

Isoglide

SINGLE STAGE, END SUCTION PUMP

PUMP OVERVIEW

The ClydeUnion Pumps Isoglide range of horizontal long coupled or close coupled ISO 2858 standard pumps is an established end suction design range:

- 32 individual pump frame sizes divided into 4 modular shaft groupings
- Numerous sealing options available
- Back pull-out design allows for easy removal of the pump rotating element without disturbing the pipework ensuring ease of maintenance
- Material options available for non-corrosive and corrosive applications including seawater
- Designed for both 50Hz and 60Hz markets



TYPICAL APPLICATIONS

- Water treatment, supply + distribution
- Desalination
- District heating + district cooling
- Irrigation
- De-watering
- Power auxiliaries
- Paper manufacturing
- Mining
- Metal manufacturing
- Chemical + petrochemical industries
- General industrial applications
- Building services

TECHNICAL DATA

Capacity: up to 4,400 USgpm / 1,000 m³/hr

Delivery head: up to 670 ft / 200 m

Temperature: up to 250 °F / 120 °C

Speeds: up to 3,600 rpm

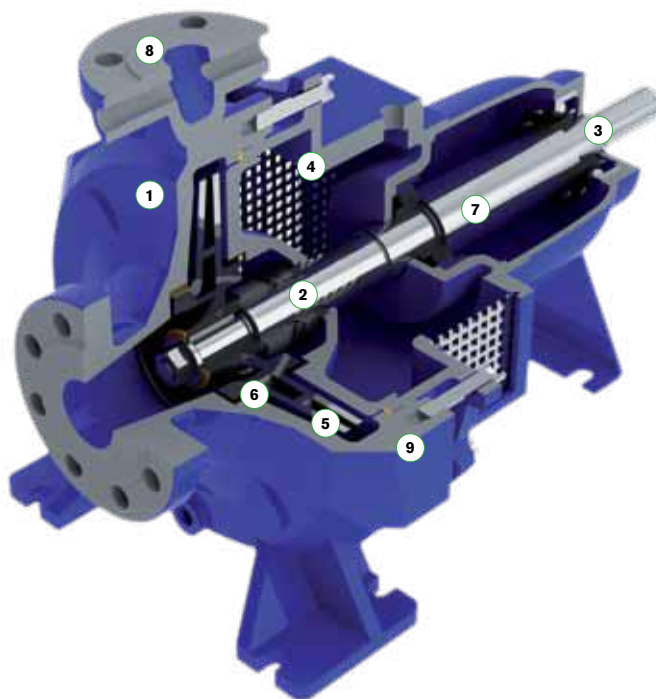
Flange drilling: ANSI or BS

MATERIAL SPECIFICATION	CASING	IMPELLER	SHAFT
SPEC J	Cast Iron	Stainless Steel	Stainless Steel
SPEC A8	Stainless Steel	Stainless Steel	Super Duplex
SPEC D1	Duplex	Duplex	Super Duplex
SPEC D2	Super Duplex	Super Duplex	Super Duplex

Please Note: A wide range of additional materials are available on request

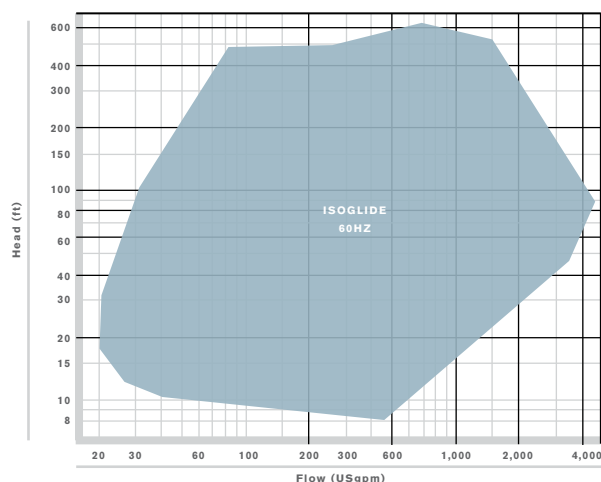
FEATURES + BENEFITS

- ① **Low energy costs**
Hydraulic design provides high efficiency, low NPSH and stable characteristics
- ② **Optimum seal performance**
Single, double and cartridge options. Packed gland available on request
- ③ **Extended bearing life**
Choice of bearing - single or double, grease or oil lubricated (only for long-coupled bearing)
- ④ **Ease of maintenance**
Back pull-out design allows full access without disturbing site pipework or driver
- ⑤ **Low power consumption**
Shrouded impeller design provides high efficiency and low hydraulic thrust
- ⑥ **Wear options**
Casing and impeller wear rings and shaft sleeve available as optional configurations
- ⑦ **Modular design**
Minimizes spares holding of back pull-out components
- ⑧ **Center line discharge**
Self venting casing design prevents air entrapment in the top of the casing
- ⑨ **Simplified build procedures**
Spigot design facilitates self setting axial clearance

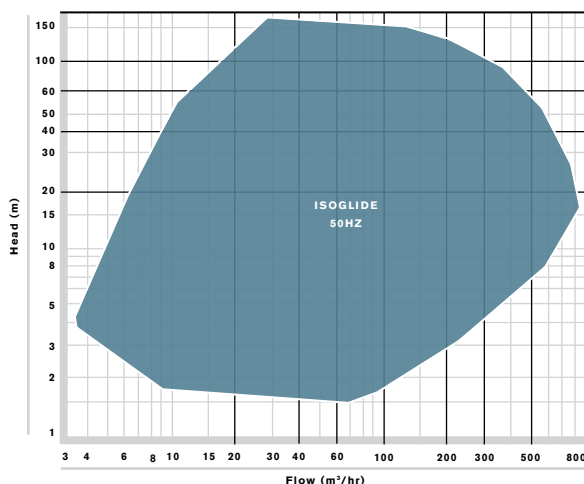


RANGE COVERAGE CHARTS

60HZ RANGE CHART



50HZ RANGE CHART



These charts cover the standard pump range. Other engineering designs exist for extreme applications