

3-inch high-speed - submersible pump

Compact multistage centrifugal pump
for wells with a diameter
of 3 inches or more

Ideal for domestic water supply,
groundwater extraction, irrigation, etc.



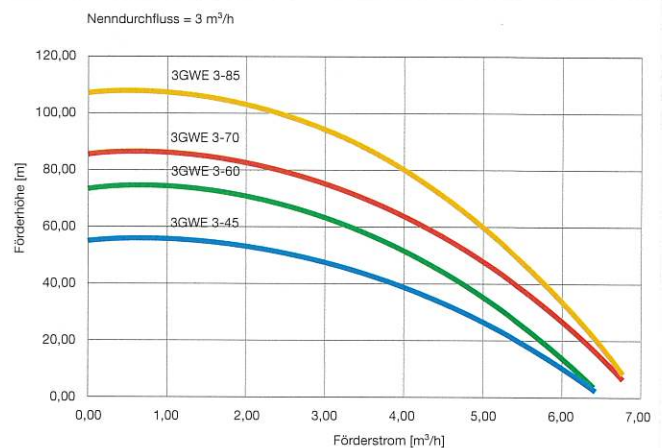
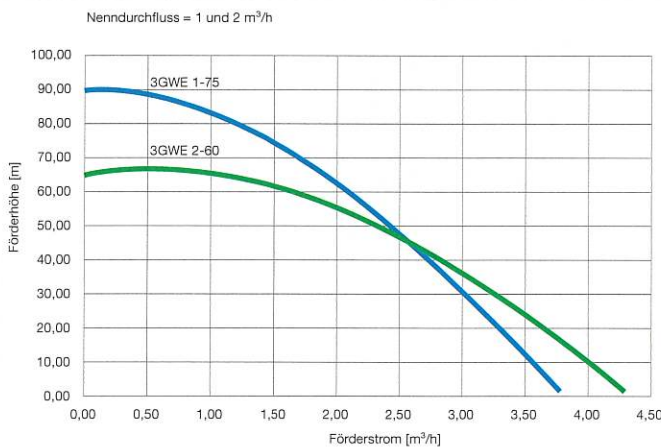
Water-filled engine

Vorteile auf einen Blick

- ✓ High-speed permanent magnet synchronous motor Integrated electronics
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 - Soft start mode
 - Brushless drive control
 - Built-in overload and dry run protection with automatic restart
 - Protection against overvoltage and excessive temperatures
- ✓ High efficiency of pump and motor
- ✓ Stainless steel housing and motor shaft
- ✓ Impeller material with high resistance to sand erosion
- ✓ Integrated check valve.
Ready for installation with 25 m drinking water approved cable

The 3-inch GWE high-speed submersible motor pump impresses with its compact and slim design, combined with high performance and efficiency. Thanks to its special pump design, a well diameter of 80 mm is sufficient for installation. Even with larger well diameters or in horizontal installations, for example in a container, no additional cooling jacket is required for operation.

performance graphs



Pump types

Model	Levels	Motor power and rated current		connection	diameter [mm]	Length [mm]	Weight t [kg]
		[kW]	[A]				
3 GWE 1-75	4	0,75	6,5	1¼"	75	740	6,3
3 GWE 2-60	3	0,75	6,5	1¼"	75	715	6,2
3 GWE 3-45	3	0,75	6,5	1¼"	75	725	6,2
3 GWE 3-60	4	0,75	8,5	1¼"	75	755	6,3
3 GWE 3-70	4	1,5	10	1¼"	75	770	6,6
3 GWE 3-85	5	1,5	12,8	1¼"	75	800	6,7

Motor details:

- Encapsulated design for long service life and maintenance-free operation
- Single-phase 220-240 V AC 50/60 Hz
- Direct start without control panel
- Efficiency class: comparable to IE5
- Insulation class: F
- Protection class: IP 68
- Speed: 8,000 rpm
- Suitable for continuous operation
- Water-cooled stator sealed with epoxy resin

Operating conditions:

- Immersion depth: max. 150 m
- Media temperature: max. 55 °C
- Ambient temperature: max. 55 °C
- Sand content: max. 50 g/m³
- Starts per hour: max. 30
- Well diameter: min. 80 mm
- Installation direction: vertical or horizontal

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