

SOUTHERN CROSS ISO PRO

ISO 5199 STANDARD END SUCTION CENTRIFUGAL PUMPS

WORLD LEADING HEAVY DUTY CENTRIFUGAL END SUCTION PUMPS



FEATURES

Superior hydraulic design and manufacturing methods for significantly higher efficiencies and reduced maintenance.

High efficiency double curvature impeller vanes.

32 to 200mm discharge.

Cast iron, zinc free bronze or stainless steel construction.

Wide range of options.

AS2129 Table "E" flanges as standard with optional drillings available.

Back-pullout design does not require the disconnection and removal of motor or suction and discharge lines for maintenance

Heavy duty oil lubricated double row ball bearings in drive end and single row roller bearings in wet end.

Taper mounted and keyed impeller.

Horizontal or vertical pump discharge mounting.

APPLICATIONS

Fire Protection

Mining

Irrigation

Industry

Processing

Agriculture

OPTIONS

Wear Rings

Mechanical Seal or Packed Gland Seal Oil or Grease Lubricated Bearings Paint and Internal Coatings Materials of Construction Flange Drillings

Works Certified and Witness Testing

Impeller Turndowns

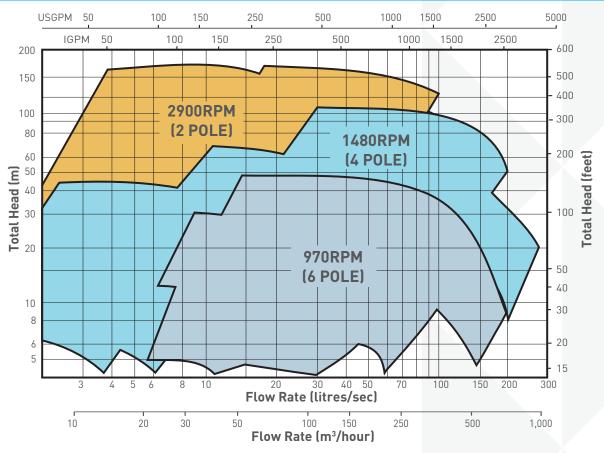
Flexible and Spacer Couplings

OPERATING LIMITS

Maximum 250 litres/sec Capacity Head Maximum 160 metres 0°C to +100°C Liquid Temp. Up to 140°C with high temp. seals Pumped Liquid Clean Water



PERFORMANCE



MATERIALS OF CONSTRUCTION

| Description | Material | | Optional Material | |
|----------------------------------|------------------------|---------------------|---------------------|---------|
| Volute Casing ¹ | Cast Iron | Zinc Free Bronze | 316 Stainless Steel | |
| Bearing Cover | Cast Iron | | | |
| Impeller Nut & Lock Washer | 316 Stainless Steel | | | |
| Backplate ¹ | Cast Iron | Zinc Free Bronze | 316 Stainless Steel | |
| Impeller ¹ | Cast Iron | Zinc Free Bronze | 316 Stainless Steel | |
| Shaft Key | Key Steel | | | |
| Bearing Housing | Cast Iron | | | |
| Shaft | 431 Stainless Steel | 316 Stainless Steel | SAF 2205 | |
| Support Foot | Mild Steel | | | |
| Casing Plug | Mild Steel Zinc Plated | Zinc Free Bronze | 316 Stainless Steel | |
| Impeller Key | Key Steel | | | |
| Casing O-Ring | Lurene | EPDM | Viton | Nitrile |
| Gland Flushing Plug ¹ | Cast Iron | Zinc Free Bronze | | |
| Mechanical Seal ² | C/Cer/Nitrile | SiC/SiC/Viton | | |
| Packed Gland | Roflon | | | |
| Wear Rings | Zinc Free Bronze | | | |

Other material options such as SG Iron, Duplex, Super Duplex, Durimet 20, CD4MCu, marine bronze, Ni-Resist and other exotic materials are available on an ETO basis. Contact Pentair Southern Cross or your local Southern Cross dealer for further details.
A range of mechanical seals are available including single and double cartridge, high temperature, hydro carbon, sea water and other options to suit

particular applications and operating conditions.



PENTAIR SOUTHERN CROSS

8618 Warrego Highway, Withcott, QLD 4352, Australia. www.southerncross.pentair.com

All Pentair trademarks and logos are owned by Pentair, Ltd. All other brand or product names are trademarks or registered marks of their respective owners. Because we are continuously improving our products and services, Pentair reserves the right to change specifications without prior notice. Pentair is an equal opportunity employer.

A.B.N. 83 000 922 690 © 2012 Pentair, Ltd. All Rights Reserved.