

# SOUTHERN CROSS STARLINE END SUCTION CENTRIFUGAL MOTORPUMPS

RELIABLE SPACE SAVING END SUCTION CENTRIFUGAL MOTORPUMPS



## FEATURES

Compact close coupled motorpump design.

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.

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

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

Choice of high quality WEG TEFC IP55 motors with sealed for life (11kW/15hp and under) or regreasable (15kW/20hp and over) motor bearings.

Taper mounted and keyed impeller.

Horizontal or vertical pump discharge mounting.

## APPLICATIONS

Industry  
Building Services  
Irrigation  
Processing  
Mining  
Agriculture

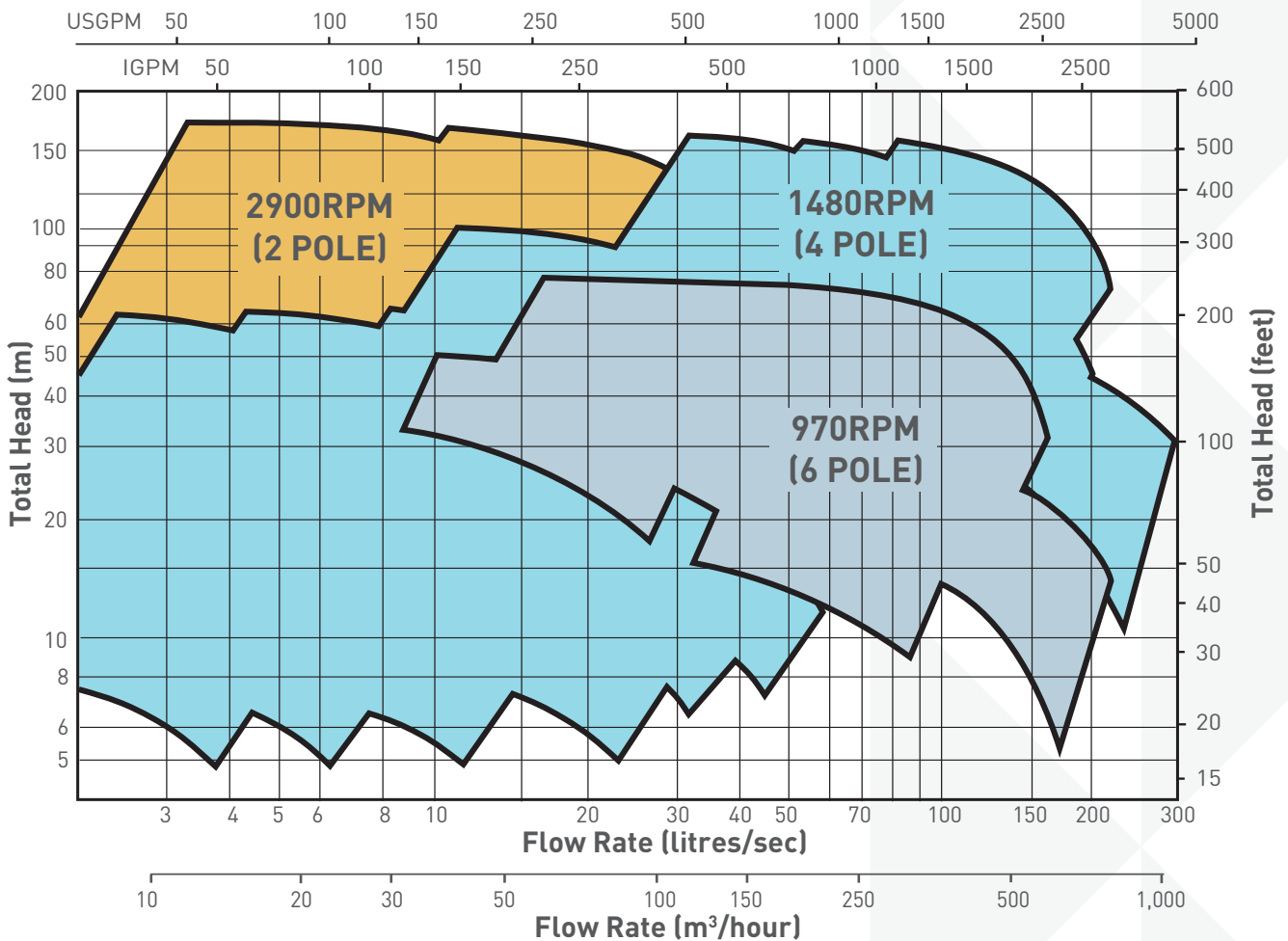
## OPTIONS

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

## 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>2</sup>	Cast Iron	Zinc Free Bronze <sup>1</sup>	316 Stainless Steel <sup>1</sup>	
Impeller Nut & Lock Washer	316 Stainless Steel			
Backplate <sup>2</sup>	Cast Iron	Zinc Free Bronze <sup>1</sup>	316 Stainless Steel <sup>1</sup>	
Impeller <sup>2</sup>	Cast Iron	Zinc Free Bronze <sup>1</sup>	316 Stainless Steel <sup>1</sup>	
Shaft Key	Key Steel			
Shaft	431 Stainless Steel	316 Stainless Steel <sup>1</sup>		
Support Foot	Mild Steel			
Volute Casing Plug	Mild Steel Zinc Plated	Zinc Free Bronze <sup>1</sup>	316 Stainless Steel <sup>1</sup>	
Impeller Key	Key Steel			
Casing O-Ring	Lurene	EPDM	Viton	Nitrile
Mechanical Seal <sup>3</sup>	C/Cer/Nitrile	SiC/SiC/Viton		
Wear Rings	Zinc Free Bronze			

1. Material options only available with Star-Pro pumps.

2. 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.

3. A range of mechanical seals are available including high temperature, hydro carbon, sea water and other options to suit particular applications and operating conditions.



### PENTAIR SOUTHERN CROSS

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