## GENERAL

<table>
<thead>
<tr>
<th>Typical Application</th>
<th>Plough &amp; Trenching LARS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design</td>
<td>Lloyds</td>
</tr>
<tr>
<td>Environment</td>
<td>Safe Area</td>
</tr>
</tbody>
</table>

### Weight

- Standard (Empty Drum): 38Te

### Operating Temperature

- Standard: -10°C to +45°C

### Deck Mounting

- Deck Mount Points: 6
- Mount Configuration: Bolted plate, welded to deck

### Padeyes

- Main Lift: Lifted via a spreader beam via the winch drum

### Snatch Limiter

- SWL: 25Te
- Weight (approx.): 6Te
- Gas Spring: Nitrogen backed hydraulic cylinder

### DIMENSIONS

<table>
<thead>
<tr>
<th>Extremities</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Length (across drum)</td>
<td>7520mm</td>
</tr>
<tr>
<td>Width (Including snatch limiter)</td>
<td>8100mm</td>
</tr>
<tr>
<td>Height (includes sheave arm)</td>
<td>5360mm</td>
</tr>
<tr>
<td>Drum (with Lebus Grooves)</td>
<td></td>
</tr>
<tr>
<td>Length (Between flanges)</td>
<td>2761mm</td>
</tr>
<tr>
<td>Core Diameter</td>
<td>2600mm</td>
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<tr>
<td>Flange Diameter</td>
<td>3250mm</td>
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### PERFORMANCE

#### Line Pull

- Bottom layer: 30Te
- Top Layer: 25Te

#### Winch Speed

- Range: Variable to 45m/min (Depends on layer and hydraulic power available)

#### Umbilical capacity

- 53mm (Typical): 2200m
- Sheave: 53mm umbilical and Linksyn™

#### Drive

- Drive: Plug in motors to drive plate and Slew Ring
- Brake: Integral fail safe
- Tension Mode: Variable set, constant tension mode

#### Spooling

- Fleeting Carriage: Drum is moved via a hydraulic cylinder to give constant exit to the motion compensator

#### Hydraulic

- Supply (max): 280bar
- Fittings: All Stainless Steel
- Connection: SAE Bolted Flanges

### CONTROL

#### Control Console

- Controls: Pick-Up / Pay-Out, Fleeting Left / Right, Fleeting Auto / Manual, Constant Tension Select / Adjust
- Touchscreen control interface
- Remote operation possible
- Winch Instrumentation: System Pressure, Length Out, Low boost pressure, Emergency Stop activated, Motion compensator movement, Umbilical tension

### NOTES

- Spray nozzle umbilical cooling (200LPM @2-3bar (10bar max))
- Optional deck camera and pan and tilt assembly suitable for deck installation
- Brakes released flashing beacon
- Fleeting error audible alarm

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