

# TORK WINCH Specification Sheet

Revision Control No: TLS-1

**Product Name**  
**Model Number**

**Theater Line Set System**  
**TS1000 and PS500**

The system is built up using one TS1000 Motor and one or more PS500 PosiSpool Units to provide lift lines at intervals of up to 12 feet span. Each lift line may carry a maximum of 500lbs., but the maximum total load allowable is 1,0000lbs.

Both the TS1000 Motor and PS500 PosiSpool mount to a MK1 Mounting Plate kit.

Interconnecting Drive Shafts are field-prepared (drilling only required) and are readily mounted using P/N PS500C couplings.

## Specifications

Safe Working Load	1000 lbs. Divided between the TS1000 Motor and at least one PS5000 PosiSpool.
Load Type	Vertical lifting of Lighting Pipes and other infrequently lowered units
Rope Type	3/16" 7 x 19 aircraft cable
Rope Travel	34 ft. on one layer only
Electrical Characteristics	115 Volts, 60 cycle is standard. 220 Volts, single phase on request.
Motor	1 HP / 115v single phase
Motor Type	Single phase, instant reverse, low maximum current draw design
Full Load Amperage	13.2 amps
Max Duty Cycle	1 lift per hour under normal operation. Duty cycle is 10 minutes on, 20 minutes off.
Gear Reduction	Proprietary composite self-lubricating gearing with no oil bath.
Rope Drum	Grooved for accurate winding. Supported in large diameter ball bearings and with positive, through the drum type rope-anchoring.
Pressure Rollers	Constant pressure type with torsion spring mounting
Braking on TS1000 Motor	Double, self-locking worm gearing plus passive uni-directional brake.
Braking on PS500 Spool	Over-Speed brake engages immediately to arrest a runaway load.
Limit Switches on TS1000	Heavy duty upper and lower switches.
Frame Construction	Precision interlocking steel frame for high rigidity and precise alignment. Semi enclosed for safety. Powder coated for corrosion resistance.
Weight TS1000 Motor	55 lbs.
Weight PS 500 Spool	38 lbs.

## Other related documents

TS1000 Outline Drawing	TS1000-01
TS1000 Wiring Diagram	TS1000-WD
TS1000 Installation Instructions	TS1000-INS
PS500 Outline Drawing	PS500-01

*Specifications subject to change without notice.*