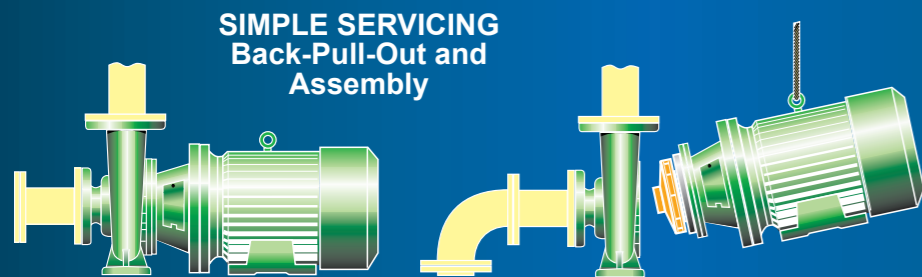




## “STAR-LINE” CENTRIFUGAL MOTORPUMPS



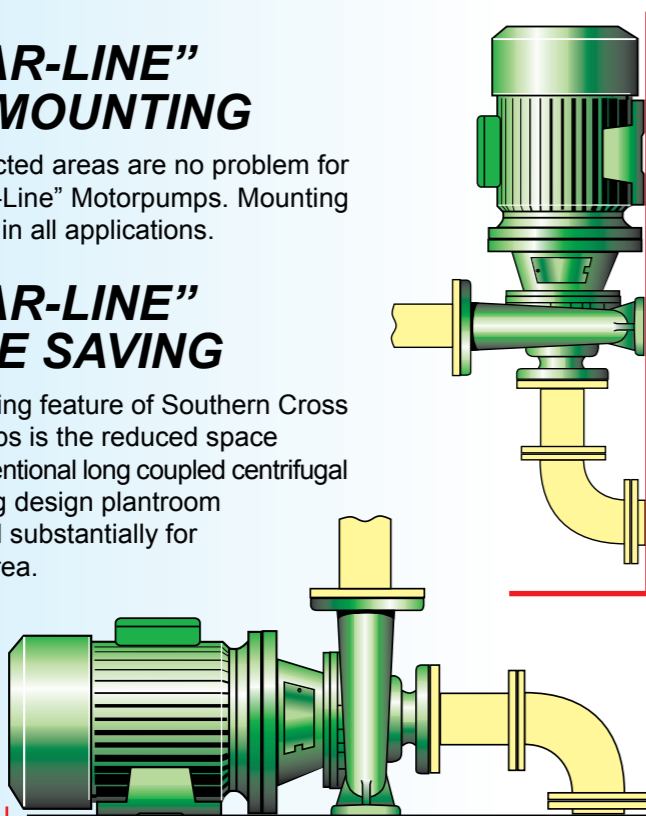
Southern Cross “Star-Line” Motorpumps offer time and cost saving advantages during servicing. Pump body, with suction and discharge lines attached, remains undisturbed during back-pull-out and reassembly. The complications of flexible coupling disassembly and realignment associated with long coupled pump units are also totally eliminated.

### “STAR-LINE” PUMP MOUNTING

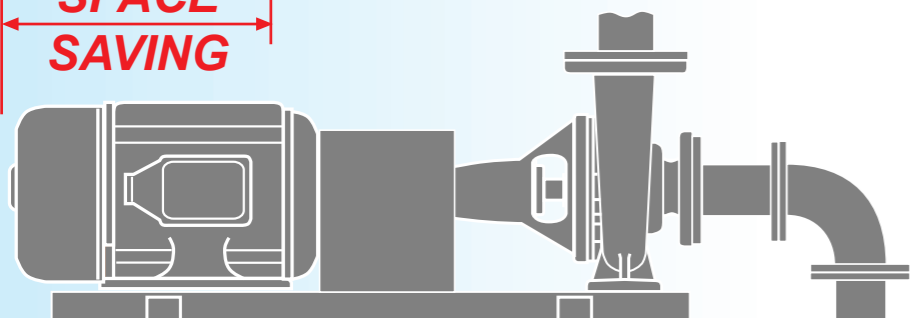
Wells and other restricted areas are no problem for Southern Cross “Star-Line” Motorpumps. Mounting is simple and efficient in all applications.

### “STAR-LINE” SPACE SAVING

A substantial cost saving feature of Southern Cross “Star-Line” Motorpumps is the reduced space requirement over conventional long coupled centrifugal pump units. In building design plantroom space can be reduced substantially for big savings on floor area. Where space is already limited “Star-Line” Motorpumps provide a space saving and economical solution.



**SPACE  
SAVING**



A division of **tyco** Flow Control Pacific Pty Ltd  
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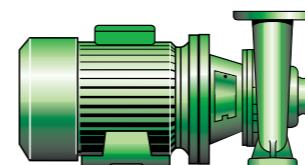
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## “STAR-LINE” CENTRIFUGAL MOTORPUMPS



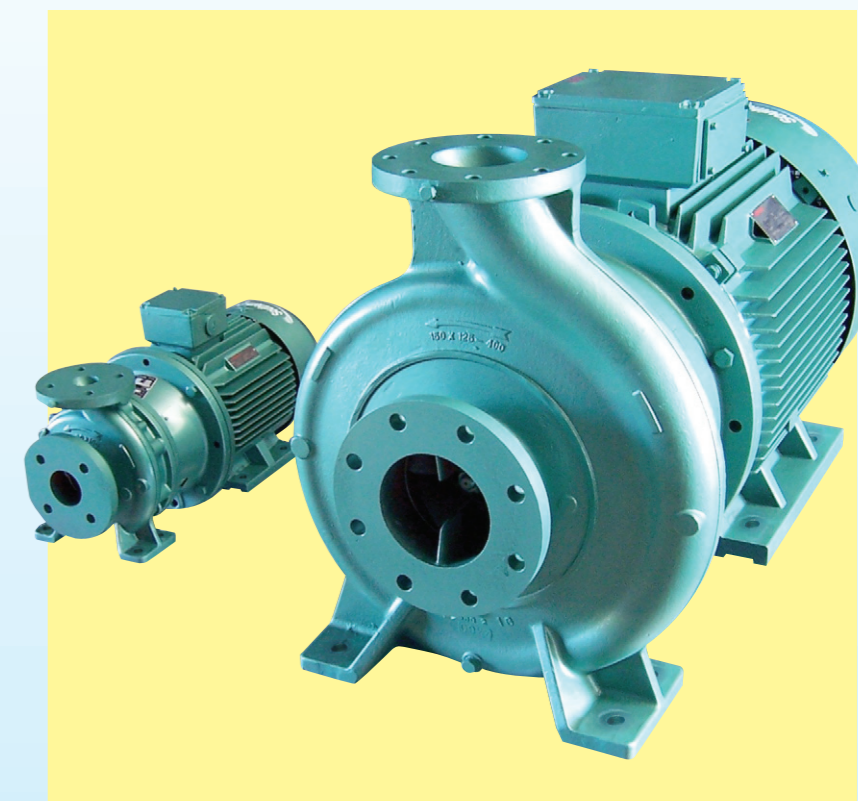
# AUSTRALIAN MADE TO ISO 2858 STANDARD

### APPLICATIONS

- Designed for efficient and reliable general purpose water transfer in industry, building services and irrigation.

### FEATURES

- Space saving design
- Superior hydraulic design & manufacturing methods produce significantly higher efficiencies for lower running costs and reduced maintenance.
- Australian designed and manufactured.
- Up to 100 litres per second discharge.
- Australia wide service and backup.
- 32 to 125mm discharge.
- Wide range of options.
- Heads to 160 metres.



**...setting the  
standard for pump  
performance and quality...**

# Southern Cross

## "STAR-LINE" CENTRIFUGAL MOTORPUMPS

## "STAR-LINE" CENTRIFUGAL MOTORPUMPS

# Southern Cross

### 2 YEAR WARRANTY

Australian made  
to...  
ISO 2858  
International Standard

...setting the standard  
for pump performance  
and quality...

### REDUCED RUNNING COSTS

Superior hydraulic design and high technology manufacturing methods produce significantly higher efficiencies for less power consumption and minimum maintenance ...features which guarantee Southern Cross "Star-Line" Motorpump users continuing savings in all applications.

### GENERAL-PURPOSE PUMPS

Southern Cross "Star-Line" Motorpumps offer top efficiency and reliability for a full range of general purpose water transfer applications in industry, building services and irrigation.

### INTERNATIONAL STANDARD

Conforming with ISO2858 Standard means dimensional interchangeability with other makes of pumps, manufactured to the same international standard, however because of design superiority Southern Cross "Star-Line" Motorpumps exceed the performance standard.

### "ISO Star-Line" FEATURES

These Australian designed and manufactured Southern Cross "Star-Line" Motorpumps are readily available in a full range of sizes, backed not only by an Australia wide service and spare parts network, but with an extensive group of international stock and service centres.

Special design features of Southern Cross "Star-Line" Motorpumps include the use of standard off-the-shelf foot and flanged electric motors with highly accurate clamp on shaft extensions; taper mounted and keyed impeller for easy removal from shaft during servicing and positive locking during operation; heavy duty stainless steel shaft extension for safe operation at high speed; AS1830/T260 cast iron volute for added safety; reusable "O" ring body seal; hydraulically and dynamically balanced impellers; and highly efficient suction performance from double curvature impeller vanes.



### ● STANDARD FEATURES

Type 316 stainless steel shaft extension; S.G. cast iron motor shaft clamp; TEFC IP55 motor; rugged cast iron volute with integral suction and discharge flanges and mounting feet; pressure rated to 1600kPa (160 metres head); cast iron impeller and backplate; stainless steel impeller nut; rigid cast iron bell housing connects motor and pump bell housing; and single mechanical seal.

### ● OPTIONAL MATERIALS

Zinc-free bronze impeller and Molybond coating.

### ● OPTIONAL EXTRAS

Zinc-free bronze wear rings for impeller, volute and backplate; optional single mechanical seals; optional motor specifications and classes; works certified and witnessed tests for guaranteed performance; impeller turn-downs; and pressed or welded steel baseplates.

### ● MAXIMUM OPERATING TEMP.

Maximum pumped liquid temperature for Southern Cross "Star-Line" Motorpumps is 100°C using standard seals. Liquids up to 140°C can be handled using special seals... consult Southern Cross Customer Service Unit for further information.

### PUMP CONSTRUCTION FEATURES...

SUPERIOR HYDRAULIC DESIGN  
FOR GREATER PERFORMANCE  
AND REDUCED RUNNING COSTS

STANDARD FLANGED, FOOT  
MOUNTED ELECTRIC MOTOR

MOTOR SHAFT

TAPPED CONNECTION  
FOR PRESSURE  
GAUGE

FLANGES TO AS2129  
TABLE "E" OPTIONAL  
DRILLINGS ON REQUEST

REUSABLE "O"  
RING SEAL  
BETWEEN PUMP  
VOLUTE AND  
BACKPLATE

HEAVY DUTY  
STAINLESS STEEL  
SHAFT EXTENSION

TAPER MOUNTED AND  
KEYED IMPELLER FOR  
EASY REMOVAL AND  
POSITIVE LOCKING

TAPPED CONNECTION  
FOR SUCTION GAUGE

TAPPED AND PLUGGED  
VOLUTE DRAIN HOLE

RIGID CAST IRON BELL  
HOUSING ACCURATELY  
ALIGNS MOTOR AND PUMP

SEPARATE BACKPLATE FOR  
EASY PUMP SERVICING

STURDY MOUNTING FEET CAST  
INTEGRAL WITH PUMP BODY

### PUMP SELECTION GUIDE

