



Product Catalogue

+91 8007 274 274 | info@suryodaytech.com | www.suryodaytech.com



SURYODAY TECHNOLOGIES

HYDRAULIC TANK JACKS

The Hydraulic Tank Lifting Equipment is a setup of a number of trestles, inter-connected using high pressure hydraulic hose. The setup is connected to a manifold block which is further connected to a high pressure power pack. The oil is released using high-pressure from the hoses which assist the jacks to lift the tank.

12MT Hydraulic Tank Jacks

Effective Max. Lifting Height

Upto 3000mm / 3m / 118.110 in.

Effective Stroke Length

110mm ± 3 mm

Max. Lifting / Lowering Capacity

12MT

Testing Pressure

165 bar or 169 kg/cm²





SURYODAY TECHNOLOGIES

POWER PACKS

	10HP	15HP	20HP
<i>Rating</i>	10HP Model	15HP Model	20HP Model
<i>Power</i>	415V, 50Hz, 3P	415V, 50Hz, 3P	415V, 50Hz, 3P
<i>Enclosure</i>	General Purpose, Weather Proof	General Purpose, Weather Proof	General Purpose, Weather Proof
<i>Motor RPM</i>	1455 RPM	1455 RPM	1455 RPM
<i>Tank Capacity</i>	200 Liters	250 Liters	250 Liters
<i>Pressure</i>	20 lpm @ 175 bar	26 lpm @ 175 bar	39 lpm @ 175 bar
<i>Accumulator</i>	2.5 liters	2.5 liters	2.5 liters
<i>Starter</i>	DOL Starter	DOL Starter	DOL Starter





SURYODAY TECHNOLOGIES

HYDRAULIC HOSES & HYDRAULIC OILS

R1 High Pressure Hydraulic Hose (for 12MT)

- Lining: Black Oil Resistant – Synthetic Rubber
- Reinforcement: One high-tensile steel wire braid
- Temperature Range: -40°C to +93°C
- Nominal Bore: $\frac{3}{8}$ " or 9.5mm
- BSP End Fittings: $\frac{1}{2}$ "
- Working Pressure: 180 bar

Chart of Equivalent Hydraulic Oils to be used:

Anti-wear Hydraulic oil

Shell	Tellus 68
Indian Oil Corp. (<i>Indian</i>)	Servo System-68
Hindustan Petroleum Corp. (<i>Indian</i>)	Enklo 68
Bharat Petroleum Corp. (<i>Indian</i>)	Hydrol-68
Castrol	Castrol EP-68
Gulf	Harmony AW68
Veedol	Avlon - 68
Total	Azolla 68
Meguin	megol Hydraulic Aw-68



SURYODAY TECHNOLOGIES

APPLICATION

There are difference types of tanks that can be erected using our 12MT Hydraulic Tank Jacking Equipment:

- Floating Roof Tanks
- Double Walled Tanks
- Column Supported Tanks
- Storage Silos
- Tanks at an Elevation

There are various applications of our 12MT Hydraulic Tank Jacks. It can be used for:

- Fabrication of Tanks
- Dismantling of Tanks
- Increase the height of Tanks
- Decrease the height of Tanks
- Increase the diameter of the Tanks
- Replace Tank Bottoms
- Repair Tank Bottom
- Decrease the diameter of the Tanks
- Relocate Tanks