



OCS's 10Ton Tugger winches are JQHS100 series, manual-operated single drum winch which adopts compressed air as the power to drive the piston motor. This machine is compact in structure, light in weight, small in size, it can be moved easily and fixed rapidly. This machine can do many works such as lifting, lowering and pulling. They are widely used in the following applications, such as beach pull of pipelines, pipeline post trenching operations etc.

The specification of the 10mT Air Tugger Winches installed in OCS's Utility Barge is as follows:

Air Tugger Winch Specifications	
Drum dimension - mm	522 Dia x 1100 width x 1100 wheel rim Dia
Brake	Double Air Band Brake
Working pressure – psi(bar)	102-131 (7-9)
Rated power - kW	30
Max air consumption – L/sec (m ³ /min) (USgpm)	400 (24) (6340)
Pulling force at 1 st layer – kN (Ton)	100 (10)
Rope diameter - mm	29
Rope length - m	500
Rope speed at 1 st layer – m/min	6
Max rope storage - m	1000
Dimensions - mm	2500x1300x1236
Weight - Ton	2.3
Number of units	12



AIR TUGGER WINCH

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.

LAYER	TOTAL WIRE PER LAYER (FT)	TOTAL ON DRUM (FT)	PULLING CAPACITY (MT)	BRAKE HOLDING (MT)
1	129.65	129.65	86.44	90.72
2	145.60	275.25	76.97	90.72
3	161.55	436.80	69.37	90.72
4	177.50	614.30	63.14	90.33

