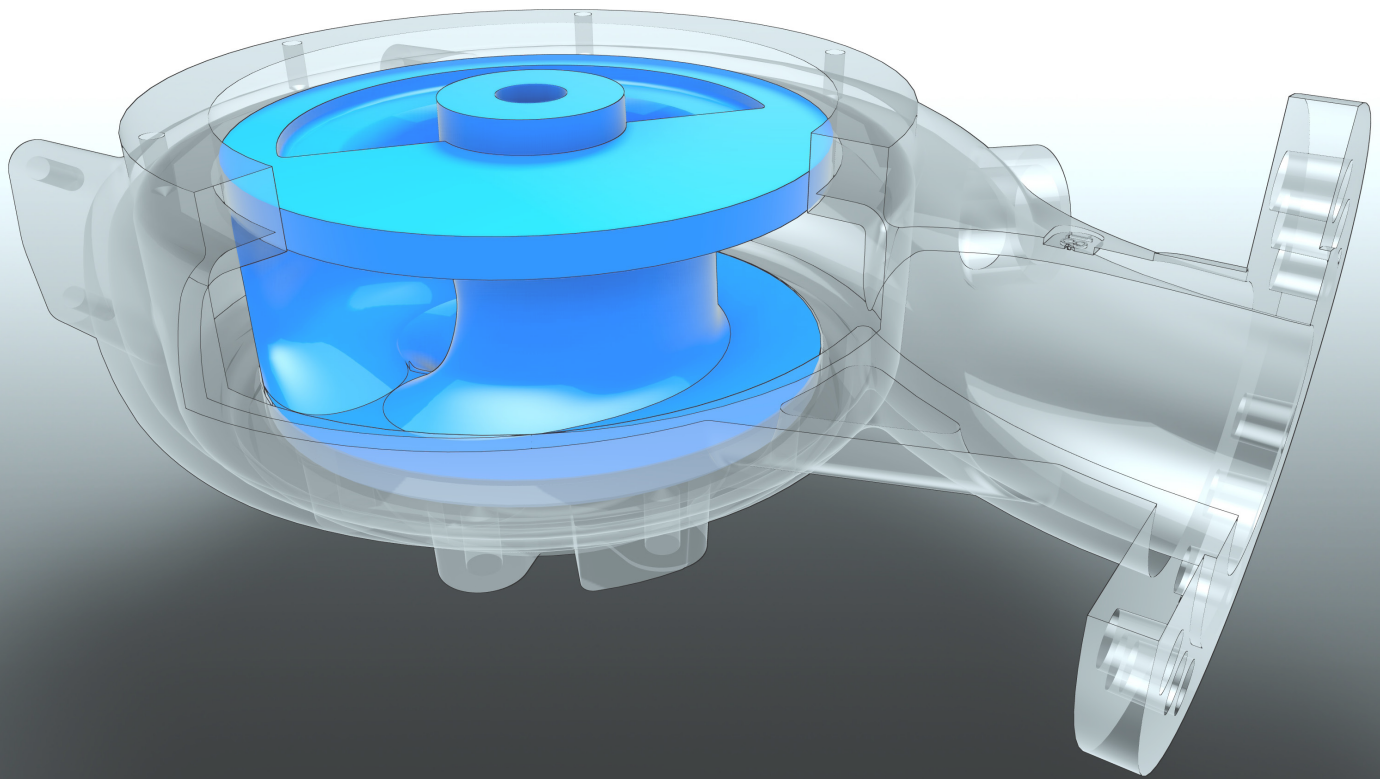


»» DECIDE ON HIGH EFFICIENCY

The new AMS hydraulics for submersible sewage pumps

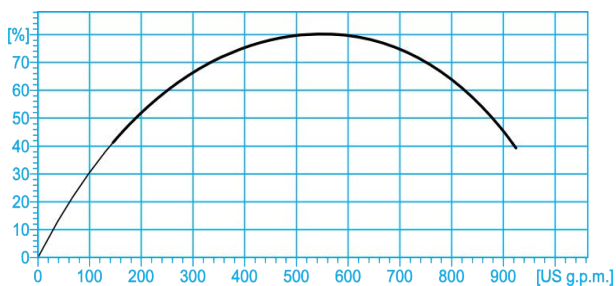
- › Hydraulic efficiency up to 81 %
- › Discharge DN80 and DN100
- › large free passages





» INNOVATIVE DESIGN - HIGH EFFICIENCY

Conveyed media have changed greatly in recent years, displaying an increasing solids content. In order to ensure reliable operation in such cases, our new AMS hydraulics rely on closed single-vane impellers with large free passages. Our impellers and pump housings have been redesigned at the HOMA R&D center and optimized with the latest flow-simulation software. The result: clearly improved hydraulic efficiencies of up to 81%, with a simultaneously low risk of blockage. In combination with HOMA's proven submersible-motors, our new AMS hydraulics are setting a trend in economic efficiency and operational safety.



Hydraulic efficiency
up to 81 %

» OUR KNOW-HOW = YOUR BENEFIT

Convincingly reliable

Following intensive development work and CFD simulations and test installations in a great many pumping stations, we are sure of this: our new AMS hydraulics are setting new standards in economic efficiency and reliability. Besides their especially quiet running and immunity to clogging and entwinement, our newly designed impellers are distinguished above all for their great efficiency. At the present time, our AMS hydraulics are available with DN80 and DN100 discharge, and a free passage of 80 mm ø. The range

will shortly be extended to include hydraulics with DN100 and DN150 Discharge and with free passages of up to 100 mm ø. The hydraulics are available at present in combination with our proven series of submersible T-motors for wet well installation.

For dry installation, or when a cooling jacket is required, the new EffTec series is appropriate: these energy efficient motors (optionally up to IE3) are equipped with the innovative PermaCool system. This constant motor cooling enables the option of wet

or dry installation of the units. At the same time, the new (patent applied for) design ensures that the cooling jacket cannot clog up with solids. Together with AMS hydraulics, EffTec motors ensure the highest overall efficiency.

You can get more information about the EffTec series from the appropriate prospectus, or you can contact the HOMA sales team.

AMS HYDRAULICS: PERFORMANCE THAT PERSUADES

- » optimized-flow pump hydraulics with large free passages
- » high hydraulic efficiency, low energy consumption
- » virtually immune to clogging or entwinement
- » especially quiet running, high operational safety
- » robust and reliable construction: made by HOMA

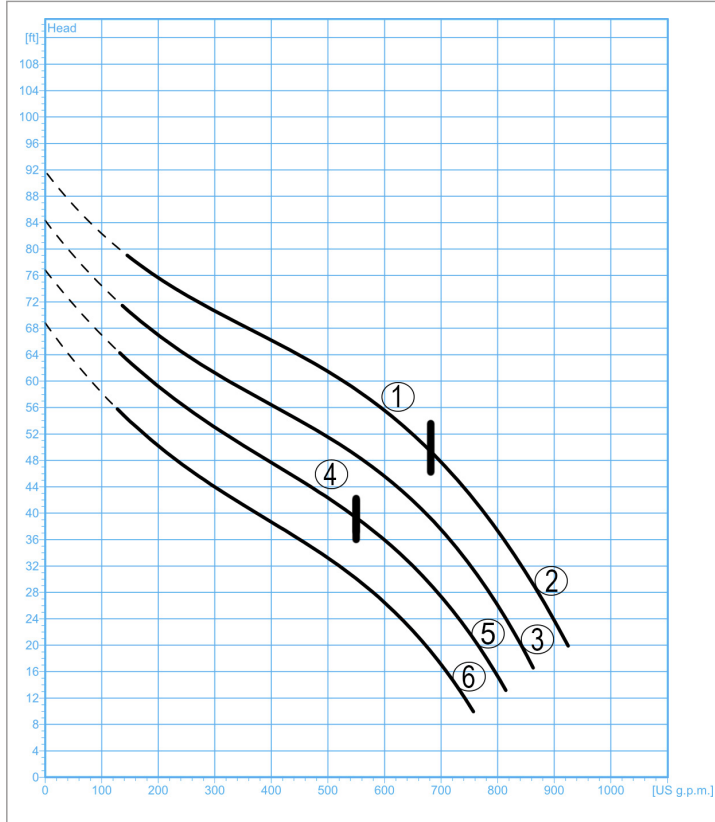


For dry installation:
The new EffTec series with PermaCool motor cooling and AMS hydraulics



From engineering to production: the highest standards of quality - made by HOMA

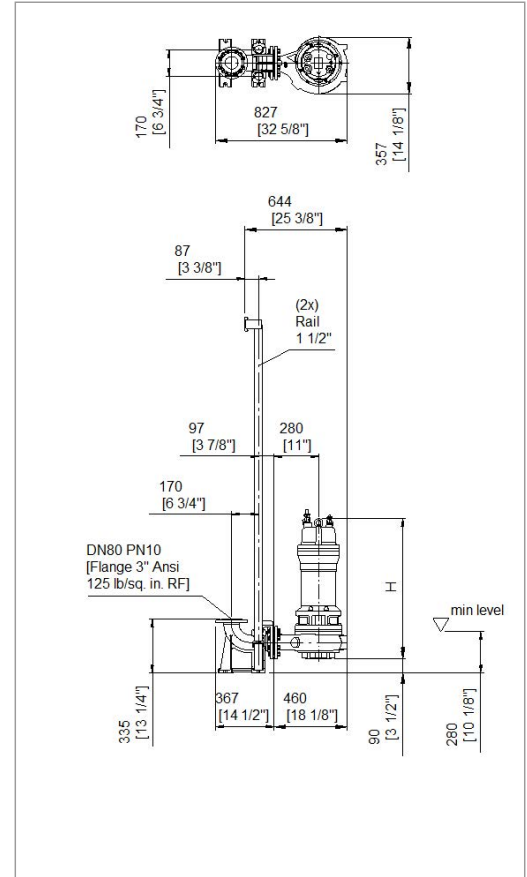
TECHNICAL DETAILS



TECHNICAL DATA

Curve No.	Pump Type	Motor-output P ₂ (HP)	Rated current 230/460 (A)	Weight norm. (lbs)
1	AMS334-230/10.4T(/C) (EX)	10.4	24.6 / 12.3	300
2	AMS334-230/13P(/C) (EX)	13	32 / 16	385
3	AMS334-220/10.4T(/C) (EX)	10.4	24.6 / 12.3	300
4	AMS334-210/7.5T(/C) (EX)	7.5	18.8 / 9.4	295
5	AMS334-210/10.4(/C) (EX)	10.4	24.6 / 12.3	300
6	AMS334-200/7.5T(/C) (EX)	7.5	18.8 / 9.4	295
1	AMS434-230/10.4T(/C) (EX)	10.4	24.6 / 12.3	300
2	AMS434-230/13P(/C) (EX)	13	32 / 16	390
3	AMS434-220/10.4T(/C) (EX)	10.4	24.6 / 12.3	300
4	AMS434-210/7.5T(/C) (EX)	7.5	18.8 / 9.4	300
5	AMS434-210/10.4T(/C) (EX)	10.4	24.6 / 12.3	300
6	AMS434-200/7.5T(/C) (EX)	7.5	18.8 / 9.4	300

DIMENSIONS



MATERIALS

Motor housing	Cast Iron EN-GJL-250 ¹⁾
Pump housing	Cast Iron EN-GJL-250
Impeller	Cast Iron EN-GJL-250
Wear ring	Bronze ¹⁾
Motor shaft	Stainless Steel
Mechanical seals	Silicon carbide / Silicon carbide
Cooling jacket	Stainless Steel
Seals / O-Rings	NBR (Perbunan) ³⁾
Cable	H07RN-F (PLUS) ⁴⁾

¹⁾ also available in stainless steel

³⁾ also from FPM (viton)

⁴⁾ screened cable on request

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We reserve the right to alter our specifications without notice.

HOMA
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