

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!

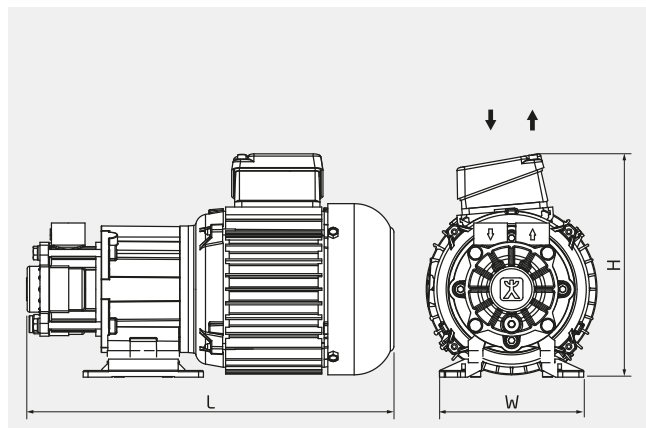
Speck Pumpen Systemtechnik GmbH
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Make a non-binding enquiry

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info@speck.de

Technical data

International system of units, alternating current

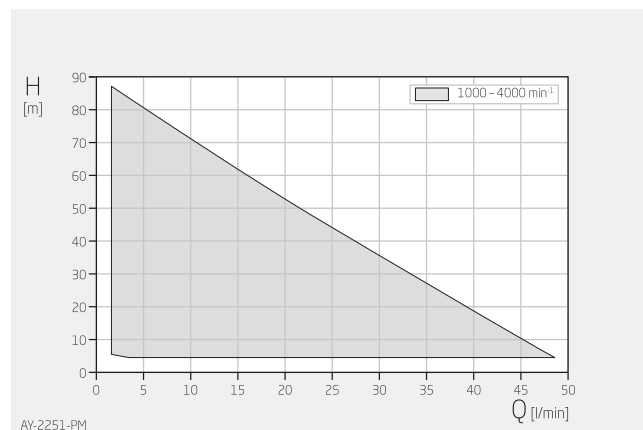


H 252 mm

W 120-138 mm

L 299-306 mm

Dimensions may vary depending on the design.

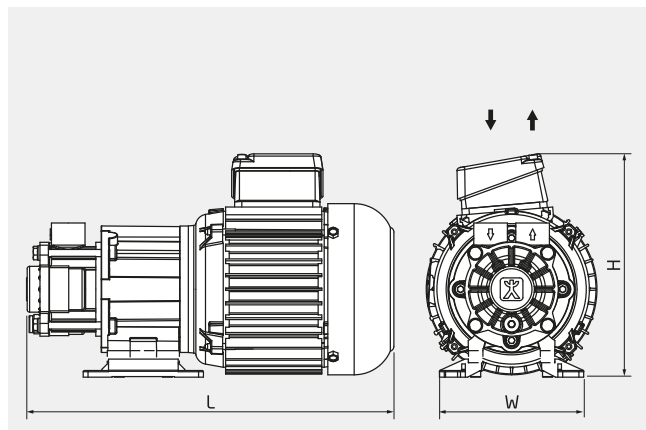


Specifications apply for water at 20°C
Within the characteristic diagrams, each operating point is possible
through parametrisation of the drive.

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	4-87 m
Flow rate	2-48 l/min
Nominal pressure	PN 16 – PN 100
Motor current type	3~
Type of motor	Synchronous motor
Nominal motor power	1.1 kW
Nominal motor speed	1000 – 4000 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 SAE
Pressure-side connection size	G ½", SAE ½"
Material designs	Stainless steel
Explosion protection	None

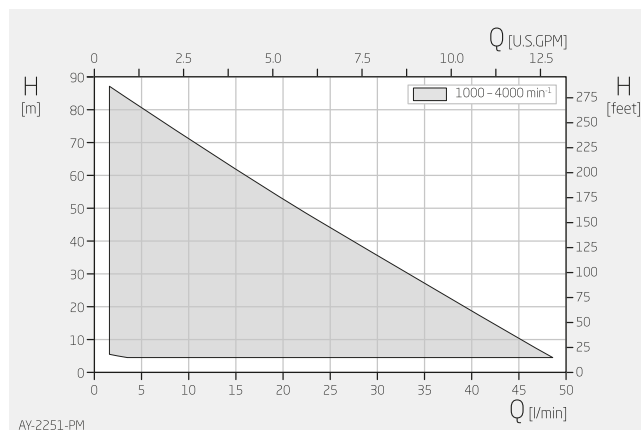
Technical data

Anglo-American system of measurement, alternating current

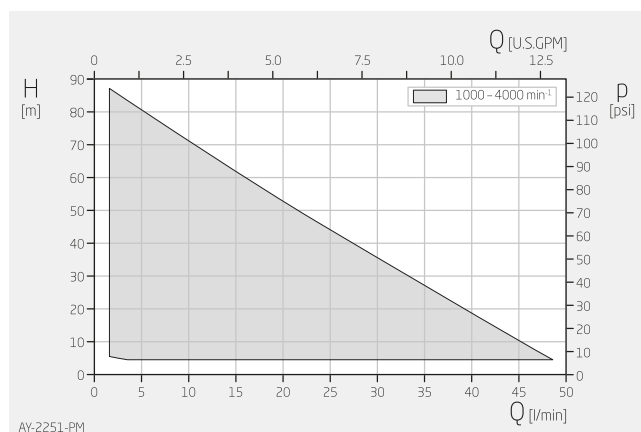


H	9,92 inch
W	4,72-5,43 inch
L	11,77-12,05 inch

Dimensions may vary depending on the design.



Specifications apply for water at 68°F
Within the 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	13-285 ft
Flow rate	0.5-12.7 USGPM
Nominal pressure	PN 16 - PN 100
Motor current type	3~
Type of motor	Synchronous motor
Nominal motor power	1.5 HP
Nominal motor speed	1000 - 4000 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 SAE
Pressure-side connection size	G ½", SAE ½"
Material designs	Stainless steel

Explosion protection	None
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