

# Thruststream – Split Case Pumps



Hoogeindsestraat 5  
NL - 5447 PD Rijkevoort  
Nederland  
T : +31 (0) 485 - 371318  
F : +31 (0) 485 - 371918  
info@pompentechniek.nl  
www.pompentechniek.nl



Thruststream is specially designed for industrial/general purpose users and is one of a comprehensive range of split case products available from SPP. Each range is designed to meet the particular needs of the markets it serves.

The split case design facilitates quick and easy access to the pump internals for routine inspection and maintenance. **Interchangeability throughout the range minimises number of components**, therefore, saving stock holding of spare parts within factories or buildings.

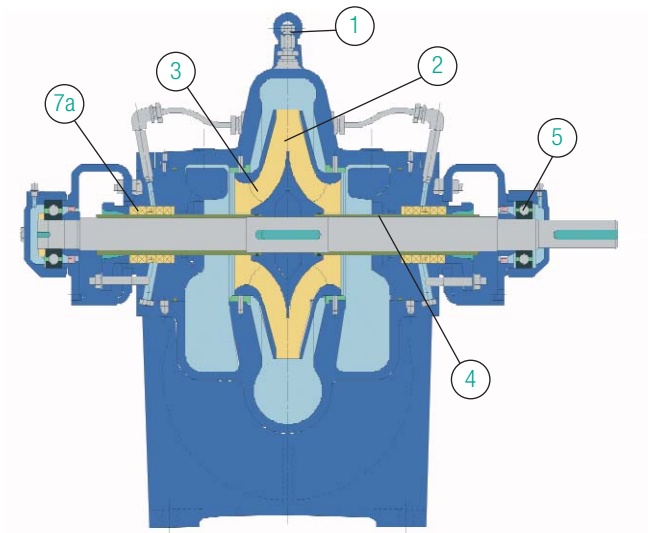
## Typical Applications:

- Circulating duties
- Water boosting
- Irrigation
- Heating and air conditioning
- Process cooling



## SPP PUMPS

Jansen Pompentechniek T: +31(0)485-371318 E: info@pompentechniek.nl



## Specifications

|                                   |                                     |
|-----------------------------------|-------------------------------------|
| <b>Pumps Models:</b>              | 22                                  |
| <b>Discharge Range Sizes:</b>     | 65mm to 350mm                       |
| <b>Temperature:</b>               | 80°C standard. Optional up to 120°C |
| <b>Maximum Capacity:</b>          | 4000m³/hr (1100 l/s)                |
| <b>Maximum Differential Head:</b> | 240m                                |
| <b>Electricity Supply:</b>        | 50 and 60Hz                         |
| <b>Sealing Options:</b>           | Soft packed or mechanical seal      |
| <b>Operating Pressures:</b>       | Up to 25 bar depending on model     |

## Materials of Construction

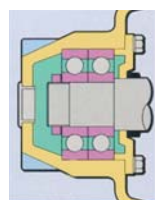
|                     |                                       |
|---------------------|---------------------------------------|
| <b>Casing</b>       | Cast iron                             |
| <b>Impeller</b>     | Cast iron, bronze or zinc free bronze |
| <b>Wear Ring</b>    | Cast iron or bronze                   |
| <b>Insert</b>       | Cast iron                             |
| <b>Shaft Sleeve</b> | Bronze or stainless steel             |
| <b>Shaft</b>        | High tensile or stainless steel       |

## Design Features

Robust modular split case design with suction and discharge flanged connections in the lower half of the casing. Top half casing and rotating assembly can be removed without disturbing suction and discharging pipework.

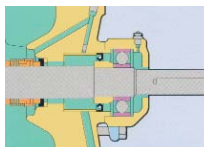
A choice of horizontal or vertical configurations with clockwise or counter clockwise rotations to suit station design.

- 1 Air release valve fitted to assist in priming operation
- 2 Double entry impeller, offers advanced impeller design
- 3 All pumps are fitted with case wear rings
- 4 Robust shaft protected by sealed shaft sleeves. Shaft sleeves, where fitted, lock impeller in position and extend through the sealing area. **(Only three shaft sizes cover complete range)**
- 5 Grease lubricated rolling element bearings
- 6 Double row grease lubricated rolling element bearings are available when required on selected models



6: Double row grease lubricated bearings

- 7 Choice of sealing systems:
  - a) Soft packed with lantern ring and gland follower
  - b) Inboard component mechanical seal
  - c) Outboard mechanical seal fitted on shaft sleeve or directly on shaft



7b: Inboard component mechanical seal



7c: Outboard component mechanical seals



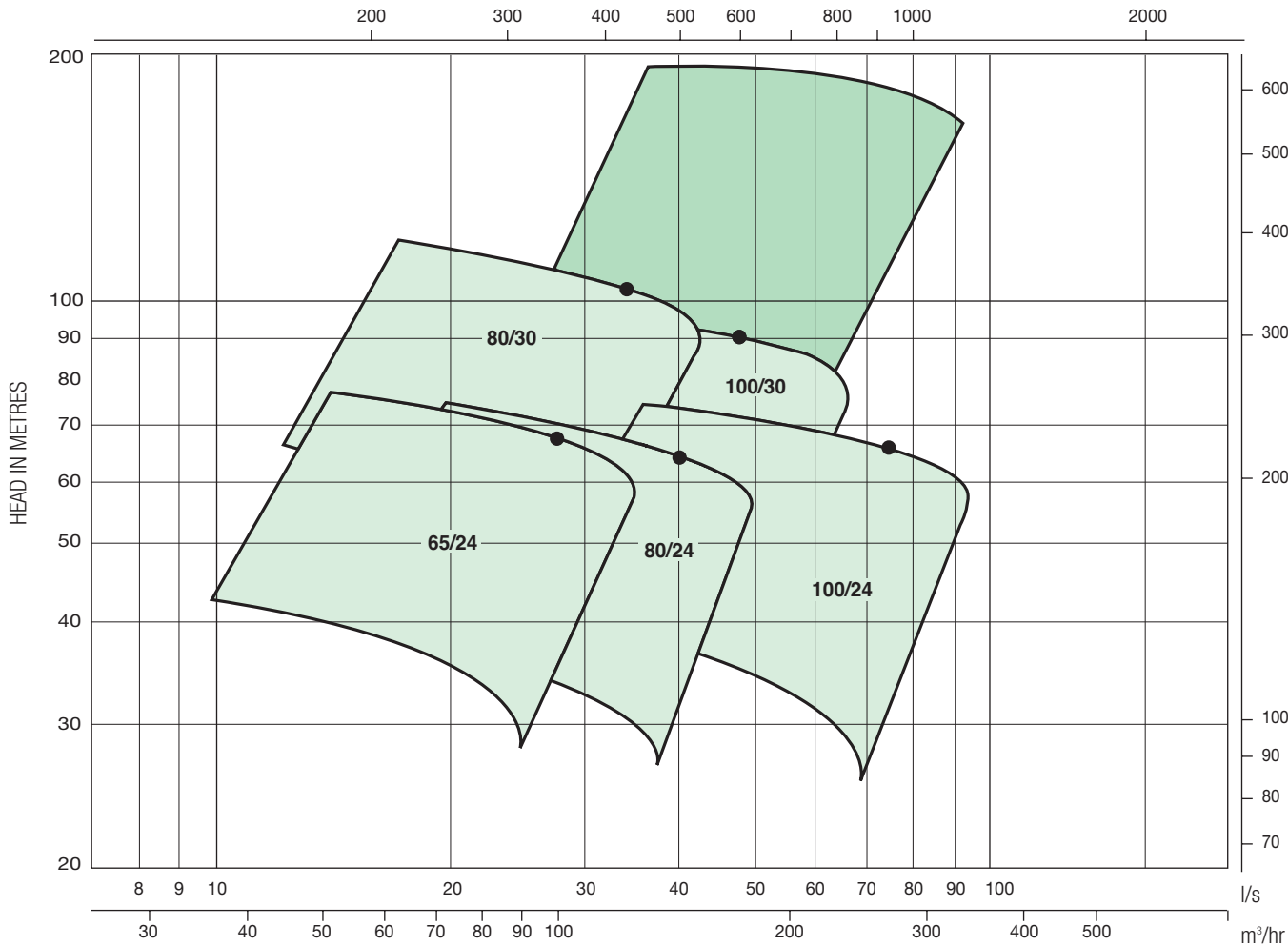
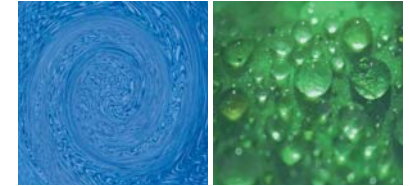
Assessed to ISO 9001:2000  
Certificate No. 111



Certificate number: EMS111  
Issue 1

# Thrustream - Split Case Pumps

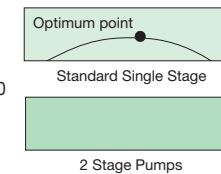
50Hz  
2900 R.P.M.



Imp.g.p.m



- Various material options available
- Impellers cut to duty point
- Vast interchangeability of components
- Ease of maintenance

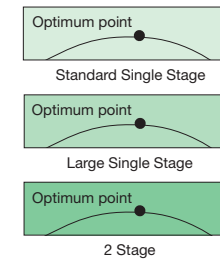
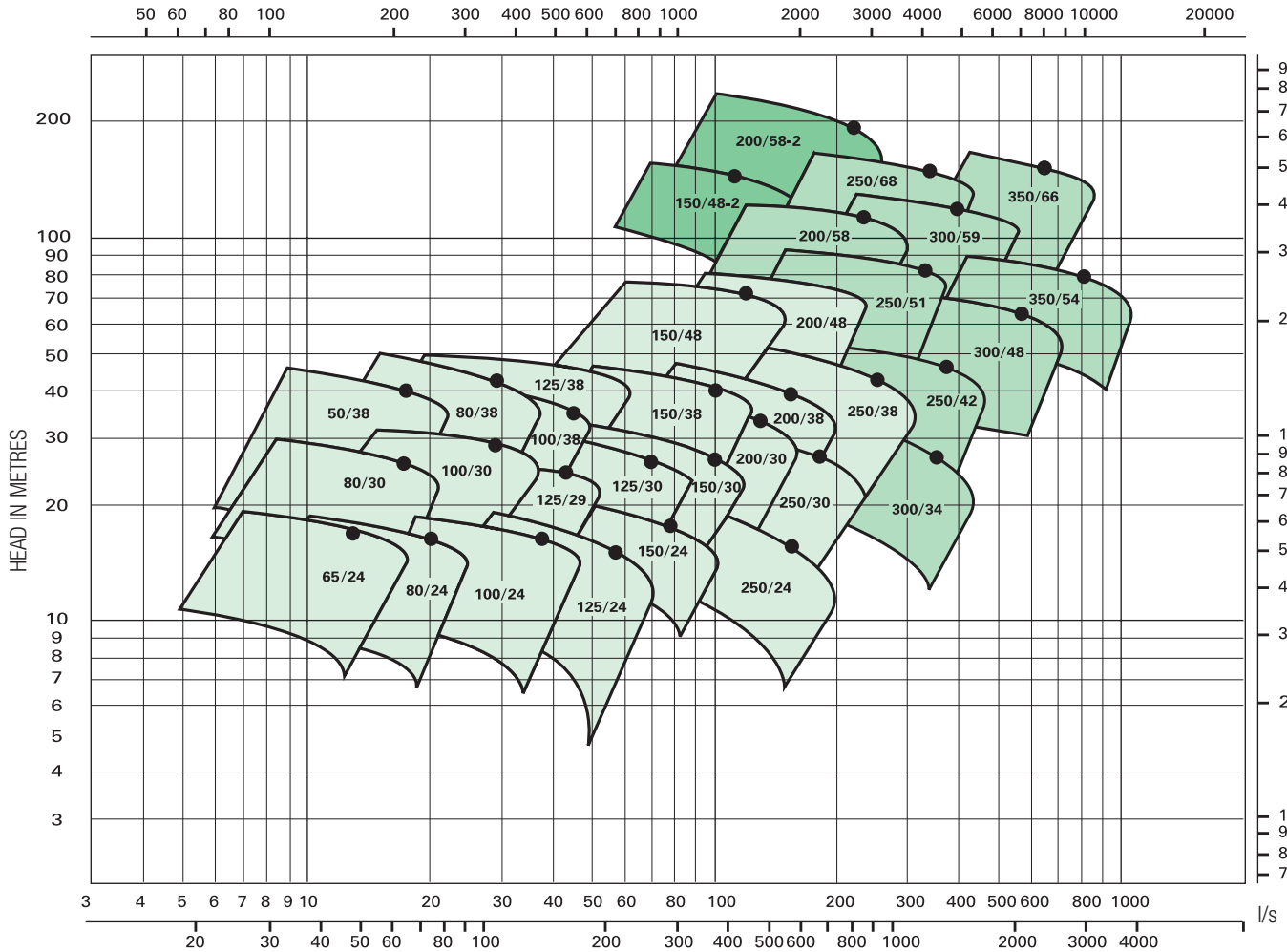
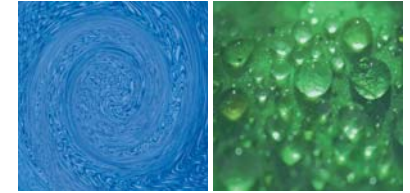


**SPP PUMPS**

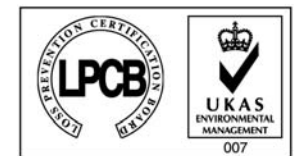


# Thruststream - Split Case Pumps

50Hz  
1450 R.P.M.



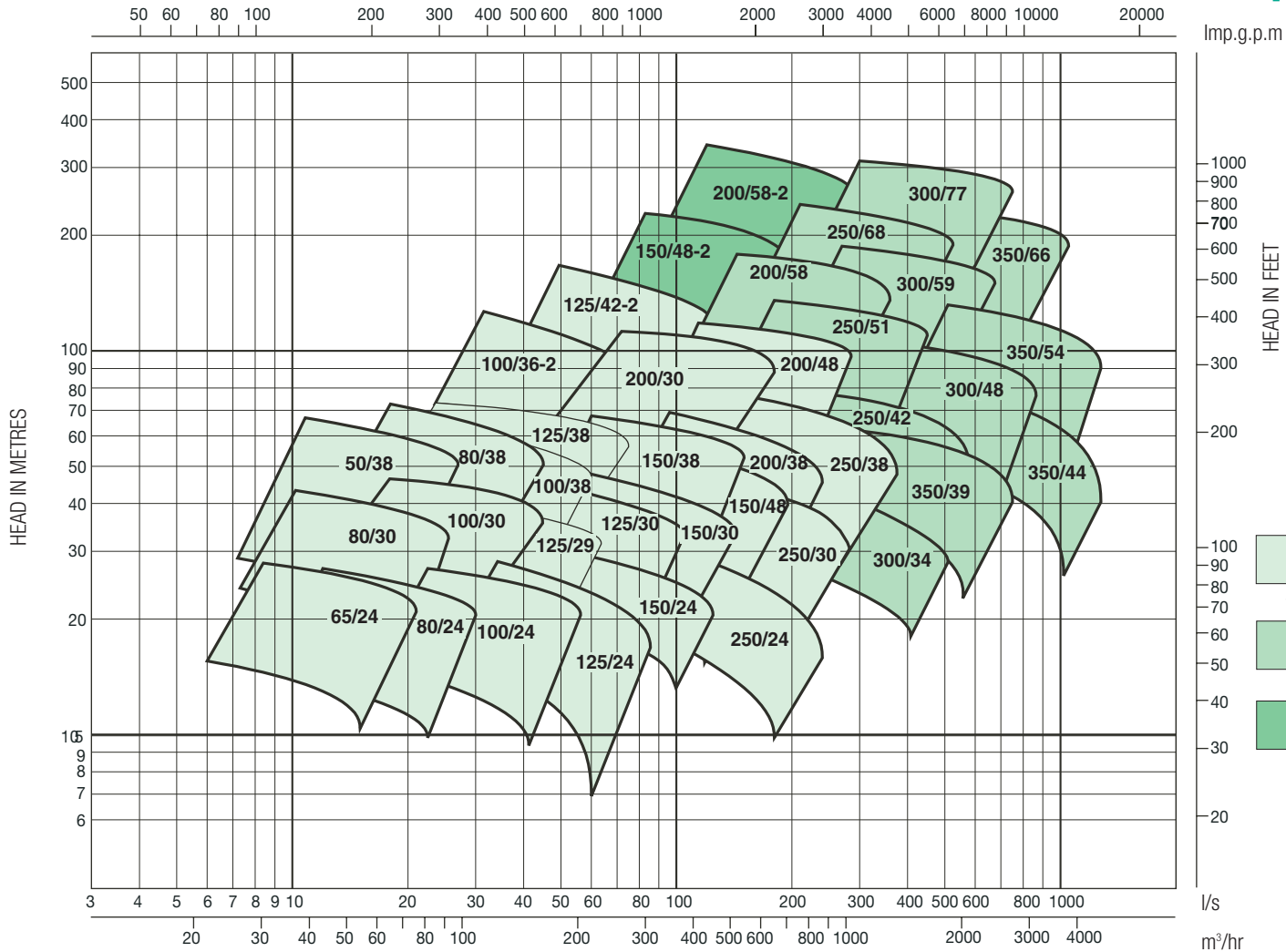
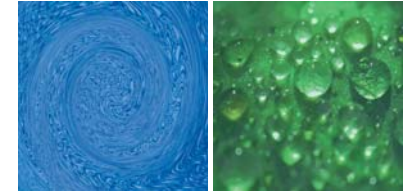
Assessed to ISO 9001:2000  
Certificate No. 111



Certificate number: EMS111  
Issue 1

# Thrustream - Split Case Pumps

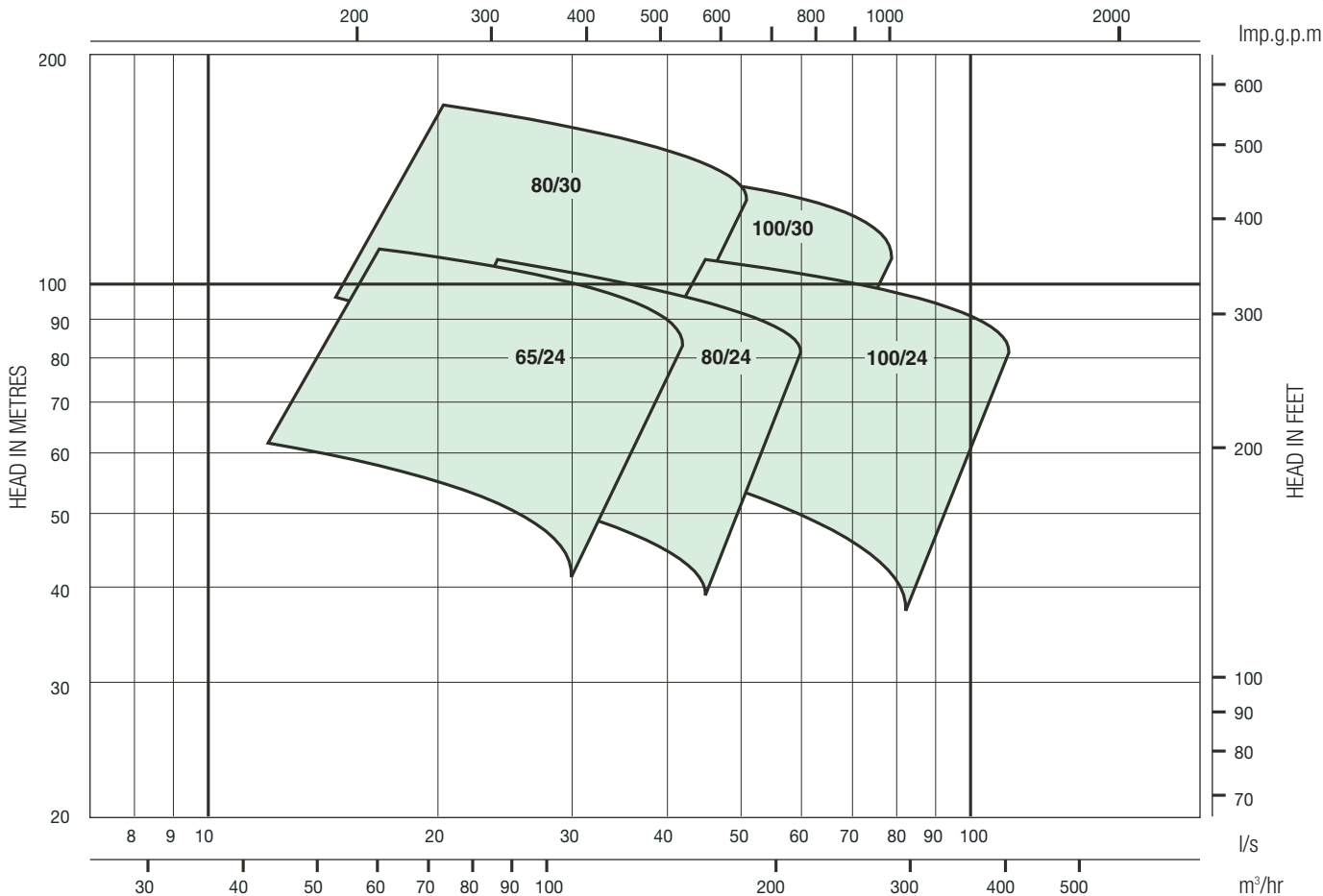
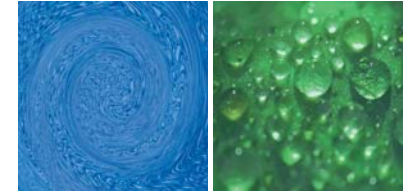
4 Pole  
60Hz  
1760 R.P.M.



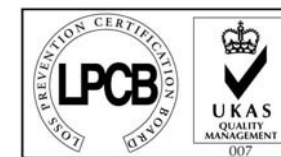
SPP PUMPS

# Thruststream - Split Case Pumps

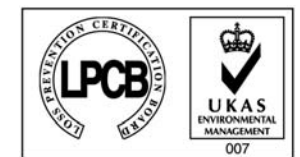
2 Pole  
60Hz  
3500 R.P.M.



- Various material options available
- Impellers cut to duty point
- Vast interchangeability of components
- Ease of maintenance



Assessed to ISO 9001:2000  
Certificate No. 111



Certificate number: EMS111  
Issue 1