

UNDERGROUND SYSTEMS LIMITED

Country Works

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Trailer Mounted Winch Model OHW-7.25T



Generally as following specifications:

1. Engine: Lombardini LDW 2204T (Turbo). Operating set speed, solenoid operated.
2. Single hydraulic variable displacement pump, load sensing.
3. Single drum winch, twin hydraulic motor gearbox arrangement c/w hydraulic operated mechanical brake plus secondary hydraulic interlock brake. Safe working load capacity 7.25 tonnes with ability to have +25% testing capacity (Key switched). Secondary Single bollard 0.5 tonne load capacity winch with ability to have +25% testing capacity (Key switched), c/w hydraulic operated mechanical brake plus secondary hydraulic interlock brake.
4. Main winch hydraulic motors will operate in series and parallel, manually switched, giving high/low speed operation.
5. Hydraulic oil supply from large capacity tank, 125 Ltrs c/w thermostatic electrically driven oil cooler.
6. Drum Rope capacities: 6x19 (9/9/1) Steel Core IWRC.
 - a) 24mm Dia. (Min breaking Load 37.00 tonnes) 5:1 safety factor. Max SWL 7.25 Tonnes
Total: 200 Mtrs
 - b) 20mm Dia. (Min breaking Load 25.70 tonnes) 5:1 safety factor. Max SWL 5.14 Tonnes
Total: 248 Mtrs
 - c) 18mm Dia. (Min breaking Load 20.80 tonnes) 5:1 safety factor. Max SWL 4.16 Tonnes
Total: 307 Mtrs
 - d) 16mm Dia. (Min breaking Load 16.50 tonnes) 5:1 safety factor. Max SWL 3.30 Tonnes
Total: 388 Mtrs
 - e) 13mm Dia. (Min breaking Load 10.90 tonnes) 5:1 safety factor. Max SWL 2.18 Tonnes
Total: 588 Mtrs

7. Axle will be: Knott-Avonride independent rubber suspension axle, “J” series hub, 6 stud 205mmPCD (M18), 300x60 auto reverse brakes. 3000Kg capacity.
8. Wheels will be: 6.5 x 17.5 centre nave wheel 6 stud 205 PCD c/w 215/75R17.5 tubeless tyre.
9. Heavy duty jockey wheel.
10. Knott KCB3540D tow coupling c/w 40mm tow eye.
11. The main control panel on the winch will be by “Touch Screen” control for “Logon”, job entry and download initiating. The main panel will also have engine controls.
12. Operating systems will be: **Main winch**, operator carried radio remote control system; controlling Winch In/Winch Out, Proportional speed control to allow FINE speed control, Emergency Stop and High/Low switching; with tonnage readout. **Bollard Winch**; Foot Control of the selected function of Winch In or Winch Out, manually selected Winch In/ Winch Out lever, Manual speed selection control, Emergency Stop adjacent to operating area.
13. Bollard Winch will have a hydraulically operated rope grip safety device, fitted within the safety cage.
14. Bollard winch to have safety cage fitted with safety interlock
15. Additional Emergency Stops around winch.
16. Main winch drum to have see through safety guarding to allow operator to view drum loading.
17. Rear drop down earth anchor
18. Front mounted anchor plates fitted to both sides.
19. Front mounted drop down, wind down stabiliser legs, fitted to both sides.
20. Earthing bolt points fitted to front drawbar assembly.
21. Locker storage for bollard winch foot pedal and radio remote control or other tools.
22. Four lifting load points to enable lifting of winch.
23. Winch to be painted customer designated colour. (RAL number)
24. Winch to be fully enclosed.
25. Production machines to be “CE” certified.
26. The winch will be road legal by the “Individual Vehicle Approval” scheme.

Please note: Specifications may change from those shown in photographs.

