

# 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

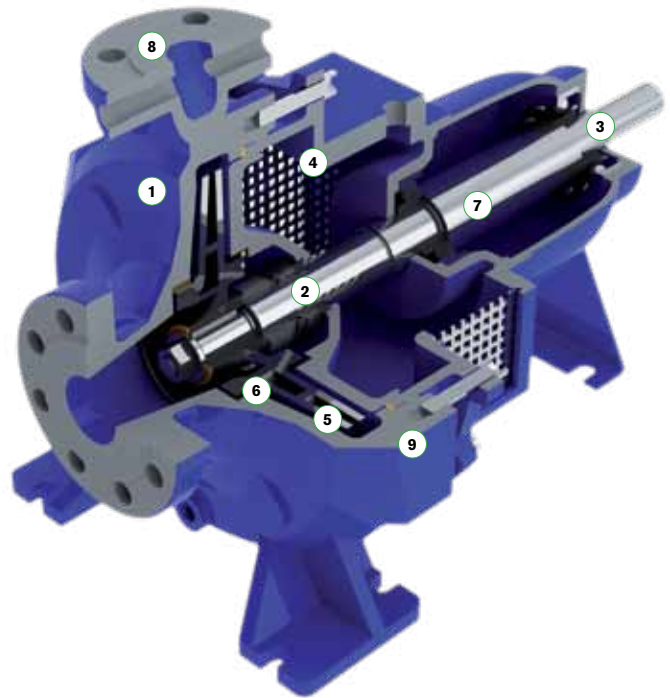
- Capacity:** up to 1,000 m<sup>3</sup>/hr / 4,400 USgpm
- Delivery head:** up to 200 m / 670 ft
- Temperature:** up to 120 °C / 250 °F
- Speeds:** up to 3,600 rpm
- Flange drilling:** ANSI or BS

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

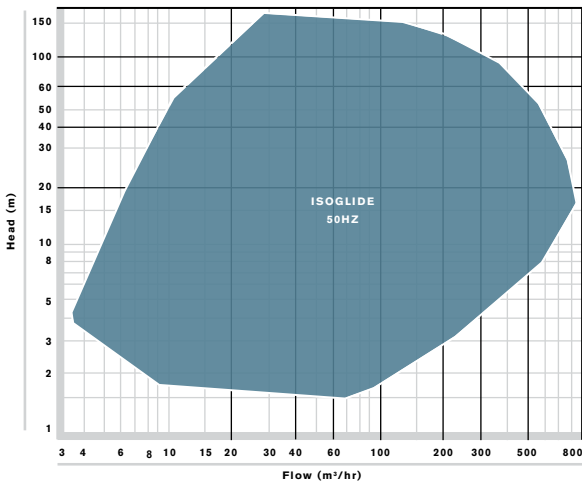
## FEATURES + BENEFITS

- 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**  
Minimises spares holding of back pull-out components
- 8 **Centre 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

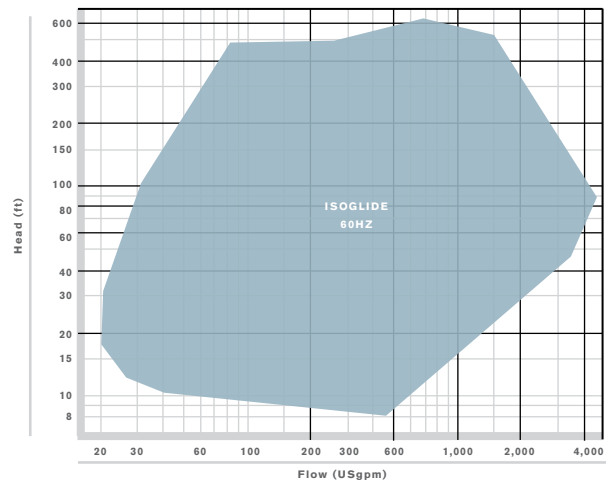


## RANGE COVERAGE CHARTS

50HZ RANGE CHART



60HZ RANGE CHART



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

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CUP-04-ISO-UK-02

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