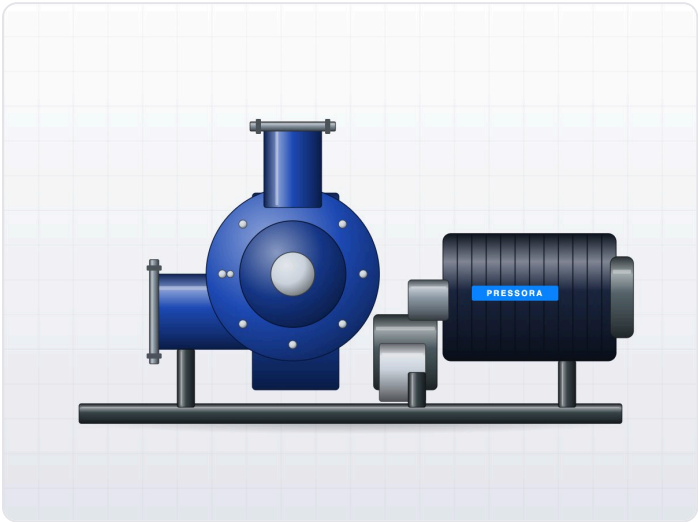


ILLUSTRATIVE DEMONSTRATION DATASHEET — fictional product and data; not for engineering or purchasing use.

ES-100 End-Suction Pump

Model ES-100

Close-coupled end-suction pump for general water transfer.



FLOW RATE
Up to 420 m³/h

HEAD
Up to 85 m

FLUID TEMPERATURE
-10 to 120 °C

MAX. WORKING
PRESSURE
16 bar

OVERVIEW

The ES-100 is a single-stage, end-suction centrifugal pump for clean water and light industrial liquids. A back pull-out design lets the rotating assembly be removed without disturbing the pipework.

It is offered in six hydraulic sizes covering common transfer, circulation and boosting duties.

KEY FEATURES

- Back pull-out assembly for in-line servicing
- Closed impeller with wear ring
- Standard IEC motor interface
- Optional variable-speed motor package

TECHNICAL SPECIFICATIONS

HYDRAULICS	Flow range (50 Hz)	30 – 420 m ³ /h
HYDRAULICS	Head range (50 Hz)	12 – 85 m
HYDRAULICS	Speed	2,900 rpm
CONNECTIONS	Suction / discharge	DN 50 – DN 200, PN16
DRIVE	Motor power	1.5 – 110 kW
OPERATING LIMITS	Max. working pressure	16 bar
OPERATING LIMITS	Fluid temperature	-10 to 120 °C
MASS	Pump without motor	38 – 210 kg

MATERIALS OF CONSTRUCTION

CASING	Cast iron
IMPELLER	Bronze
SHAFT	Stainless steel
SEAL	Single mechanical, carbon / SiC

STANDARDS AND OPERATING CONDITIONS

Design reference: ISO 2858 dimensions (illustrative)
Clean or lightly contaminated water; solids content below 0.1% by volume.