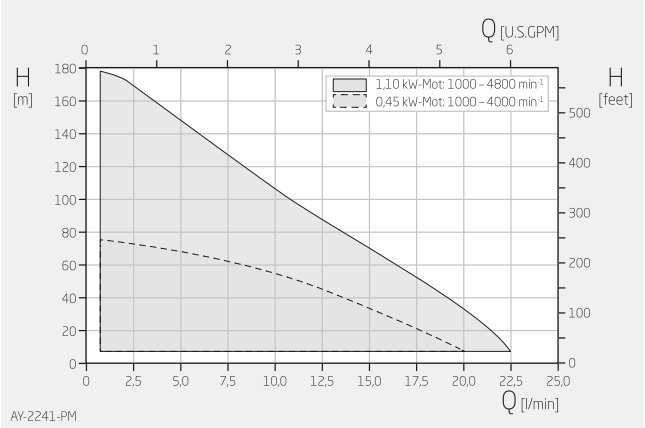
Technical data

Anglo-American system of measurement, alternating current

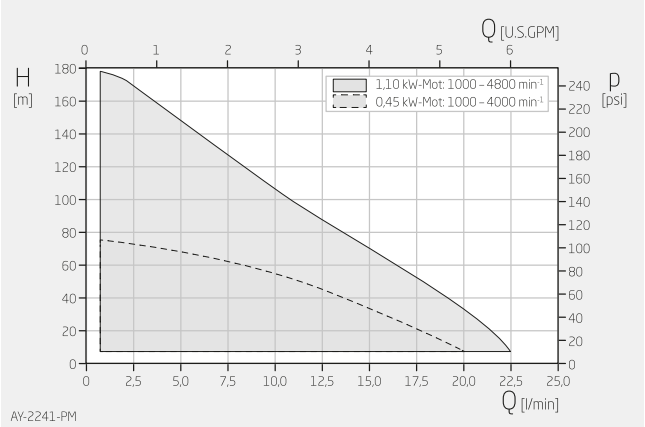


H	9,92 inch
W	4,72–5,43 inch
L	12,13–12,80 inch

Dimensions may vary depending on the design.



Specifications apply for water at 68 °F
Within the displayed characteristic diagrams, each operating point is possible through corresponding parametrisation of the drive.



Specifications apply for water at 68°F
Within the characteristic diagrams, each operating point is possible through corresponding parametrisation of the drive.

Product type	Regenerative turbine pump
Shaft sealing/coupling	None/magnetic coupling
Pump design	Bracket pump
Typical media	Water max. +320 °F, on request max. +446 °F Oil max. +662 °F Dielectric inert fluids min. -148 °F, max. +356 °F
Self-priming	No
Variable speed	Yes
Total head	23–591 ft
Flow rate	0.3–6.1 USGPM
Nominal pressure	PN 16 – PN 50
Motor current type	3~
Type of motor	Synchronous motor
Nominal motor power	0.6 – 1.5 HP
Nominal motor speed	1000 – 4800 rpm
Suction-side connection design	Thread: G, NPT, Rc/PT SAE
Suction-side connection size	G ½", SAE ½"
Pressure-side connection design	Thread: G, NPT, Rc/PT
Pressure-side connection size	G ½", SAE ½"
Material designs	Stainless steel

Explosion protection	None