SOUTHERN CROSS AUS ISO

ISO 2858 STANDARD END SUCTION CENTRIFUGAL PUMPS

CENTRIFUGAL PUMPS FOR BUILDING SERVICES, FIRE PROTECTION AND HVAC

FEATURES

Superior hydraulic design for higher efficiencies and reduced operating cost.

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 allows removal of the pump rotating element without the removal of motor or suction and discharge lines for maintenance

Heavy duty sealed for life grease packed ball bearings.

Taper mounted and keyed impeller.

Horizontal or vertical pump discharge mounting.

APPLICATIONS

Building Services
Fire Water Service
Cooling & Heating Water Transfer

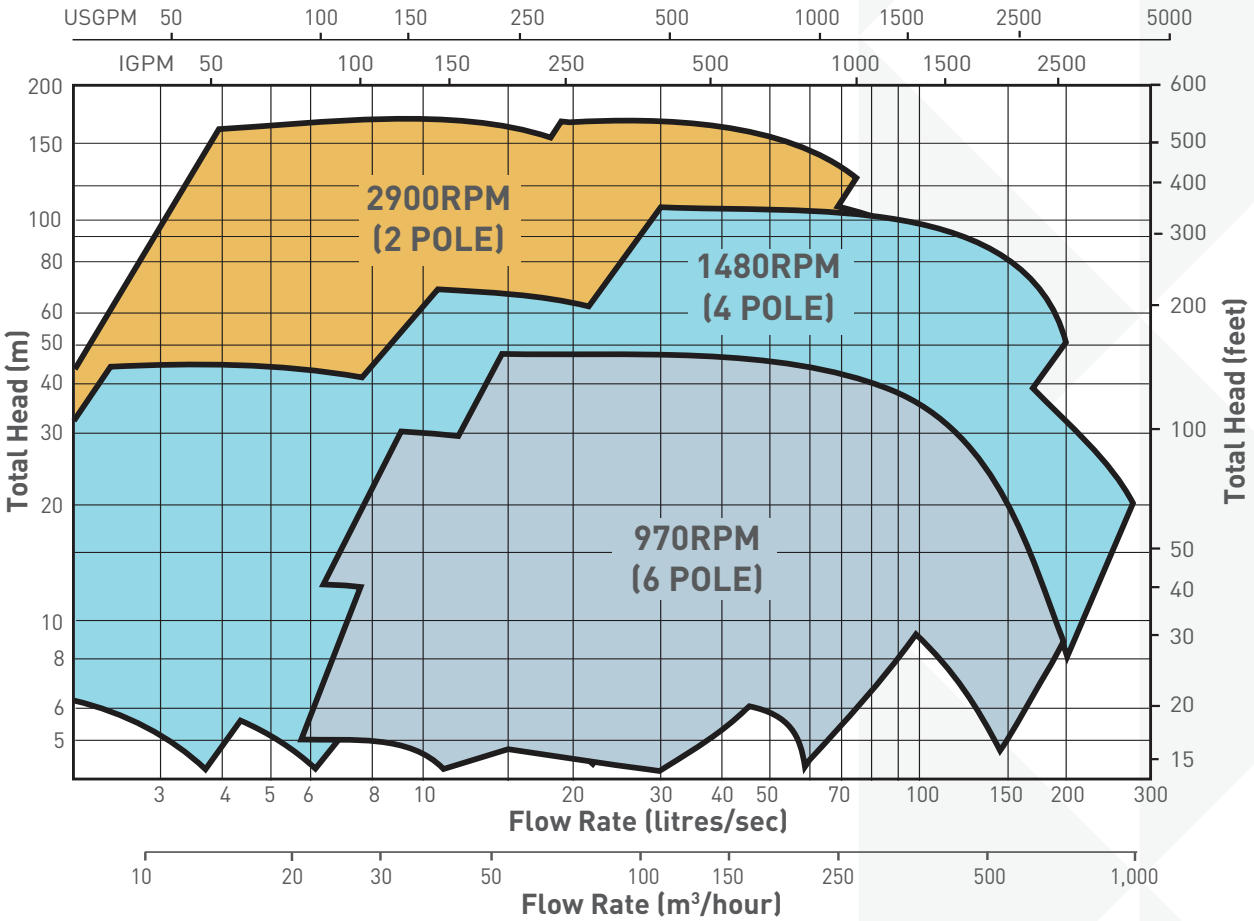
OPTIONS

Wear Rings
Mechanical Seal or Packed Gland Seal
Paint and Internal Coatings
Materials of Construction
Flange Drillings
Works Certified and Witness Testing
Impeller Turndowns
Flexible and Spacer Couplings
Pressed or Welded Baseplates

OPERATING LIMITS

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

PERFORMANCE



MATERIALS OF CONSTRUCTION

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

1. 316 Stainless Steel, Duplex, Super Duplex, Durimet 20, CD4MCu, marine bronze, Ni-Resist and other exotic materials are available with the ISO PRO pump.
2. Optional mechanical seals include single and double cartridge, high temperature, hydro carbon, sea water and other options to suit particular applications.

PENTAIR

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