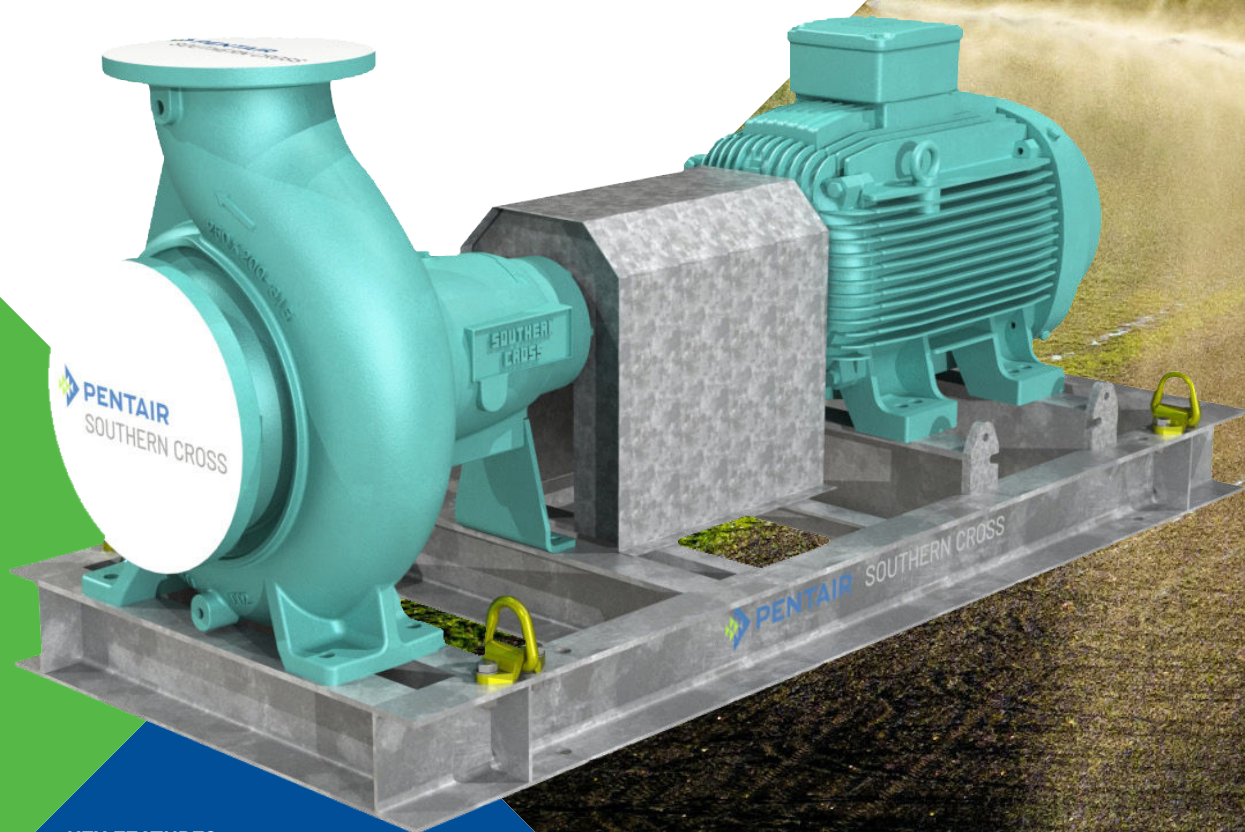


# ISO SOVEREIGN

## ISO 2858 STANDARD END SUCTION CENTRIFUGAL PUMPS

Benchmark centrifugal pumping performance and reliability



### KEY FEATURES

- Full ISO2858 compliant range
- Tapered shaft design – improved torque transmission, reduced stress concentration, and simplified impeller removal
- Investment cast 316SS impeller
- Heavy duty sealed for life grease packed ball bearings
- Hydrostatic tested pumps as standard

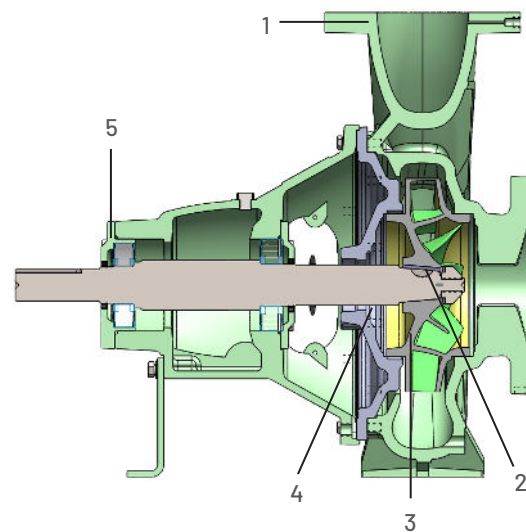
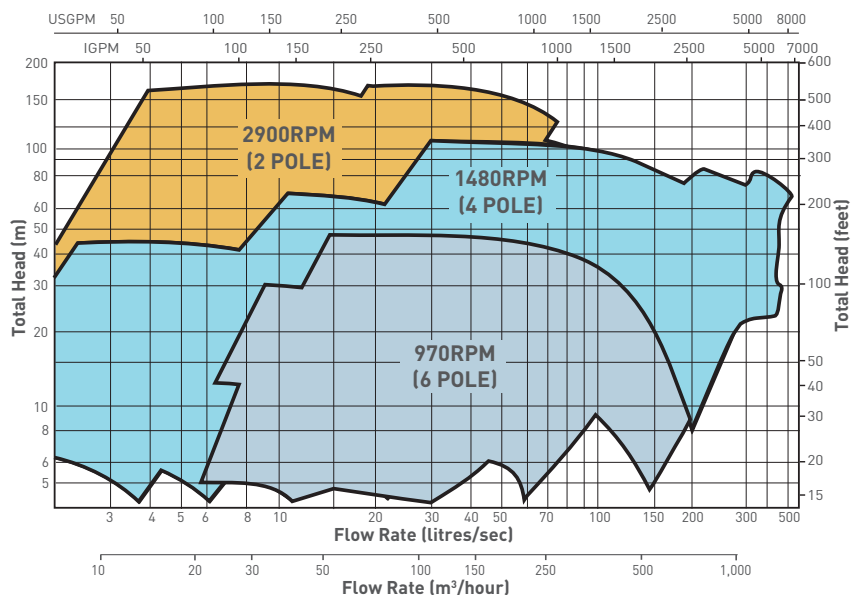
| APPLICATIONS        |                                  |
|---------------------|----------------------------------|
| Capacity:           | Maximum 500 litres/sec           |
| Max. Head:          | Maximum 160 metres               |
| Liquid Temp.:       | 0°C to +100°C                    |
| Max. Ambient Temp.: | up to 120°C with high-temp seals |
| Pumped Liquid:      | Clean Water                      |

| OPTIONS                              |  |
|--------------------------------------|--|
| Wear Rings                           |  |
| Mechanical Seal or Packed Gland Seal |  |
| Flange Drillings                     |  |
| Works Certified and Witness Testing  |  |
| Impeller Turndowns                   |  |
| Flexible Spacer Couplings            |  |
| Pressed or Welded Baseplates         |  |

| DESCRIPTION                | MATERIAL               |
|----------------------------|------------------------|
| Volute Casing              | Cast Iron              |
| Bearing Cover              | Cast Iron              |
| Impeller Nut & Lock Washer | 316 Stainless Steel    |
| Backplate                  | Cast Iron              |
| Impeller                   | 316 Stainless Steel    |
| Shaft Key                  | Key Steel              |
| Bearing Housing            | Cast Iron              |
| Shaft                      | 431 Stainless Steel    |
| Support Foot               | Mild Steel             |
| Casing Plug                | Zinc Plate             |
| Impeller Key               | Duplex Stainless Steel |
| Casing O-Ring              | Viton                  |
| Grand Flushing Plug        | Cast Iron              |
| Mechanical Seal*           | SiC/SiC/Viton          |
| Packed Gland               | Roflon                 |
| Wear Rings                 | Zinc Free Bronze       |

\*Optional mechanical seals include single and double cartridge, high temperature, hydro carbon, sea water and other options to suit particular applications.

## PERFORMANCE



| Item | Feature            | Benefit                                                                 |
|------|--------------------|-------------------------------------------------------------------------|
| 1    | AS1830/T260 Casing | High-grade casings for improved corrosion and erosion resistance        |
| 2    | Tapered Shaft      | Improved torque transmission and simplified impeller removal            |
| 3    | 316SS Impeller     | Investment cast precision impellers for high efficiency and performance |
| 4    | SiC/SiC/Viton Seal | Suitable for robust applications                                        |
| 5    | Ball Bearing       | Packed for life grease bearing for easy maintenance                     |



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