

- **Drum winch with a pull force of max. 13 to for various usages (mast equipping, tower erection, regulating...)**
- **Other pull forces / bigger rope drums on request**
- **Stable backstay for fast and safe anchoring**
- **Robust machine designed for highest reliability, simple operation and minimal maintenance**
- **Optional operation of the machine via cable or radio remote control from a safe distance => good overview, low noise level and safe position for the operator**
- **High quality control technique enables inching even under maximum load**

Technical data of both drum winches:

- Max. pull force and speed
 - Middle rope layer: 11.000 daN with 17 m/min
 - Inner rope layer: 13.300 daN with 14 m/min
 - Speed continuously adjustable: 0 - 41 m/min
- Stable rope guiding device with hardened rope rollers
- Large rope drum (=> few rope layers => rope preserving) with stable pressure rollers for fixing the rope
- Max. rope capacity: K=80946 => e.g. 410 m with rope Ø 14 mm

Control of the machine:

- The rope can be indefinitely controlled in/out via a hand lever
- Optional with cable remote control with a 10 m cable (functions: continuously adjustable rope in/out; emergency stop)
- Optional with radio remote control (additional functions: ignition; engine starting)
- Control panel with all instruments to control engine, hydraulic and electrical system

Cover:

- Lockable tarpaulin cover (optional with aluminium sheet) protects the diesel engine, the hydraulic and electrical systems => in-crases the reliability of the machine and is noise reducing

Hydraulic driving system:

- A complete driving unit consisting of planetary gear, brake and hydraulic motor is integrated in each rope drum => fully enclosed and therefore requiring minimal maintenance
- With automatically activated safety-disc brakes
- High quality control technique enables inching even under maximum load
- Highly effective oil cooling system, electrically activated and controlled via thermostat, designed for extreme operating conditions
- Hydraulic hoses and screw connections with special sealing system for a long service life without leakage

Engine:

- Water-cooled DEUTZ diesel engine with 45 kW (62 HP)
- 12 V system with high capacity battery for safe starting also at cold temperatures



Weight and dimension:

- Weight: approx. 2.600 kg (without rope)
- Length x width x height.: approx. 3.800 x 1.800 x 1.700 mm

Frame and support:

- Stable steel frame with anchoring eyes
- Central lifting ring for easy loading by crane
- Back support via 2 mechanical supporting plates
Optional: mechanical backstay for high stability and fast and easy anchoring; with integrated eyes for anchoring of ropes
- Front support via stable mechanical parking jack

Standard chassis:

- 1 axle chassis with rigid axle and non-adjustable height towing bar
Optional: lighting system, mudguards

Optional chassis:

- 1 axle chassis with spring-mounted axle, overrunning brake system, non-adjustable height towing bar with ball coupling for car application, parking brake, lighting system, mudguards
Optional: height adjustable towing bar with change coupling (for car or truck applications)

Ropes (Optional):

- High quality steel hoisting rope Ø 18 mm; breaking load: 33.000 daN; anti-twist, galvanized or blanc; standard length: 300 m
- Other steel ropes on request

Optional equipment:

- Electrical valve version and socket in the control panel => enables the connection of a cable/radio remote control (manual control remains possible as emergency control)
- Cable remote control
- Radio remote control
- Lockable cover made of thick walled aluminium
- Special equipment or special models (with different pull forces) on request

Modifications and errors excepted. Illustrations show in part optional equipment. Technical data varied according to model. Machine performance is calculated at sea level at 20°C.