

## W1-TEW25H-0099 Tower Erection Winch

(Extra Rope Capacity)

This winch has been designed to comply with all relevant safety requirements for lifting loads. Two fully automatic, fail – safe-braking systems are incorporated into the unit. The first is situated directly in the transmission line and functions every time the winch controls are operated. The second is mounted in direct contact with the rope drum and is controlled by sensing system acting on the main drive chain and the hydraulic oil pressure. In the unlikely event that the chain should fail, or all hydraulic pressure is lost, then this second brake would automatically apply and hold the load. This brake can also be applied manually.

All components used in the manufacture of this winch are designed to offer 5:1 safety factor based on the safe working load of this winch.

### SPECIFICATION

#### **Winching Capacities:**

The winching capacity is dependent upon the quantity of rope left on the rope drum. As a guide the following will apply: -

Rope Drum Full	1000kg
Rope Drum Half Full	2000kg
Rope Drum Empty	3000kg

The actual safe working loads will depend upon the manner of which the winch is working and upon the strength of the wire rope. As a guide, the above winch capacities assume a factor safety of 3:1, for lifting use a safety factor of at least 5:1 and for man riding applications, use a safety factor of at least 10:1.

#### **Rope Capacity:**

750 metres of 13mm diameter  
500 metres of 16mm diameter  
300 metres of 20mm diameter



#### **Rope Speeds:**

Once again, the rope speed is dependent upon the amount of rope on the rope drum. The speed is infinitely variable throughout the full range using the simple FAST-SLOW control pump.

Rope Drum Full	35 metres/min
Rope Drum half full	25 metres/min
Rope Drum empty	15 metres/min

#### **Dimensions and Weight**

<b>Length</b>	2700mm
<b>Width</b>	1670mm
<b>Height</b>	2100mm
<b>Weight</b>	1122kg (Less Rope)

(Average Rope weight 500 kg)

### ORDERING DETAILS

<b>Product No</b>	<b>Description</b>
W1-TEW25H-0099	Tower Erection Winch

#### **NOTE**

Axle and wheels are suitable for site work only and not for using on a public highway. C/W Parking Brake.