

6SR

6" submersible pumps (sand resistant)

The new 6SR is born from a careful mechanical fluid dynamics design. The best synthesis for reliability, performance, efficiency and robustness, guaranteed by the combination of the materials used in its construction. The impeller, fixed inside a stout stainless steel cover, is made in Noryl, reinforced with fiberglass and covered with special rubber material, erosion and corrosion resistant.

PERFORMANCE RANGE

Flow rate up to 600 l/min (36 m³/h)
Dynamic head up to 390 m

OPERATING LIMITS

Maximum fluid temperature + 30°C
Maximum sand content 50 g/m³
Starts: max. 20/h

CONSTRUCTION AND SAFETY STANDARDS:

EN 60034-1
IEC 34-1
CEI 2-3



PUMP INSTALLATION AND APPLICATIONS

THESE PUMPS ARE SUITABLE FOR PUMPING CLEAN WATER OR FLUIDS WITH A SAND CONTENT OF NOT MORE THAN 50 g/m³. THEIR HIGH PERFORMANCE AND DEPENDABILITY MAKE THEM SUITABLE FOR USE IN DOMESTIC, CIVIL AND INDUSTRIAL FIELDS, FOR THE AUTOMATIC DISTRIBUTION OF WATER WORKING IN CONJUNCTION WITH SURGE TANKS, FOR GARDENING, FOR PRESSURE-BOOSTING SYSTEMS, AND FOR FIRE-FIGHTING PURPOSES, ETC.

WARRANTY: 1 YEAR

(according to our general sales conditions).

STRUCTURAL CHARACTERISTICS

- **DISCHARGE HEAD:** cast iron, with UNI ISO 228-1 3" gas thread.
- **CHECK VALVE:** high-resistance **AISI 304 stainless steel**, enables the weight of the column of water to be discharged without stress to the impellers and diffusers, thus ensuring long pump life.

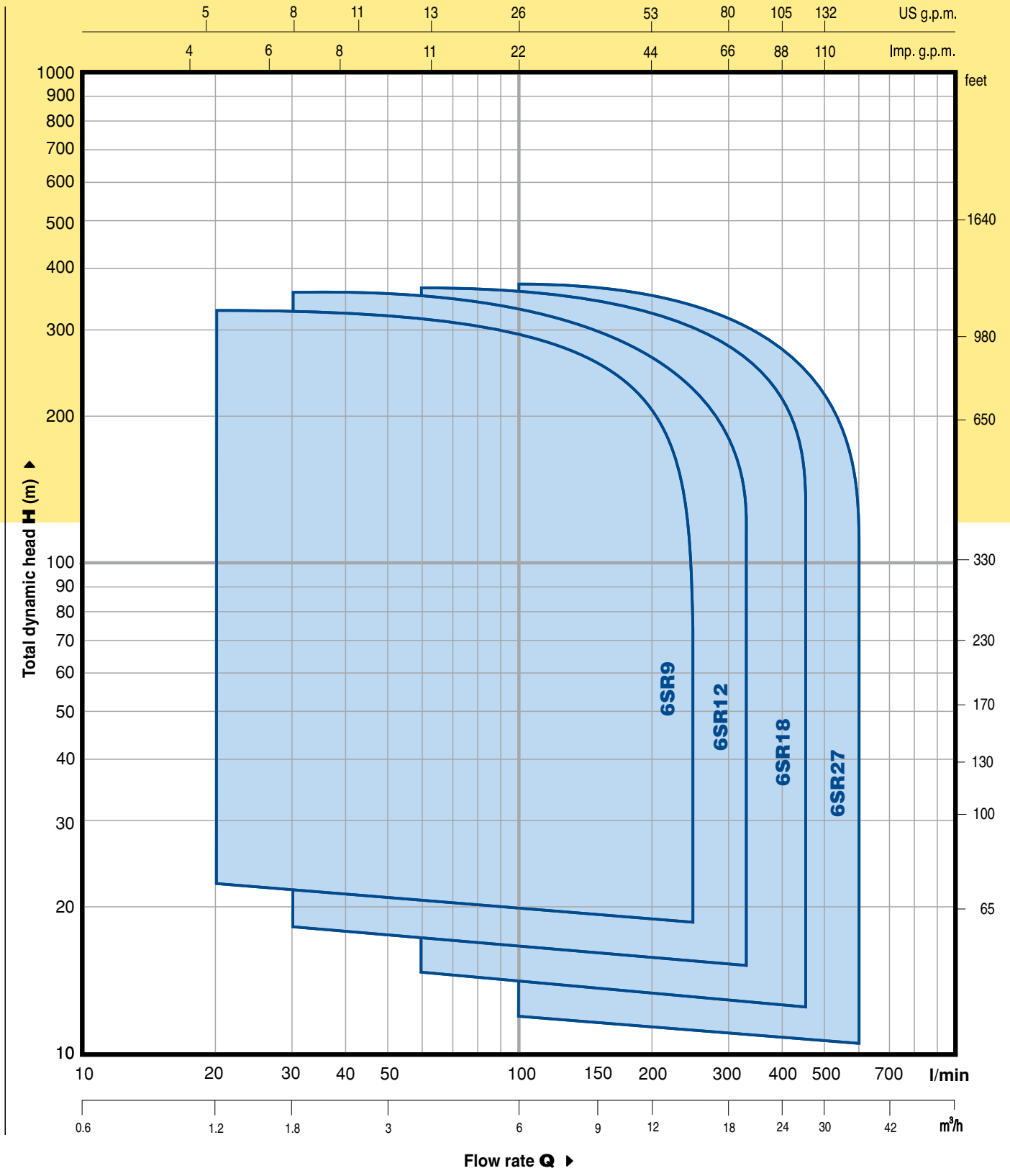
- **IMPELLERS:** made from fiberglass reinforced **Noryl**® "General Electric" technopolymer and covered by special rubber.
- **BOWL:** **AISI 304 stainless steel**.
- **EXTERNAL SLEEVE:** **AISI 304 stainless steel**.
- **DIFFUSERS:** made from fiberglass reinforced **technopolymer**.
- **PUMP SHAFT:** **AISI 304 stainless steel**.
- **MOTOR BRACKET:** **cast iron**, built to NEMA dimensional standards.
- **TRANSMISSION COUPLING:** **AISI 420 stainless steel**.
- **BOLTS & SCREWS, FILTER AND CABLE GUARD:** **AISI 304 stainless steel**.
- **MOTOR:** 4" submersible electric water filled "Franklin Electric" or rewindable oil bath "Pedrollo" from 2.2 to 5.5 kW; 6" submersible electric water filled "Franklin Electric" from 4 to 30 kW.
- **PROTECTION:** IP 68.
- **SUPPLY CABLE:** "FE4DM/T" submersible. Supplied standard with 1.5 m of cable for 4" motor and 4 m for 6" motor.

SPECIAL FEATURES ON REQUEST:

- ⇒ other voltages.
- ⇒ 60 Hz frequency.



PERFORMANCE CHART AT n= 2900 1/min



6 SR 9 /12

- impellers number
- best efficiency point (m^3/h)
- pump name
- well \varnothing 6"