



VS
series

VS 78
VS 97



8"
submersible
pumps
for deep
wells

VS Stainless Steel Submersible Turbine Pumps for 8" wells and larger

New standard in terms of efficiency and pumping capacity

Advanced technology in performance and reliability

FEATURES

- **Pump range**
Engineered and built for 50 or 60 Hertz operation. Pressure up to 50 Bar and delivery capacity from 40 m³/h to 120 m³/h. Motor adapter in compliance with NEMA standard for motor power ranging from 7.5 kW to 110 kW.
- **Stainless steel**
All the components are made of stainless steel AISI 316 (DIN/EN 1.4401) for durability and robustness, to increase run time and trouble-free operation. Many technical features of the design make this pump range very compact and extremely reliable.
- **High efficiency and energy saving**
The hydraulic design incorporates details and innovations such as three-dimensional twisted blades of the impeller and diffuser to enhance efficiency, to considerably reduce energy consumption and total operating costs thus a faster payback on the initial investment.
- **Heavy duty design**
An external stainless steel sleeve improves stiffness and assures permanent alignment of all the components. Motor adapter and discharge head may be removed without disturbing the impeller/diffuser stack. Built-in check valve and over size pump shaft allow also for horizontal operation. Built to resist the most complex and severe conditions.

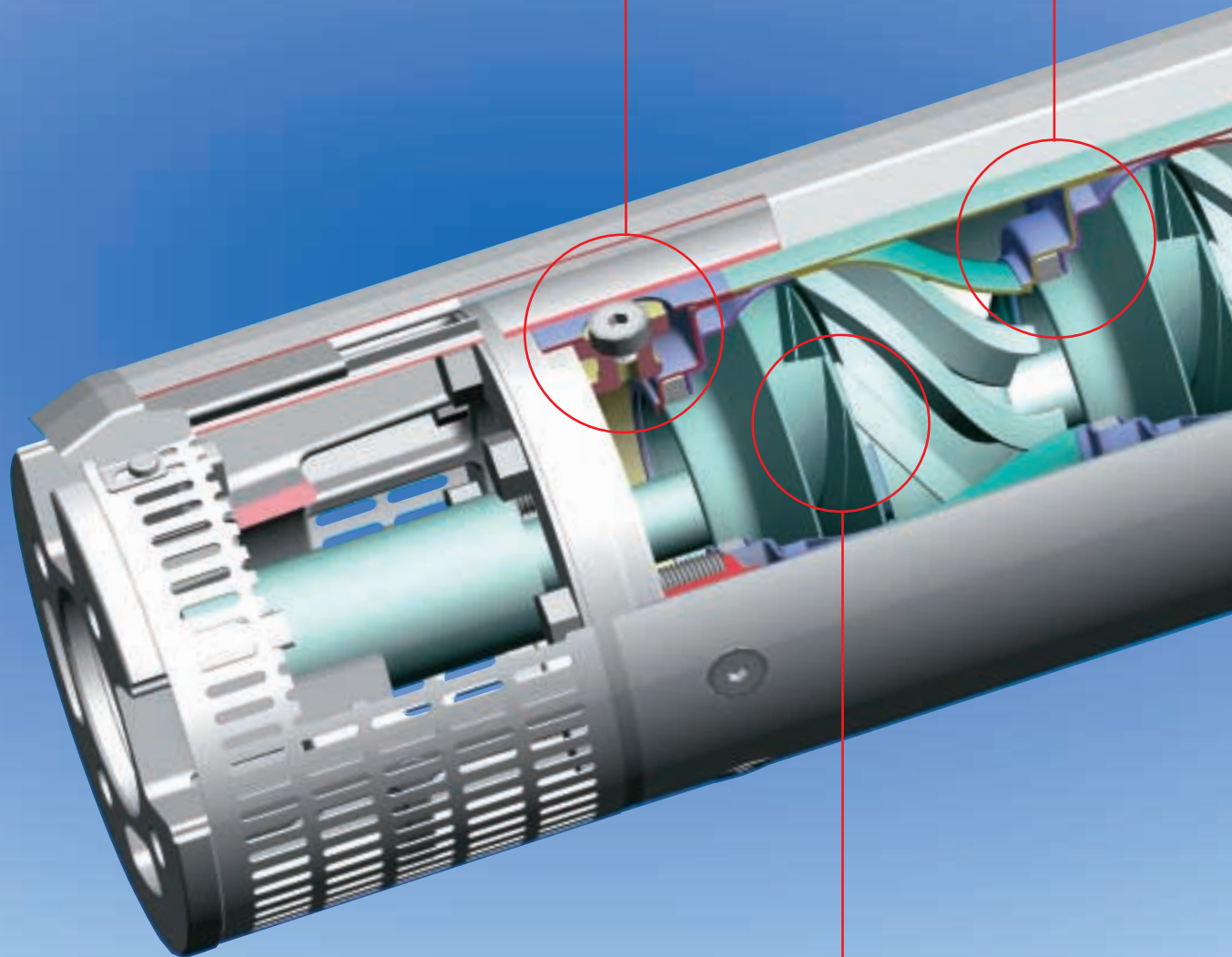
- **Maximum serviceability**

This is a maintenance free product however in time some parts subject to wear may need replacement. The simplicity of the assembly concept allows for easy service without the need of special tools.



SPECIFICATIONS

Capacity:	Up to 120 m ³ /h at 50 Hz / 650 GPM at 60 Hz
Heads:	50 Bar (500 m) at 50 Hz / 1650 feet at 60 Hz
Efficiency:	Up to 80%
Discharge outlet:	5" Rp / 5" NPT / (DN 125 on request)
Required motors:	From 7.5 kW to 110 kW / 6" & 8" NEMA standard



Replaceable floating neck ring to minimize maintenance costs and to assure continuous high efficiency

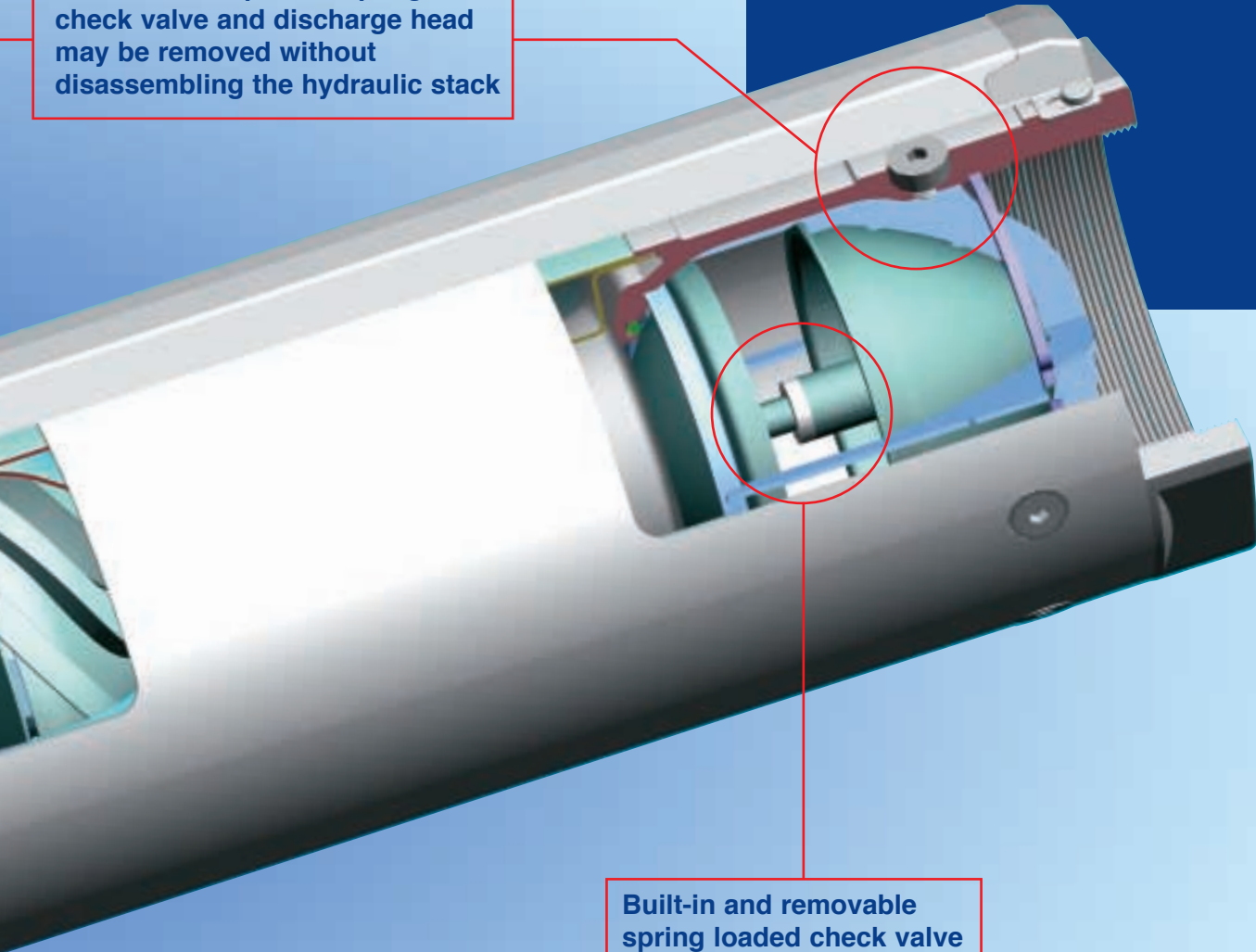
Enhanced efficiency and higher head per stage is achieved through a three-dimensional twisted blade design of the impeller and diffuser



VS series

VS 78
VS 97

The motor adapter, coupling, check valve and discharge head may be removed without disassembling the hydraulic stack

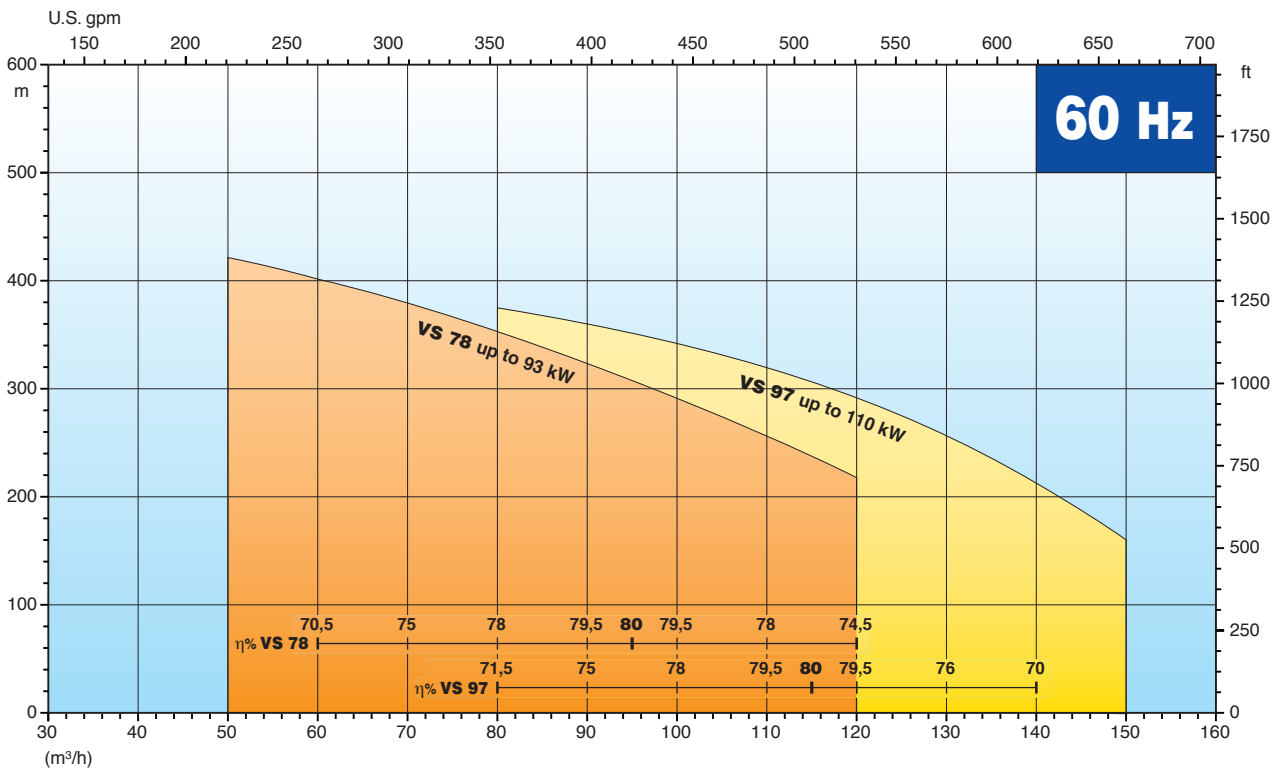
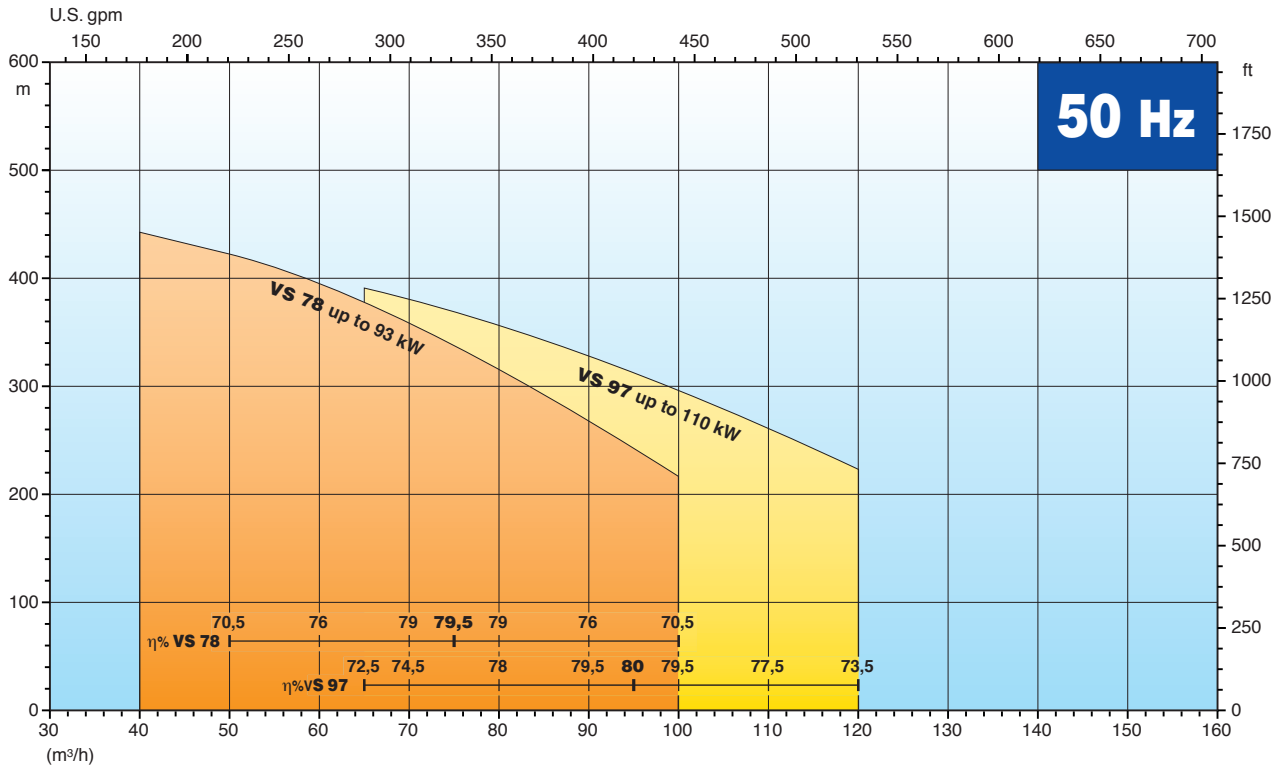


Built-in and removable spring loaded check valve

APPLICATIONS

This heavy-duty 8" submersible pump is specially engineered for:

- Municipal water works
- Water distribution and pressure boosting
- Irrigation and sprinkler systems
- Water treatment plants, filtration and reverse osmosis
- Industrial cooling and processing
- Mining industry, drainage and dewatering
- Fire-fighting equipment





Vertical S.p.A.
Via Asolo, 7
36031 Dueville (Vicenza) - Italy
Tel. +39 0444 361114
Fax +39 0444 365247
e-mail: info@etechpumps.com
www.etechpumps.com