

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

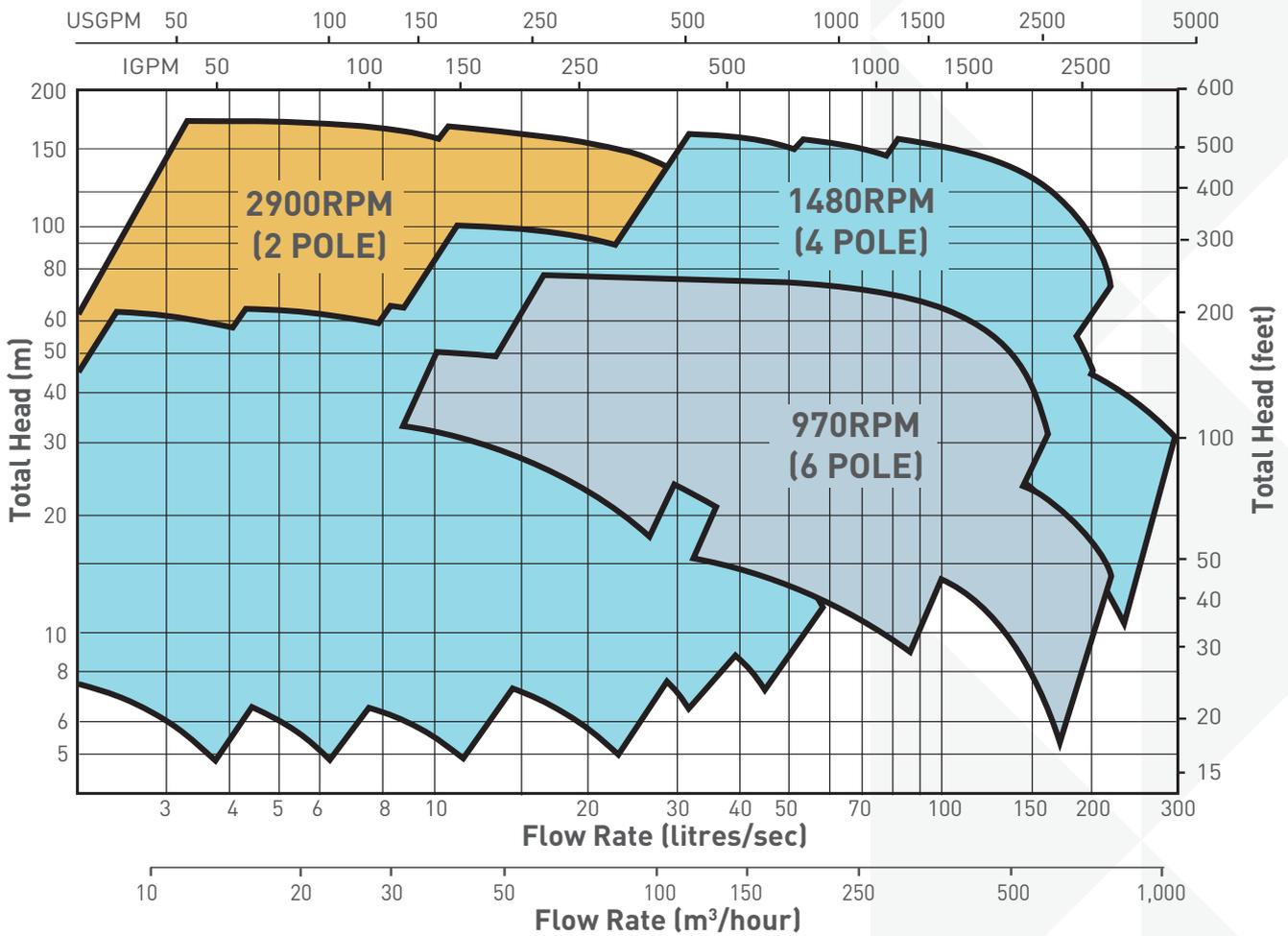
OPTIONS

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 ²	Cast Iron	Zinc Free Bronze ¹	316 Stainless Steel ¹	
Impeller Nut & Lock Washer	316 Stainless Steel			
Backplate ²	Cast Iron	Zinc Free Bronze ¹	316 Stainless Steel ¹	
Impeller ²	Cast Iron	Zinc Free Bronze ¹	316 Stainless Steel ¹	
Shaft Key	Key Steel			
Shaft	431 Stainless Steel	316 Stainless Steel ¹		
Support Foot	Mild Steel			
Volute Casing Plug	Mild Steel Zinc Plated	Zinc Free Bronze ¹	316 Stainless Steel ¹	
Impeller Key	Key Steel			
Casing O-Ring	Lurene	EPDM	Viton	Nitrile
Mechanical Seal ³	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.



Authorized Distributor:

www.trimcorph.com



TRIUMPH MACHINERY CORPORATION
THE PUMP, MOTOR & DRIVES SPECIALIST