**FEATURES - POWER PACKS**

A. Single acting cylinder header
B. Compact operator panel with:
   - Single lever operation for all cylinders
   - Pressure setting panel
   - Gauge + Motor Starter
C. Auxiliary output - For double acting cylinder operation with:
   - Single lever operation + Gauge
D. Hydraulic Tank - Robust & stored with adequate reserve fluid

Three stage fail back:
- Stand by electric motor (optional)
- Manual operated pump
- External feed from other matching sources

**SAFETY**
- Electrical - Over current protection
- Hydraulic - Direct acting adjustable relief valve

**NOTE:** Power packs can also be tailored to suit specific customer requirements.

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**SPECIFICATIONS**

**POWER PACK**

<table>
<thead>
<tr>
<th>Dimension</th>
<th>With single electric motor pump unit</th>
<th>With standby electric motor pump unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>L x W x H (in mm)</td>
<td>630 x 500 x 1032</td>
<td>1000 x 500 x 995</td>
</tr>
</tbody>
</table>

**Component**

<table>
<thead>
<tr>
<th>Component</th>
<th>Specification &amp; Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric Motor</td>
<td>With single electric motor pump unit</td>
</tr>
<tr>
<td>Main Pump</td>
<td>With standby electric motor pump unit</td>
</tr>
<tr>
<td>Submerged fixed displacement pump</td>
<td>Flow 12 LPM @ 1400 RPM - 0.4 lbs</td>
</tr>
<tr>
<td>Emergency Pump</td>
<td>Manual operated 13 CC/Double Stroke - 1 No</td>
</tr>
<tr>
<td>Hydraulic tank</td>
<td>1030 Ltrs - 1 No</td>
</tr>
<tr>
<td>Return loss Filter</td>
<td>10 Microns by pass type paper element - 1 No</td>
</tr>
<tr>
<td>Gauge</td>
<td>100mm glycol filled 0 to 250Bar</td>
</tr>
</tbody>
</table>

**Output header (Manual for shop forms jack)**

- 4" BSP - 4 No
- 3" BSP - 4 No (Regulated by HP ball valves)

**Output header (Rearley - for double acting cylinder)**

- 4" BSP output & return operated by manually operated DC valve (Max flow: 12 LPM at 90Bar)

**Input Header**

- 3/4" Quick coupler

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**CUSTOMER FOCUS AND QUALITY ASSURANCE**

The components of the jacks undergo stringent quality tests before final acceptance.

The product has been validated after passing rigorous accelerated tests to match the desired performance in airframe construction.

Our jacks and hydraulic systems have performed and met customer’s expectations of safety and minimal downtime.

A team of trained service personnel are on call to handle service requirements both at customer’s site and at our service stations.

Customers have been immensely benefitted by our application engineering support for hydraulic systems used in diverse applications.

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**3.5 TON JACK UNDER TESTING**

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TELESCOPIC JACK & POWER PACK FOR TILTING TABLE

Pre-fabrication technology for walls, ceilings, floors, etc. is now being increasingly used for construction of mass-housing projects. This technology not only helps in faster execution of the projects but is also economical.

The pre-fabricated structures are cast on a moulding table, and the table is then tilted after curing, to safely remove the cast structure.

L&T Hydraulics has developed a hydraulic system along with telescopic cylinders to carry out the table tilting operation. The hydraulic system and the cylinder are tailored to suit the lifting capacity of different sizes of tilting tables required by the customer.

Usage of a hydraulic system for tilting operation offers the following advantages as compared to conventional methods of lifting:

- Faster cycle time and consequent increase in throughput
- Ease of operation and safety of operating personnel
- Load holding without creeping for an extended period of time
- Designed to safely hold the load in an event of pipeline rupture
- Smooth functioning ensures that the pre-fabricated structure is not damaged
- Single hydraulic system can be designed to operate multiple tables
- One operator can control the functioning of multiple tables

THE POWER BEHIND SLIPFORM CONSTRUCTION

L&T Hydraulics markets and supports a wide range of high pressure hydraulic products, hydrostatic transmissions and customized hydraulic systems. The hydraulic products are manufactured at the state-of-the-art manufacturing facility of L&T Hydraulics in Bengaluru, India.

We offer the following products for slipform construction:

- 3.5 Ton Jack
- 6.2 Ton Jack
- 6.0 HP Power Pack

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SLIPFORM JACK & POWER PACK

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FEATURES - SLIPFORM JACKS

- 3.5 Ton
- 6.2 Ton
- Simple mechanism to adjust the stroke
- Grips the climbing rod without slipping
- Visual indication for piston movement
- Withstands peak pressures and prevents entry of abrasive containing media
- Not susceptible to undue repeated wear
- Simple and robust mounting for quick assembly and removal (not in our scope of supply)

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L&T Hydraulics also offers end-to-end solutions in application engineering, design, manufacture, installation, commissioning and after sale support for the hydraulic systems.