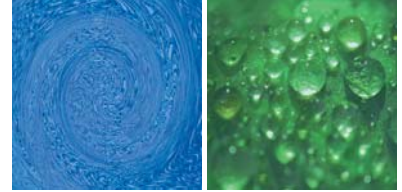


Thrustream – Split Case Pumps



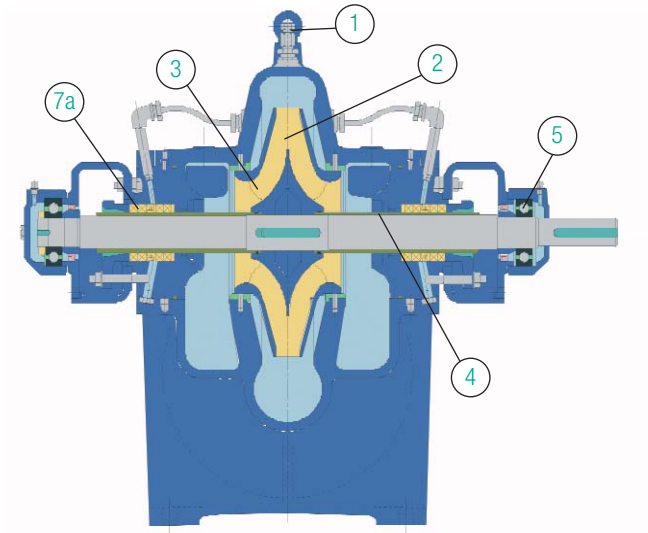
Thrustream is specially designed for industrial/general purpose users and is one of a comprehensive range of split case products available from SPP. Each range is designed to meet the particular needs of the markets it serves.

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





Specifications

Pumps Models:	22
Discharge Range Sizes:	65mm to 350mm
Temperature:	80°C standard. Optional up to 120°C
Maximum Capacity:	4000m ³ /hr (1100 l/s)
Maximum Differential Head:	240m
Electricity Supply:	50 and 60Hz
Sealing Options:	Soft packed or mechanical seal
Operating Pressures:	Up to 25 bar depending on model

Materials of Construction

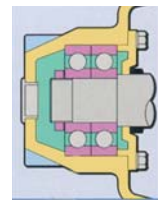
Casing	Cast iron
Impeller	Cast iron, bronze or zinc free bronze
Wear Ring	Cast iron or bronze
Insert	Cast iron
Shaft Sleeve	Bronze or stainless steel
Shaft	High tensile or stainless steel

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.

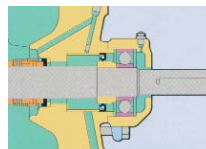
A choice of horizontal or vertical configurations with clockwise or counter clockwise rotations to suit station design.

- 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



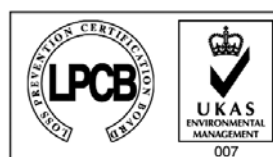
7b: Inboard component mechanical seal



7c: Outboard component mechanical seals



Assessed to ISO 9001:2000
Certificate No. 111



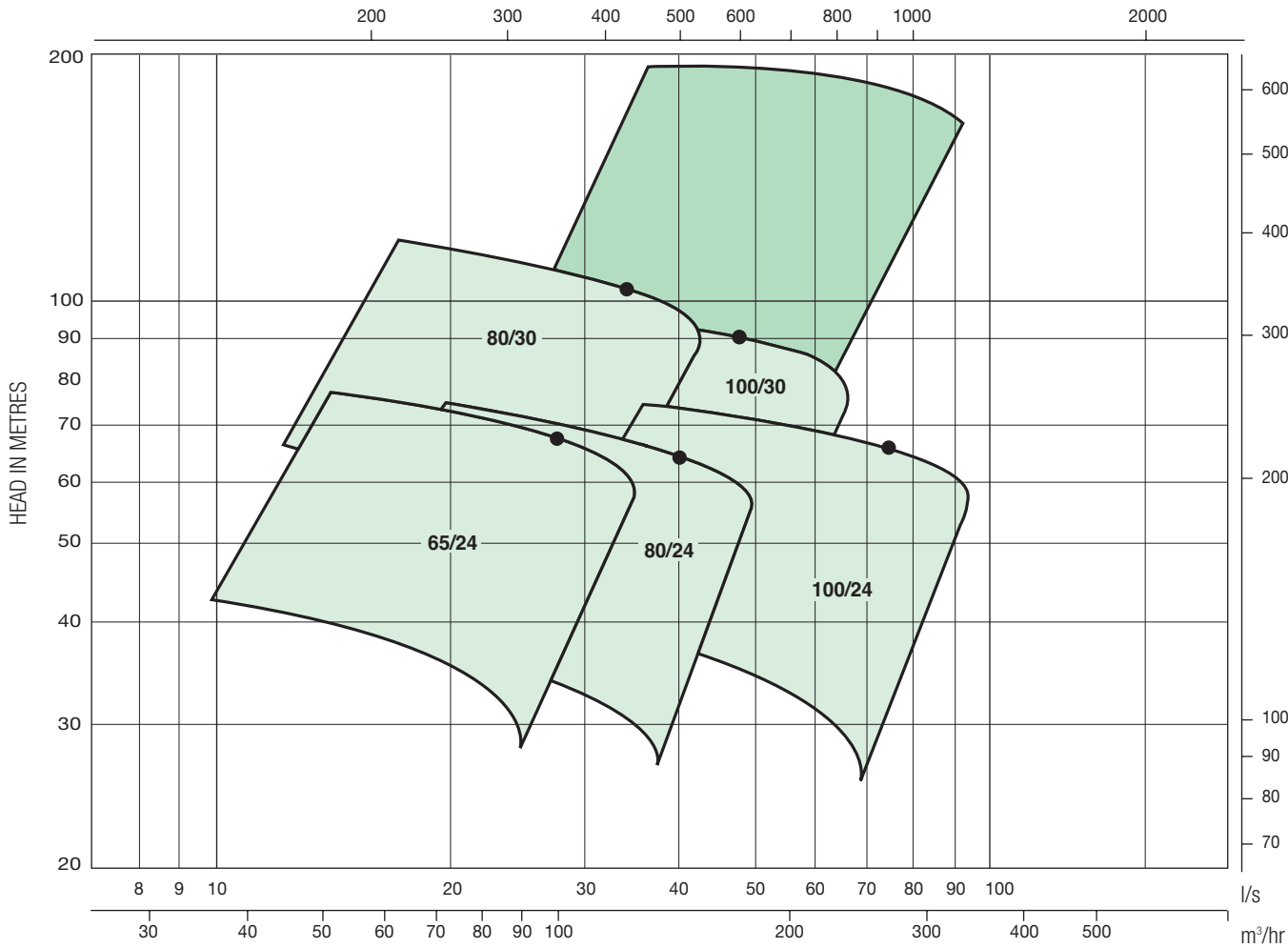
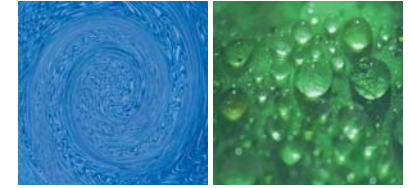
Certificate number: EMS111
Issue 1



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Thrustream - Split Case Pumps

50Hz
2900 R.P.M.



Imp.g.p.m

HEAD IN FEET



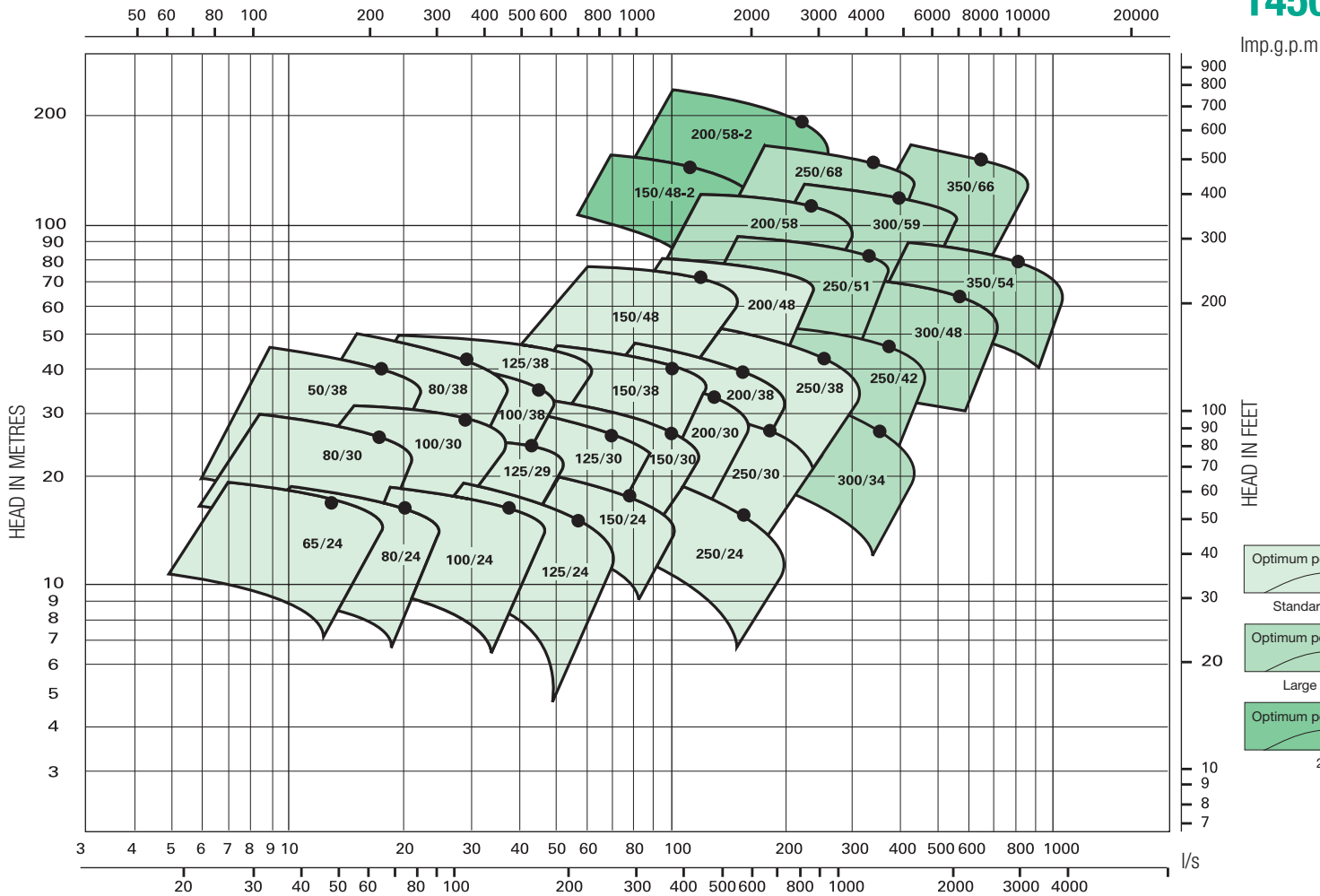
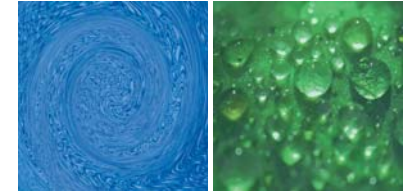
- Various material options available
- Impellers cut to duty point
- Vast interchangeability of components
- Ease of maintenance

SPP PUMPS



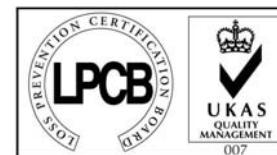
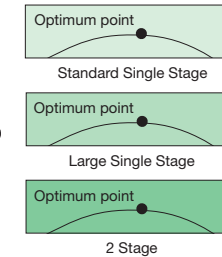
Thruststream - Split Case Pumps

50Hz
1450 R.P.M.

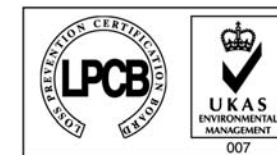


Imp.g.p.m

HEAD IN FEET



Assessed to ISO 9001:2000
Certificate No. 111



Certificate number: EMS111
Issue 1

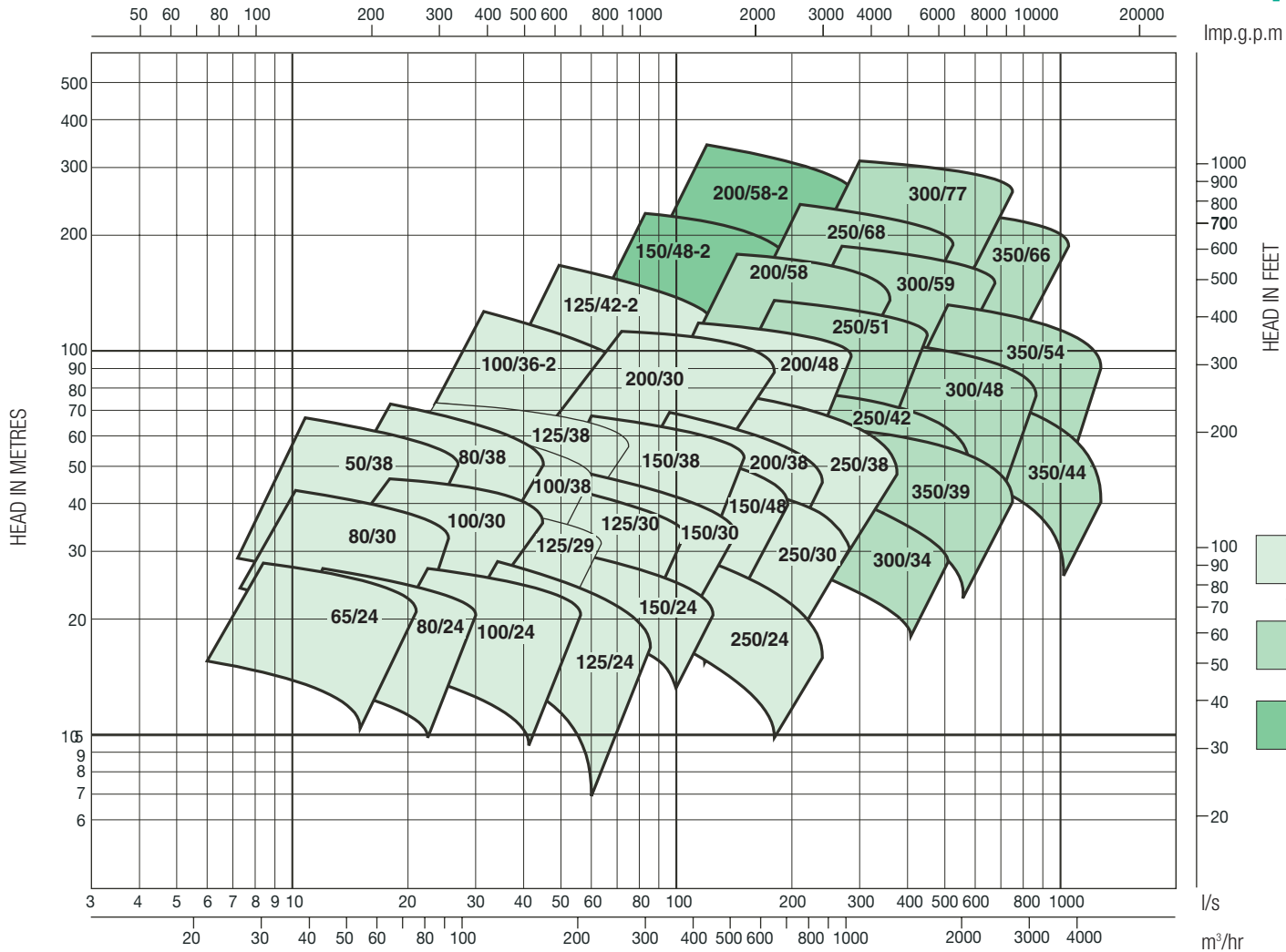
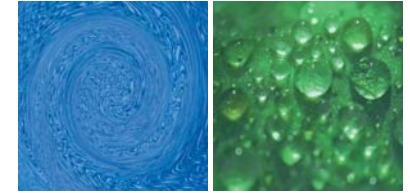


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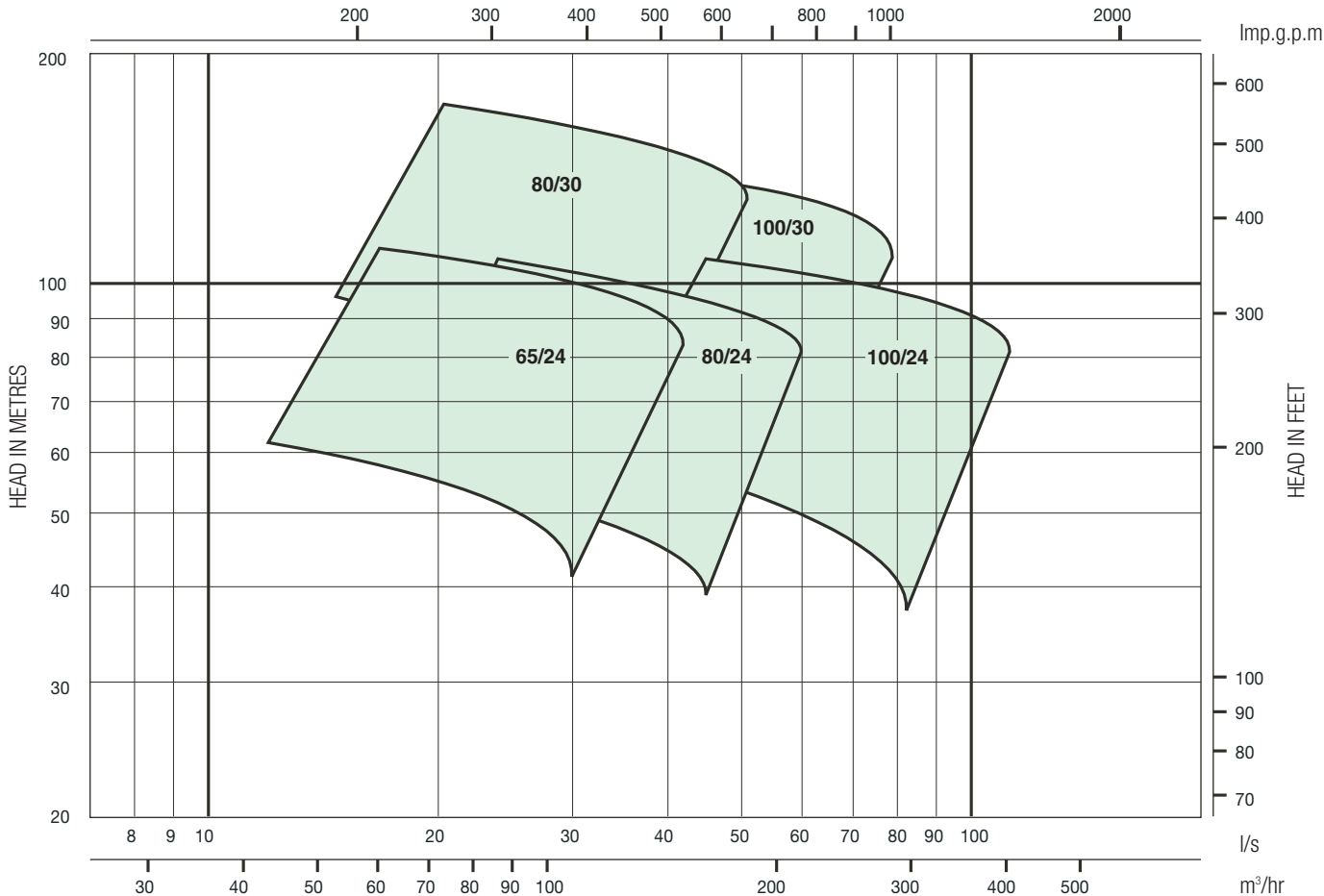
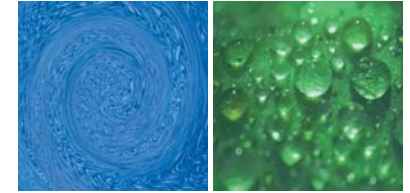
Thrustream - Split Case Pumps

4 Pole
60Hz
1760 R.P.M.



Thruststream - Split Case Pumps

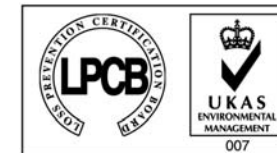
2 Pole
60Hz
3500 R.P.M.



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



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Certificate number: EMS111
Issue 1



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