

# Eurorange – DIN 24255 Close Coupled Pumps



Atex  
Approved



II 2 GD T4

For Hazardous Area Applications



The EPS range of pumps provides close coupled versions of our standard centrifugal pump which is design based on the DIN 24255 standard. The range covers 25 pump sizes from 32mm to 125mm discharge affording 190 pump/motor combinations.

The EPS Pumps' cost effective design promotes space saving and eliminates problems associated with baseplate and coupling alignment leading to lower installation and capital costs.

Other mainline features include impellers cut to duty thus saving energy consumption without extending the standard delivery. EPS Euro Pumps' hydraulic components are interchangeable with the close coupled range, therefore saving stock holding of spare parts within factories or buildings.

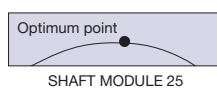
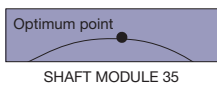
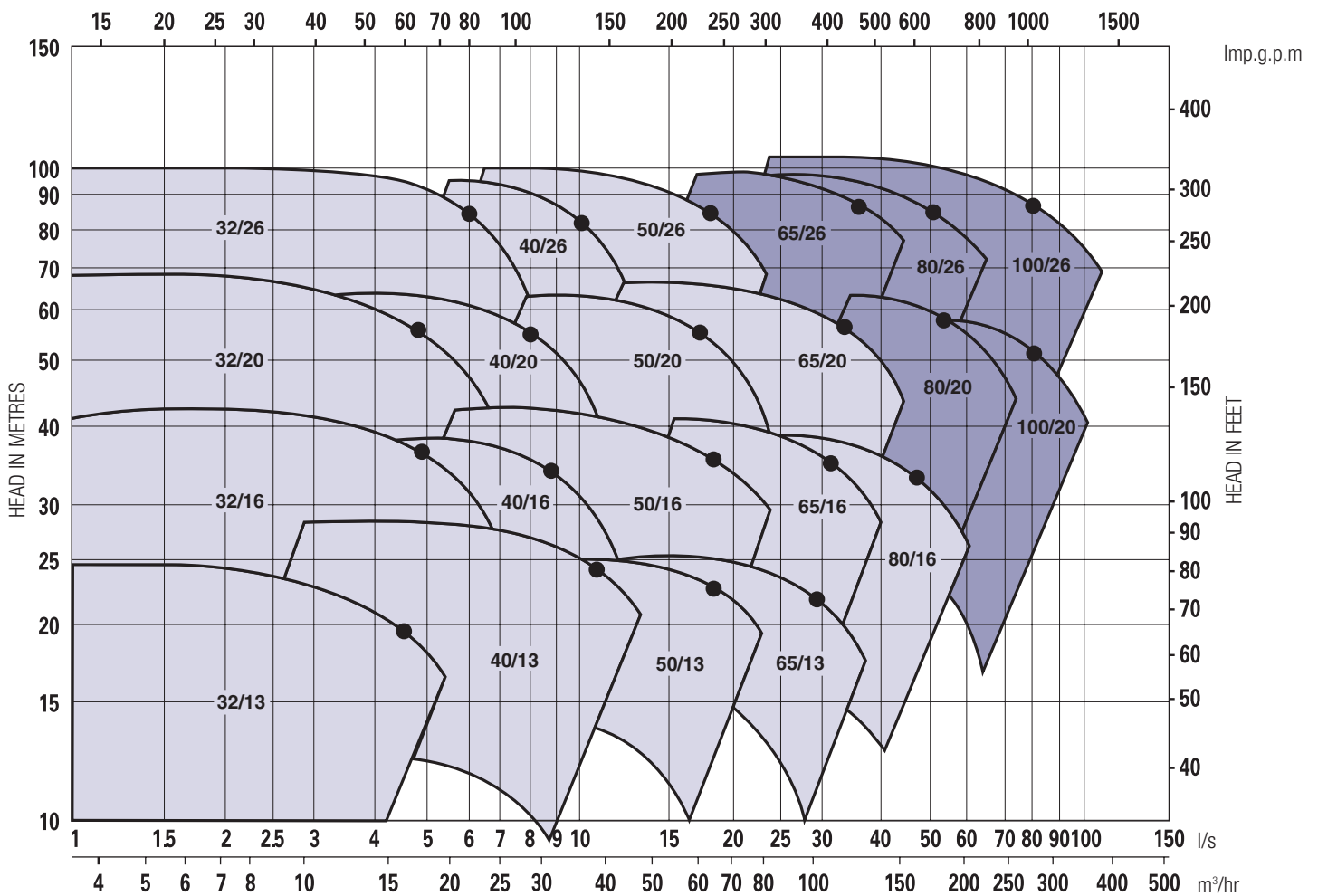
## Typical Applications:

- Tanker Loading
- Aircraft Fuel Duties
- Chemical Transfer
- Biodiesel Processes
- Fuel transfer
- Process cooling



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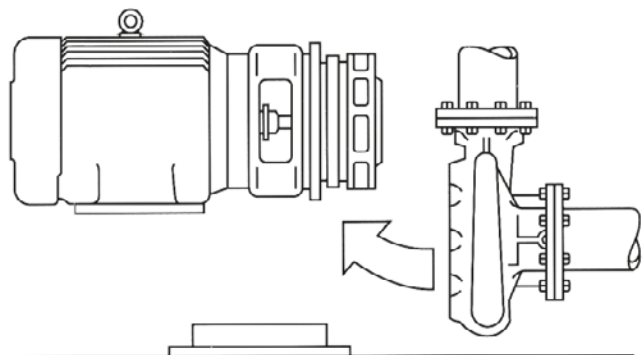
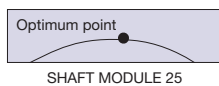
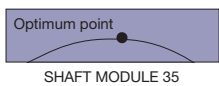
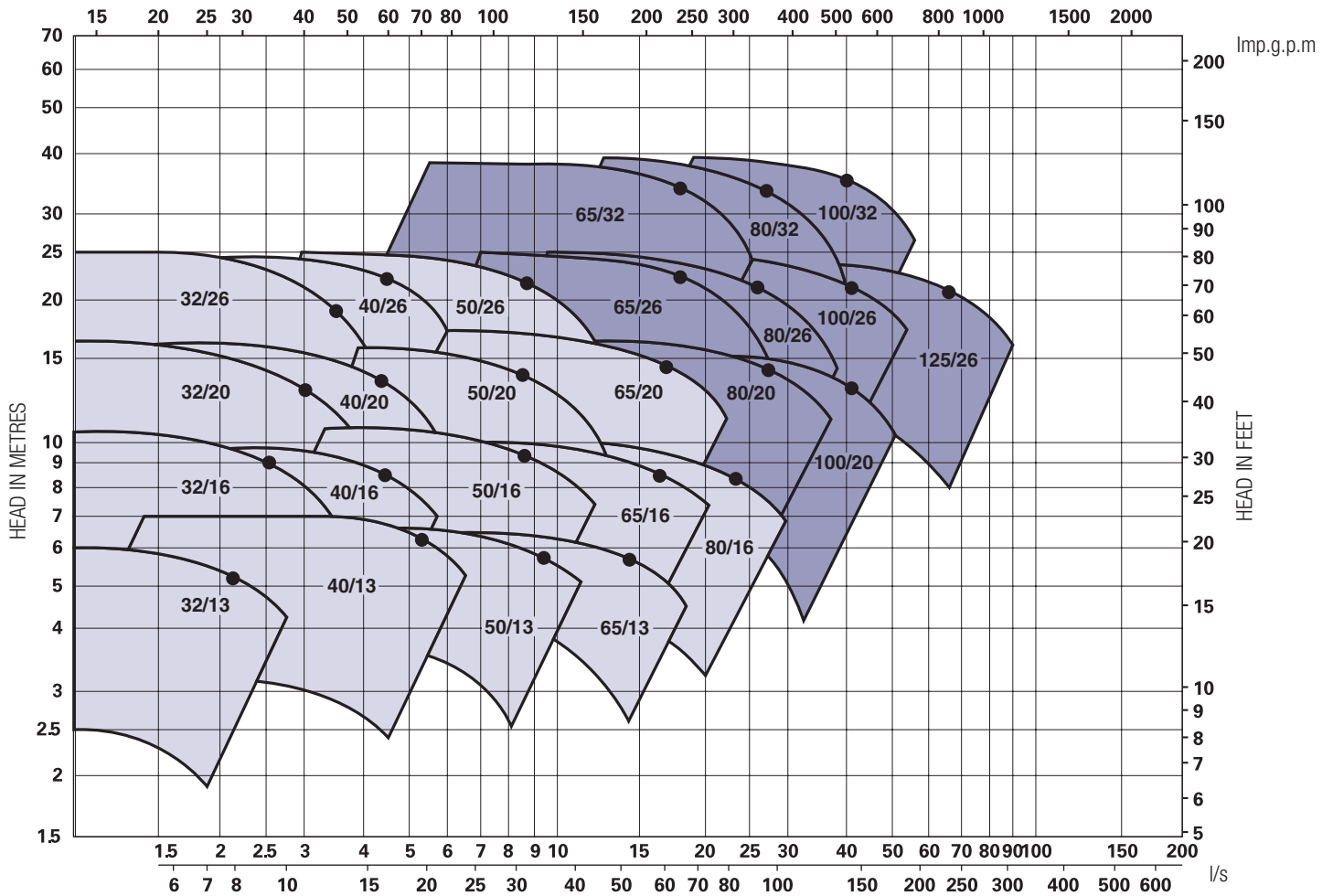
## 2900 RPM



- Back pull-out facility for ease of maintenance
- Various material options available
- Impellers cut to duty point
- Vast interchangeability of hydraulic components
- Hydraulics used in conjunction with standard shaft extended motors



# 1450 RPM



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## Specifications

<b>Standard:</b>	Based on DIN 24255
<b>Pumps Models:</b>	25
<b>Discharge Range Sizes:</b>	32mm to 125mm
<b>Pump/Motor Combinations:</b>	190
<b>Temperature:</b>	120°C maximum -10°C minimum
<b>Maximum Capacity:</b>	100l/s
<b>Maximum Differential Head:</b>	100m
<b>Electricity Supply:</b>	50 and 60 Hz
<b>Sealing Options:</b>	Mechanical

## Interchangeability

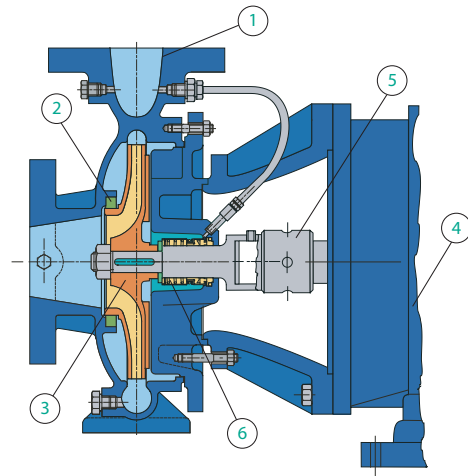
<b>Casing</b>	26
<b>Impellers</b>	26
<b>Mechanical Seal</b>	2
<b>Casing Cover</b>	8
<b>Stub Shaft</b>	20
<b>Support Frame</b>	20

## Materials of Construction

	<b>Standard</b>	<b>Bronze Fitted</b>
<b>Code</b>	W	Y
<b>Casing</b>	Cast Iron	Cast Iron
<b>Impeller</b>	Cast Iron	Bronze
<b>Wear Ring</b>	Cast Iron	Cast Iron
<b>Stub Shaft*</b>	Solid stainless steel or high tensile steel with stainless steel sleeve	
<b>Shaft Sleeves</b>	Stainless Steel	Stainless Steel

\* Pumps fitted with solid stainless steel shafts as standard are 65/20 – 2 pole, 50/26 – 2pole, 80/20, 100/20, 65/26, 80/26, 100/26, 125/26, 65/32 and 100/32. Solid stainless steel shafts available for other models.

Stainless steel pump hydraulics available on request.



## Design Features

1. Robust cast iron casing and support frames
2. Casing incorporates replaceable wear ring
3. All standard pumps are fitted with high efficiency shell moulded impellers
4. TEFV motors fitted as standard. Other motor options available
5. Foolproof EPS design taper locking system simplifies fitting stub shafts to standard motors
6. Incorporates mechanical seal to DIN 24960

## Design Benefits

- Eurorange uses “off the shelf” standard metric IEC TEFV Flameproof motors
- Stub shafts fit directly onto standard motor shaft – no drilling or priming required

## Cost Effectiveness

- Space saving
- Eliminates the problems of baseplates and coupling alignment
- Lower installation and capital costs

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