

# 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 (1 1/4" - 8") 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

Mining  
Irrigation  
Fire Protection  
Industry  
Processing  
Agriculture

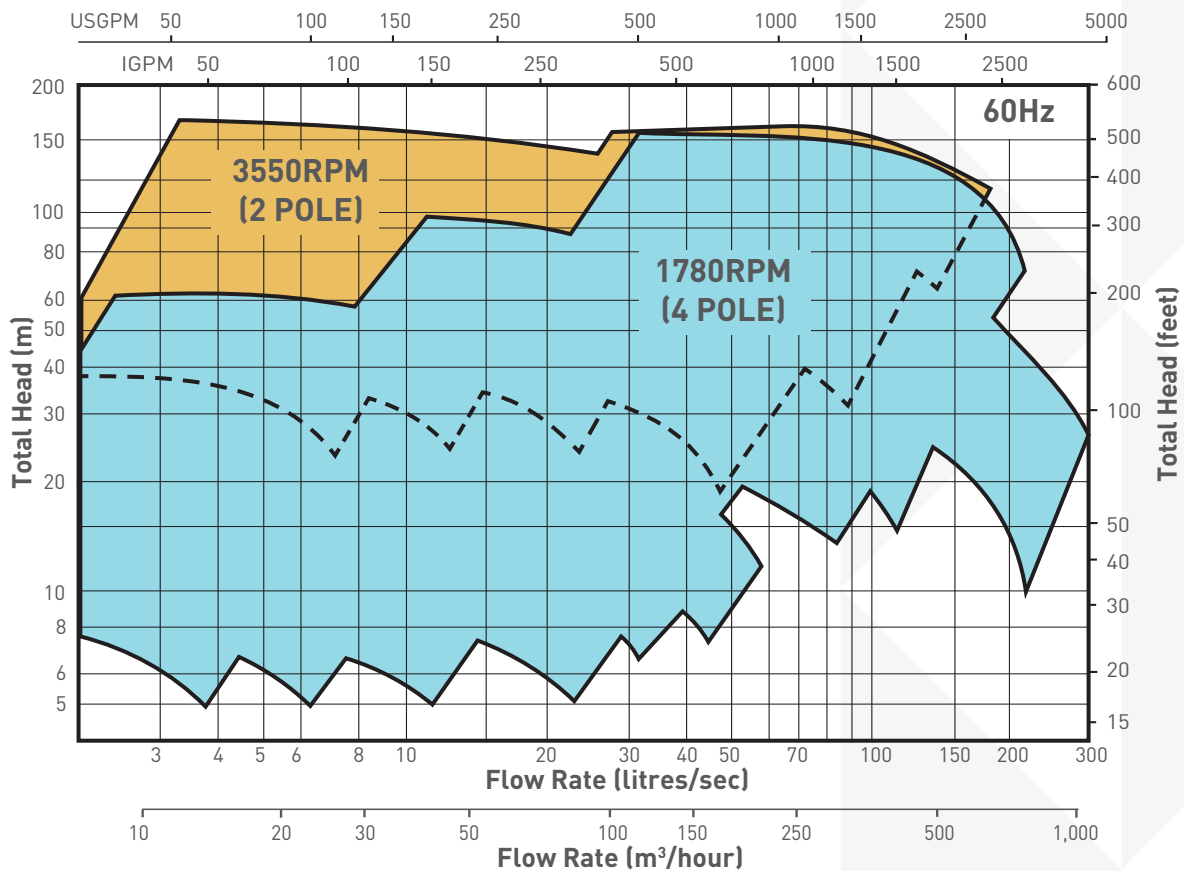
### OPTIONS

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

Capacity	Maximum 300 litres/sec (Max. 4750USGPM)
Head	Maximum 160 metres (Max. 515 feet)
Liquid Temp.	0°C to +100°C (32°F - 212°F) Up to 140°C (284°F) with high temp. seals
Pumped Liquid	Clean Water

## PERFORMANCE



## MATERIALS OF CONSTRUCTION

Description	Material	Optional Material		
Volute Casing <sup>1</sup>	Cast Iron	Zinc Free Bronze	316 Stainless Steel	
Bearing Cover	Cast Iron			
Impeller Nut & Lock Washer	316 Stainless Steel			
Backplate <sup>1</sup>	Cast Iron	Zinc Free Bronze	316 Stainless Steel	
Impeller <sup>1</sup>	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 <sup>1</sup>	Cast Iron	Zinc Free Bronze		
Mechanical Seal <sup>2</sup>	C/Cer/Nitrile	SiC/SiC/Viton		
Packed Gland	Roflon			
Wear Rings	Zinc Free Bronze			

1. 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.

2. 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](http://www.southerncross.pentair.com)

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