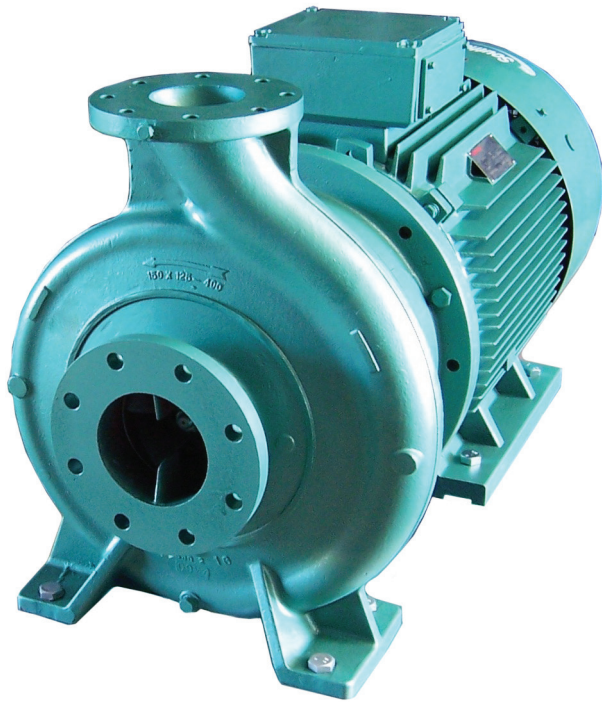


# SOUTHERN CROSS STARLINE END SUCTION CENTRIFUGAL MOTORPUMPS

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 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 and under) or regreasable (15kW and over) motor bearings.

Taper mounted and keyed impeller.

Horizontal or vertical pump discharge mounting.

## APPLICATIONS

Industry  
Building Services  
Irrigation  
Processing  
Mining  
Agriculture

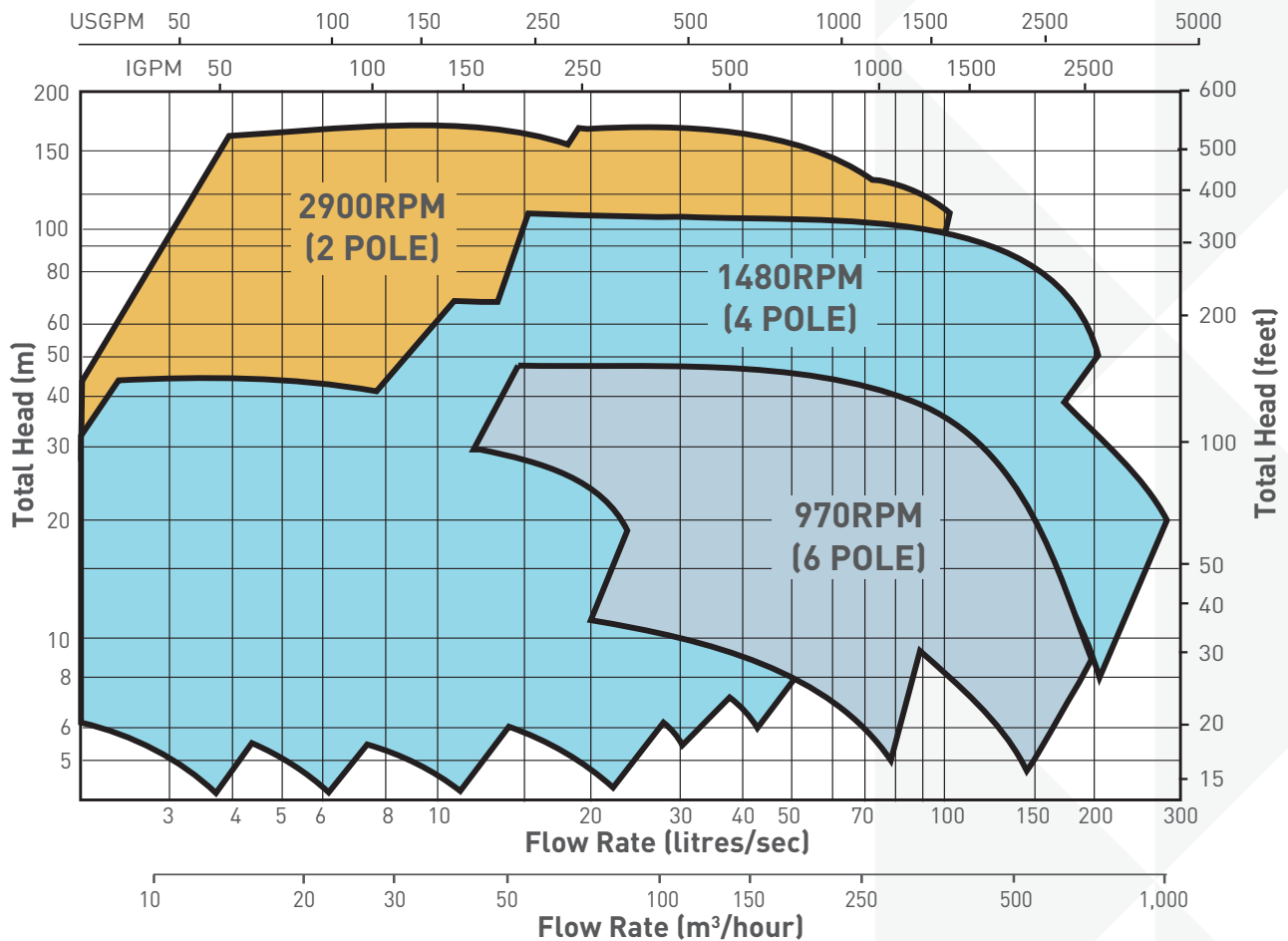
## OPTIONS

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 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	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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