

## 3 inch High Speed - Submersible Pump

### Multistage Centrifugal Borehole pump for 3" Wells

Particularly suitable for domestic  
water supply, groundwater pumping,  
irrigation and gardening.

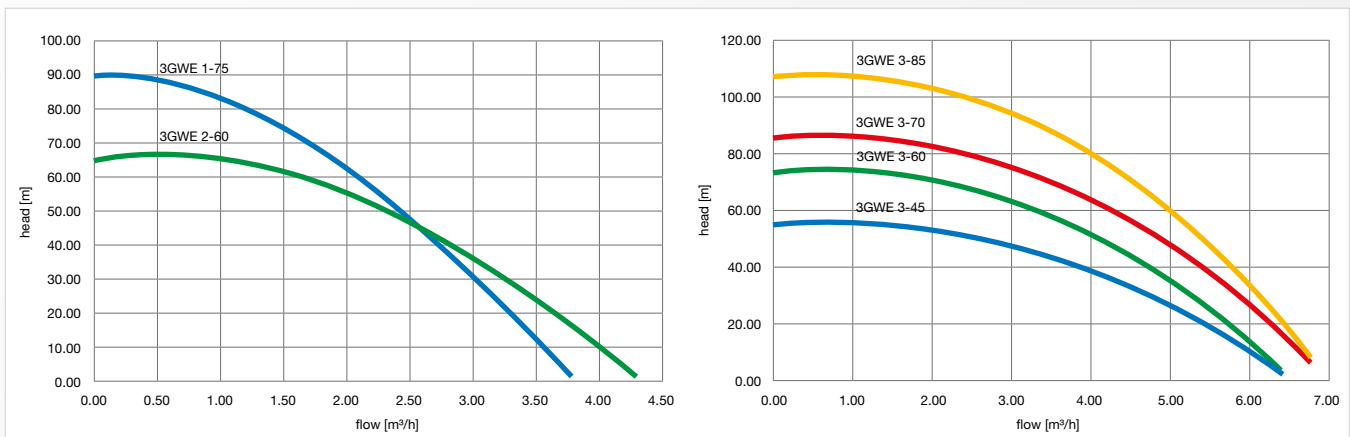
**Water filled motor**

### Advantages at one glance

- ✓ High-speed permanent magnet synchronous motor
- ✓ Soft start mode
- ✓ Built in brushless drive control
- ✓ High Pump Efficiency
- ✓ Stainless steel housing and motor shaft
- ✓ Impeller material with high resistance against sand erosion
- ✓ Built in protections with automatic restart
- ✓ Clean cable
- ✓ Built in check valve

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

## Performance curves



## Pump types

Model	Stage	Power		Outlet	Diameter [mm]	Length [mm]	Weight [kg]
		[kW]	[A]				
3 GWE 1-75	4	0.9	6.5	1¼"	75	740	6.3
3 GWE 2-60	3	0.9	6.5	1¼"	75	715	6.2
3 GWE 3-45	3	0.9	6.5	1¼"	75	725	6.2
3 GWE 3-60	4	1.1	8.5	1¼"	75	755	6.3
3 GWE 3-70	4	1.25	10	1¼"	75	770	6.6
3 GWE 3-85	5	1.6	12	1¼"	75	800	6.7

## Motor details:

- Shielded design for long life and maintenance free
- Single Phase 220-240 V AC 50/60 Hz
- Direct Start without control panel
- Efficiency Class: IE5
- Insulation Class: F
- Protection Class: IP 68
- Speed: 8000 rpm
- Continuous duty
- Water cooled epoxy sealed stator

## Operating conditions:

- Depth of immersion: max. 150 m
- Liquid temperature: max. 55° C
- Ambient temperature: max. 55° C
- Sand content: max. 50 gr./m<sup>3</sup>
- Starts per hour: max 30
- Well diameter: min. 80 mm
- Installation direction: vertically or horizontally

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