

8W-DHTC : 8Wheeled Diesel Hydraulic Tower Car

Purpose: Inspection and Maintenance of Railways' OHE system.



- Dual Power Pack
- Meant for periodic inspection, patrolling and maintenance of overhead equipment on electrified broad gauge rail routes
- Used to attend sites of breakdown of overhead equipment
- Capable of erecting and restoration of damaged small lengths of catenary and contact wires

Functionalities:

- Drivers Cab at both ends
- Staff cabins
- Kitchenette
- Workshop
- Lifting & Swiveling Platform (Hydraulic)
- Observation Dome
- DG Sets
- Cable Drum Mounting Brackets
- OHE Mast Guides
- Roof mounted pantograph for checking OHE parameters
- Intercom facility between Driver cab and lifting platform

Track Data	Rail Gauge	1676mm
	Minimum Curve Radius	175 mtrs
	Maximum Gradient	1 in 100
Basic Specifications		
	Gross Weight	62.00 tonnes
	Hauling Capacity	Self weight of 62tonnes with 60tonnes trailing load.
	Maximum Operation Speed	110 kmph
Car Body Dimensions in mm	Length over body	8,500
	Width over body	3,200
	Height from rail to top of roof:	4,260
Engine	NT 855 R 6 of Cummins; 213 kW (285HP) @ 2,100 rpm	
Transmission	Fully Automatic hydrodynamic transmission Type: SANCRT UP102 (with AVTEC CRT 5633)	
Final Drive	Axle Mounted Helical Gear Box (double reduction)	
Axles	Solid forged, 16 Tonne Capacity one powered Axle (powered by one power pack) and one trailing Axle in each bogie.	
Brakes	<ul style="list-style-type: none"> • <u>Compressed air brakes with Tread brake units</u> • <u>Gradual application and gradual release type applied on all wheels</u> 	

	<ul style="list-style-type: none">• <u>Pneumatically operated</u>
Bogies	Two stage helical suspension with box section fabricated frame
Supplied	Above 100Nos.