



OCS's AIR driven 10 Ton Tugger winches are general multipurpose winches.

The winch is installed with a constant tension function which will automatically maintain the rope tension set by the user. The supporting structure of this winch consists of the drum/motor supports and the base. The drum/motor supports are constructed from metal plates and are bolted to the base made out of steel girders. Presently this winch is set up to work as a 10 Ton winch. However it can be upgraded to a 20 ton winch because it has been structurally designed and built for this capacity. The drum stores the wire rope. One side of the drum is supported by a bearing while the opposite side is directly coupled to the flange type hydraulic drive motor. The winch is fitted with a band breaking system. The brake loops around the hydraulic motor is engaged by a hydraulic cylinder. The brake is designed to be automatically activated when there is no power and will only be disengaged when the hydraulic system is energised.

The specification of the Hydraulically Driven Winch employed in OCS's post trenching spread is as follows:

Model		MP10-MA24
Load Capacity @ 1st Layer		10.00 MT
Speed		20 mpm
Dimension	Length	1637.5
	Width	960
	Height	930
Drum	Diameter	300
	Flange Diameter	660
	Length	620
	Capacity	Dia 26 mm x L 200 m
Brake Type		Manual & Auto
Control Type		Local
Air Consumption		846 cfm
Rated Power (K.W.)		30.0
Oil Level		6.0 - 7.0 L
Weight		1300 KG

OCS has Equipment passports for individual equipments which must be reviewed before each project to assess the status. The equipment passport gives the working history, maintenance and certification history of equipment.

It is important to regularly review the list of critical spare parts of the equipment before each project.

Where failures occur during operations Equipment bulletins will be issued to document the problem and the remediation solutions applied. The equipment bulletin will be circulated to all field engineers to be informed about the possible failure that can occur during the operation and thereby avoid future failure.

This equipment file remains a live document and will be constantly updated by the equipment department.