

Product data sheet

Regenerative turbine pump

Bracket pump with magnetic coupling



Description

- » Regenerative turbine pump
- » Bracket pump
- » Magnetic coupling
- » Hermetically sealed
- » Suitable for the delivery of gas shares
- » Steep characteristic curve

Markets and applications

Energy technology

- » Delivery and circulation in closed circuits
- » Tempering of tankers
- » Delivery of demineralised water for electrolysis and fuel cell applications

Renewable energies

» Thermal oil or cooling brine in solar parks

Industrial cooling

- » Chillers/cooling machines
- » Cooling appliances
- » Plasma cutters
- » Industrial lasers
- » Semiconductor manufacturing

Plastics processing

» Tool tempering for injection moulding

Shipping

» Compressor cooling with water/glycol mixtures

Road and rail

- » Delivery of potable and service water in carriages
- » Cooling of electrical and mechanical vehicle components, e.g. traction coolers, gearboxes and batteries
- » Tempering of tankers

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

Heating and cooling technology

- » Thermal oil systems
- » Filling and emptying thermal oil systems



» Calenders

» Transportation of cooling brine

Get in touch with us!

Speck Pumpen Systemtechnik GmbH Regensburger Ring 6–8 91154 Roth Deutschland

Make a non-binding enquiry

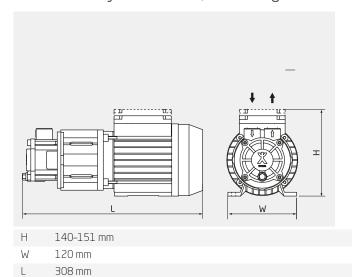
+49 9171 809 0

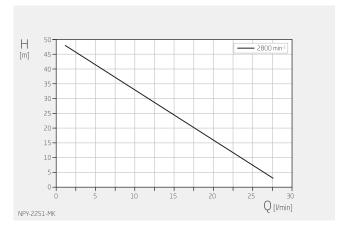
info@speck.de



Technical data

International system of units, alternating current 50 Hz





Specifications apply for water at 20°C and nominal speed.

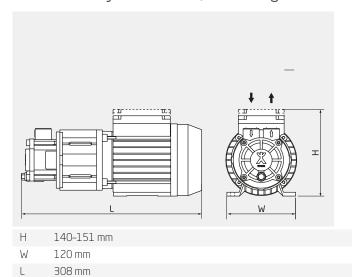
Dimensions may vary depending on the design.

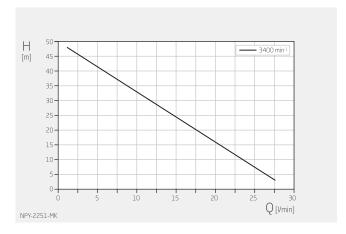
Product type Regenerative turbine pump Shaft sealing/coupling None/magnetic coupling Pump design Bracket pump Typical media Water max. +160 °C Oil max. +180 °C Self-priming No Variable speed Frequency-converter-compatible motor on request Total head 3-48 m Flow rate 3-27 l/min Nominal pressure PN 16 - PN 100 Motor current type 3~ Type of motor Asynchronous motor Nominal motor power 0.50/0.55 kW Nominal motor speed 2800 rpm Suction-side connection design Thread: G, NPT, Rc/PT SAE Suction-side connection size G, SAE & " Pressure-side connection design Thread: G, NPT, Rc/PT SAE SAE Material designs Stainless steel Explosion protection None II 3G, II 3D II 2D II 2D		
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Explosion protection None II 3G, II 3D	Pressure-side connection size	G ½", SAE ½"
II 3G, II 3D	Material designs	Stainless steel
	Explosion protection	II 3G, II 3D



Technical data

International system of units, alternating current 60 Hz





Specifications apply for water at 20°C and nominal speed.

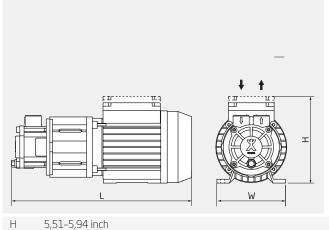
Dimensions may vary depending on the design.

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SAE Suction-side connection size 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 II 3G, II 3D	Nominal motor speed	3400 rpm
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SAE Pressure-side connection size	Suction-side connection size	G ½", SAE ½"
Material designs Stainless steel Explosion protection None II 3G, II 3D	Pressure-side connection design	
Explosion protection None II 3G, II 3D	Pressure-side connection size	G ½", SAE ½"
II 3G, II 3D	Material designs	Stainless steel
	Explosion protection	II 3G, II 3D



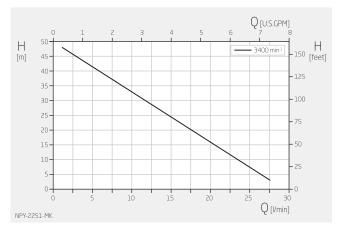
Technical data

Anglo-American system of measurement, alternating current 60 Hz

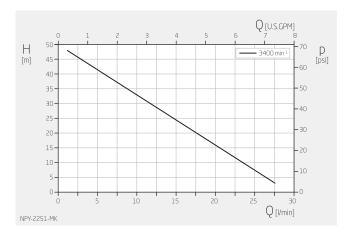


4,72 inch W 12,13 inch

Dimensions may vary depending on the design.



Specifications apply for water at 68°F and nominal speed.



Specifications apply for water at 68°F and nominal speed.

Product type	Regenerative turbine pump
Shaft sealing/coupling	None/magnetic coupling
Pump design	Bracket pump
Typical media	Water max. +320 °F Oil max. +356 °F
Self-priming	No
Variable speed	Frequency-converter-compatible motor on request
Total head	10-157 ft
Flow rate	0.8-7.1 USGPM
Nominal pressure	PN 16 - PN 100
Motor current type	3~
Type of motor	Asynchronous motor
Nominal motor power	0.67/0.74 HP
Nominal motor speed	3400 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 3G, 3D 2G, 2D