

Amarex

Submersible Motor Pump



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|--------------------------|--------------------------------|--------------------|
| • Waste water transport | • Waste water treatment plants | • Sludge treatment |
| • Waste water management | • Stormwater transport | |
| • Drainage systems | • Recirculation | |
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F-max impeller



D-max impeller

More information
www.ksb.com/en-gb



Amarex – Submersible Motor Pump

Benefits

■ Efficient

- The improved hydraulic system with F-max impeller significantly reduces energy costs.
- The open dual-vane D-max impeller makes for top hydraulic pump efficiency ("**best in class**").
- The high-efficiency motor meets efficiency class IE3.
- A U-shaped ring on the claw ensures perfect sealing between the pump and the duckfoot bend.

■ Non-clogging

- The F-max vortex impeller is designed for a free passage of solids of up to 100 mm.
- The patented D-flector and D-max impeller prevent clogging by wet wipes.

■ Cost-efficient

- Non-clogging impellers reduce maintenance work.
- The pump set achieves an overall efficiency of up to 69 %.

■ Durable

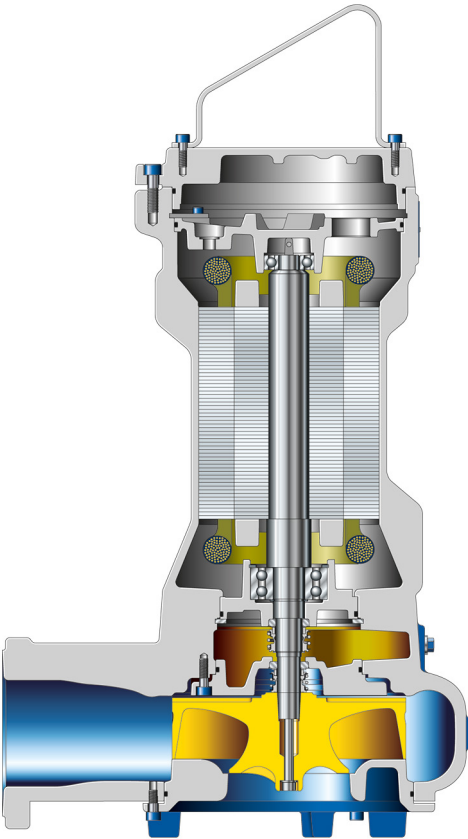
- The optimally selected motor for continuous duty S1, thermal class H, ensures high operating reliability.
- Durable bearings with a service life of 100,000 operating hours contribute to high operating reliability.
- The shaft is made of corrosion-resistant stainless steel for a long service life.
- The D-max impeller is made of high-quality material (EN-GJS-600-3) to prevent abrasion.

■ Environmentally friendly

- The mechanical seal is lubricated with environmentally friendly, non-toxic oil (liquid reservoir).
- Two spare part sets per impeller type are available for all pump sizes to facilitate pump repairs.

■ Flexible

- A wide range of sizes is available to suit numerous applications (up to DN 150, up to 8.4 kW).
- The pump is ideally suited to handling abrasive and aggressive fluids due to the wide variety of available material variants (e.g. cast chrome steel) and mechanical seals.
- Existing pumps can be easily replaced thanks to a large choice of adapter claws and the replacement pumps app.
- Installation of the stationary pump model is straightforward.



Operating data

Characteristic	Value	
Flow rate	Q [m³/h]	≤ 320
	Q [l/s]	≤ 89
Head	H [m]	≤ 42
Fluid temperature	T [°C]	≤ +40
Motor rating	P ₂ [kW]	1,24 - 8,4