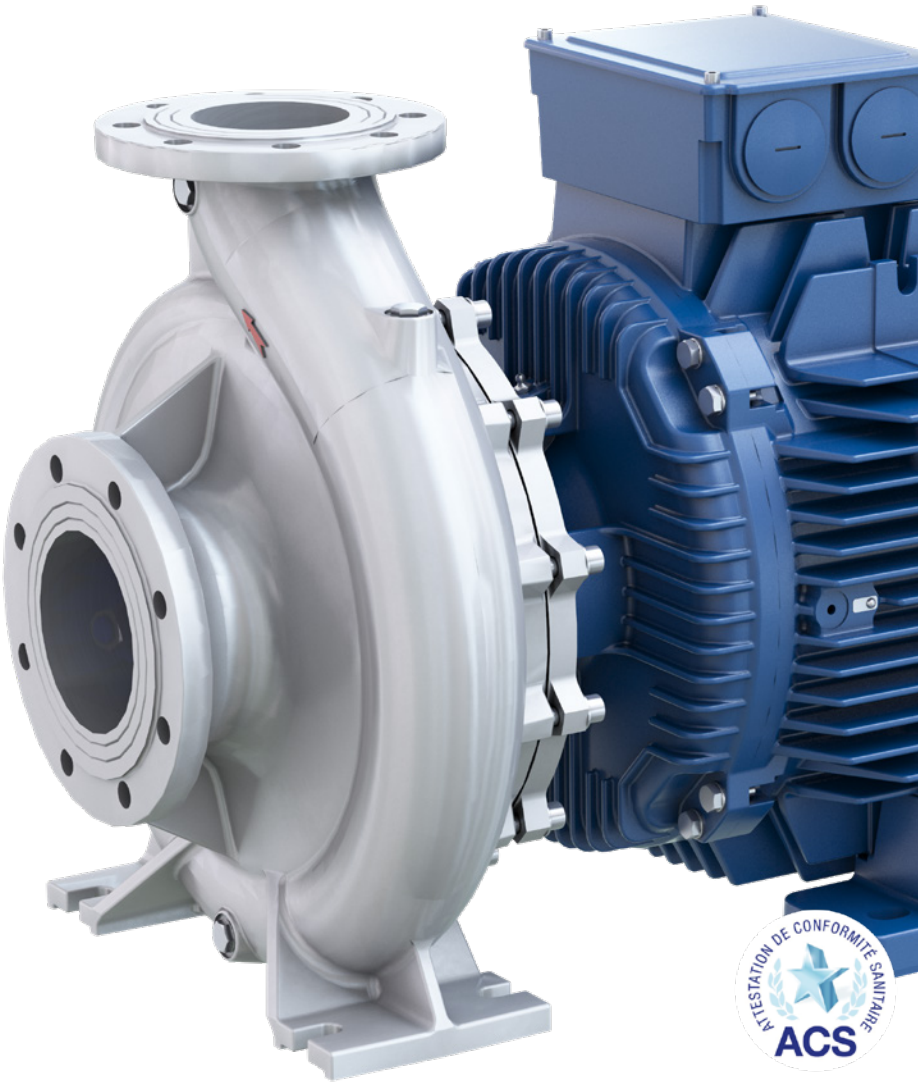
SULZER

Pumps and pumping systems

End-suction EN733 centrifugal pump **SKS**



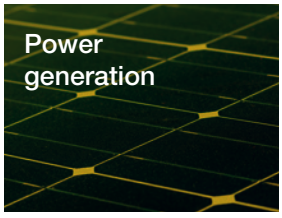
Main industries and applications

The end-suction centrifugal pump SKS is designed to offer the highest performance in terms of output and efficiency in order to meet the requirements of versatile water applications as well as general industry and auxiliary power. SKS is a close-coupled (monoblock) pump with electric motor that can be supplied with a frequency converter. To meet any installation requirements, the pump can be positioned with horizontal, sloping or vertical axis – always with the motor upwards.

SKS is suitable for:

- water supply facilities
- water distribution networks
- irrigation
- heating and cooling systems
- general industry applications

SKS pumps are according to the EN733 standard and in conformity with 2009/125/CE Directive (ErP).



Features and benefits

1 Certified for use in drinking water applications
- According to the ACS standard, other standards on request

2 Robust construction for reliable operation
- Suitable for high-pressure applications with flanges in PN 10 and PN 16
- Easily replaceable wear rings protect the pump body and the impeller (available as option)

3 Easy maintenance with “back pull-out” design
- Hydraulic part can be removed without having to remove the pump body from the plant pipes

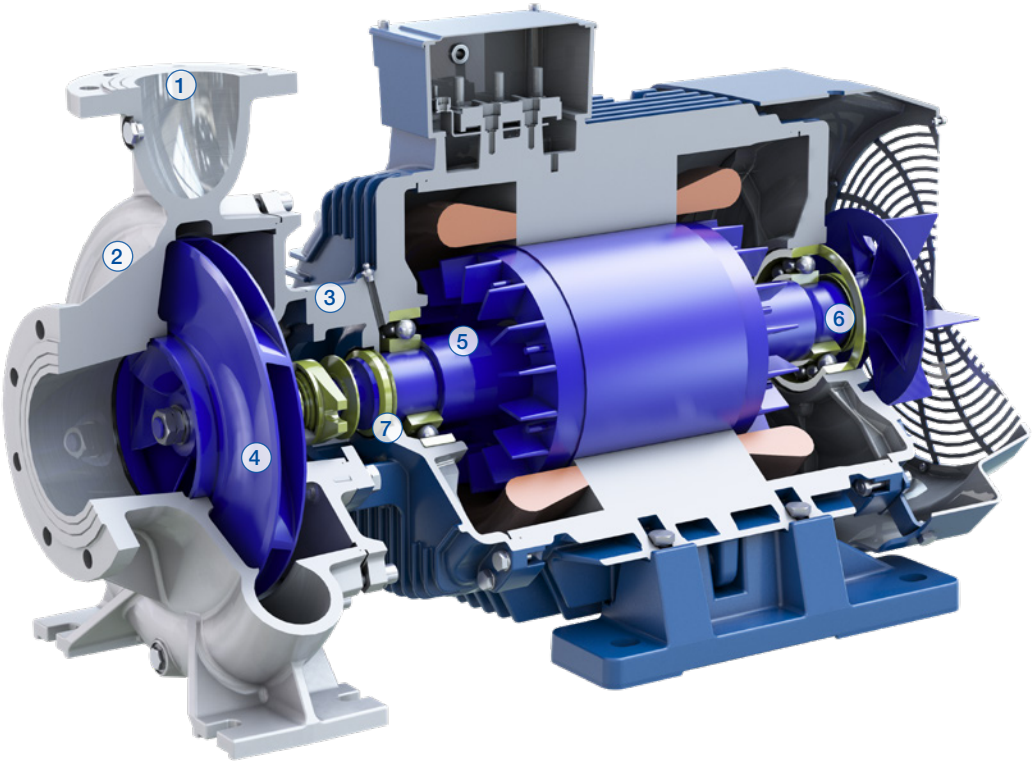
4 High-efficiency hydraulics reduce power consumption
- Dynamically balanced closed impeller to minimize radial loads and provide smooth rotation of impeller
- Balance holes to compensate for the axial thrust for less load on the bearing meaning a longer bearing life
- Suction profile designed to reduce NPSH for trouble-free operation in demanding conditions

5 Heavy-duty shaft construction for continuous operation
- Stainless steel shaft designed to withstand the bending-torsion load
- Protected by anti-wear systems of sleeves and bushings

6 Maintenance-free bearings increase service life
- Oversized ball bearings protected from outer agents provide reduced working noise and a long service life

7 Mechanical seals for every situation
- Large selection of mechanical seals configured according to the requirements of the fluid characteristics and conditions of use

Save time!
The shaft seal can be serviced without disassembling the pump.

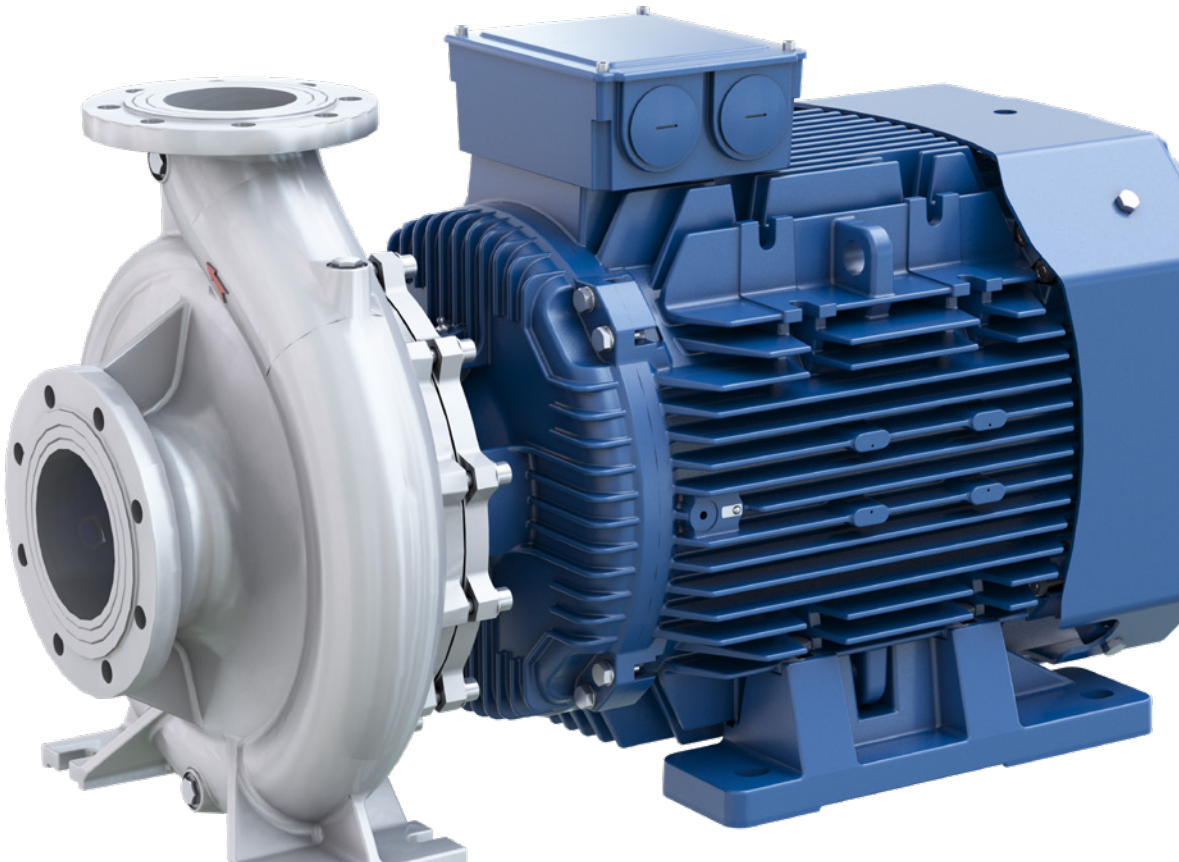


Materials

Pump part	Material (other materials on request)
Pump body	Cast iron EN-GJL-250
Impeller	Cast iron EN-GJL-250 Bronze G-CuSn10 Stainless steel AISI 431 (1.4057)

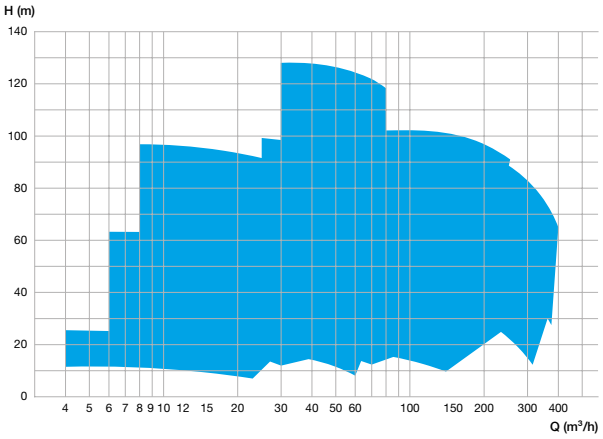
Operating data

	50 Hz	60 Hz
Capacities	up to 825 m^3/h	up to 800 m^3/h (3'522 USgpm)
Heads	up to 129 m	up to 113 m (371 ft.)
Power	up to 90 kW	up to 110 kW (148 hp)
Temperatures	-15ºC / +90ºC (+120ºC on request)	+5ºF / +194ºF (+248ºF on request)
Maximum speed of rotation	3'000 rpm	3'600 rpm

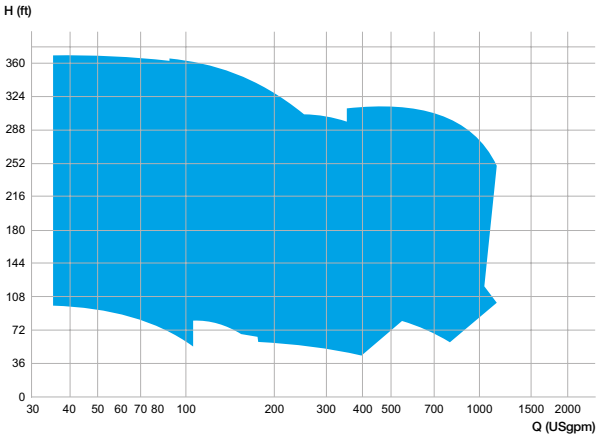


Performance ranges

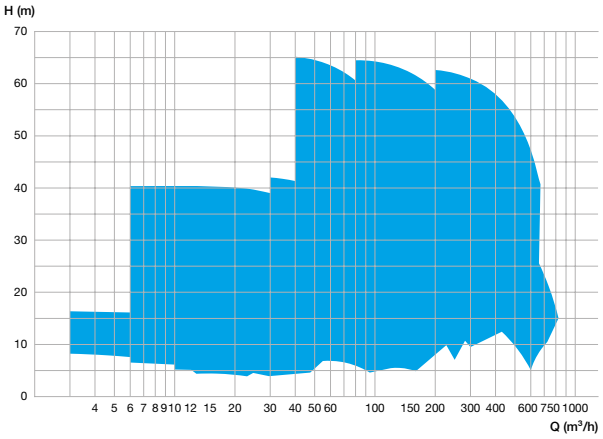
2 poles, 50 Hz



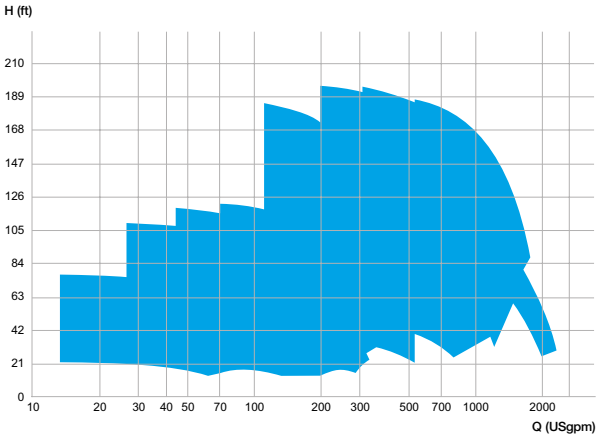
2 poles, 60 Hz



4 poles, 50 Hz



4 poles, 60 Hz



sulzer.com

The Sulzer Flow division keeps your processes flowing. Wherever fluids are treated, pumped, or mixed, we deliver highly innovative and reliable solutions for the most demanding applications.

The Flow division specializes in pumping solutions specifically engineered for the processes of our customers. We provide pumps, agitators, compressors, grinders, screens and filters developed through intensive research and development in fluid dynamics and advanced materials. We are a market leader in pumping solutions for water, oil and gas, power, chemicals and most industrial segments.