



## Welcome to ensol india

ENSOL has been innovating and adding new products & services in its portfolio for moving up the value chain across various sectors through our manufacturing, marketing, distribution and customer service abilities. Our key focus is across following areas:

**Environment** – Providing Consulting, integrated Products & Solutions for Solid & Liquid Waste Management. Our Product range includes - Garbage Compactor, Stationery Compactor, Skip Loader, Bin Lifter, Roll-on Truck, Dumper Placer, Garbage Bin, Road Sweeper, Gully Emptier, Cesspit Emptier, Vacuum Sucker, Sewer Jetting, Combined Sewer Jetting Machine, De-silting Machine, Nalah Cleaner etc.

**Disaster Management-** Complete range of Various fire and safety equipment for industry and civic authorities - Fire Fighting Trucks, Water Browser, Water Mist, Water Tender, Foam Tender, Crash Tender.

**Infrastructure & Construction:** Distribution & Marketing of some of the world's leading brands in the field of Mining Equipment & Constructions like Kobelco, Apollo, Okada - for Excavators, Rock Hammers & range of Road Construction Equipment.

**Industrial:** Industry specific solution for specialized need for Oil & Gas sectors - specialty products like Mobile Oil Spill Recovery System, Gully Sucker, Vacuum Excavator.

**Transportation Solution:** Manufacturing, Marketing, Distribution and Complete solution on commercial vehicles through our standard and customised product range - Flat Bed Trailer, Side Board Trailer, Tip Trailer, Skeletal Trailer, Transit Mixer, Running Gear, Semi-Low Bed Trailer Tridem Axle Trailer etc.

**Civic Utility:** Customised solutions for civic authorities & companies for servicing specific need for Elevating Platform, Sky lift, Mobile Toilet, Recovery Van, Animal Rescue & Care etc.  
Industries Served: Municipal & Civic Bodies of India, ADB Funded Projects, Railways, Defence, Petrochemical Refinery, Aviation, currently exporting to SAARC countries.



## HYDRAULIC WRECKER WITH UNDERLIFT



**MODEL: ENSOL-W20**

**CHASSIS EICHER TERRA 25**

**Lifting Capacity : 20 Tons**

**GVW 25000 KG**

**Power: 183.3 HP @ 2400 rpm**

### ENSOL MULTICLEAN EQUIPMENTS PVT. LTD.

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Most suitable hydraulic wrecker for towing breakdown vehicles with underlift arrangement without damaging the body & bumper of the tow away vehicles.



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Ensol Hydraulic Wrecker with Underlift are suited for heavy duty towing and recovery operations. Use of innovative technology gives these vans feature like heat treated pivot pins and components that give it the capacity to withstand stresses. The boom design from C. D. S. tube further strengthens with angle sections that make it a suitable vehicle for on/off road operations. These vans come with a transferable chassis having G.V.W. of varying capacities.

## TECHNICAL SPECIFICATIONS WRECKER

### MODEL: ENSOL-W20

20 Tons Hydraulic Light Recovery equipment with dual hydraulic winch, full power two stage boom extendable.

Hydraulic Recovery Vehicle- Superstructure specifications

WRECKER BOOM		Boom Length from center of Rotation			
		3.75m	4.50m	5.50m	6.30m
	Boom lifting rating @ 0°	9.8 t	6.4 t	4.7 t	3.9 t
	Boom lifting rating @ 30°	12.0 t	8.4 t	6.0 t	4.9 t
	Boom lifting rating @ 60°	20.1 t	14.0 t	12.2 t	6.9 t
	Boom Minimum working angle	0°			
	Boom Maximum working angle	60°			
	Boom Rotation	210°			
A	Boom Reach off rear of tailboard (boom @0°)	2.87m			
B	Boom Working Height (boom @60°)	7.65m			
C	Boom Working Radius (boom @60° )- Retracted	1.59m			
D	Boom Working Radius (boom @60° )- Extended	2.86m			
E	Boom Working Radius (boom @0° )- Retracted	3.54m			
F	Boom Working Radius (boom @0° )-Extended	6.08m			
OUTRIGGERS					
G	Outrigger Maximum Spread	4.29m			
H	Outrigger Maximum Ground Penetration	0.25m			

UNDERLIFT	Under lift Type	Two section integrated
	Power tilt and fold- Positive	12°
	Power tilt and fold- Negative	18°
	Under lift/towing rating with forks- Retracted	5987kg (5.987 tonnes)
	Under lift/towing rating with forks- Extended	1996kg (1.996 tonnes)
	I Centerline of rear axle to rear of tailboard	1.70m
	J Reach with forks (rear of tailboard to centerline of forks)- Retracted	1.60m
	K Reach with forks (rear of tailboard to centerline of forks)- Extended	3.26m
	L Maximum Horizontal towing height with forks	1.15m
	Hydraulic extension	1.66m

In the interest of technical development we reserve the right to alter equipment without prior notice.

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## CHASSIS: EICHER TERRA 25

### ENGINE

Model: CUMMINS B 5.9 BS III  
 Type: 6-cylinder, 4 stroke, turbocharged, Diesel Engine  
 Power: 183.3 HP @ 2,400 rpm  
 Displacement: 5,900 CC  
 Torque: 680 Nm @ 1,500 rpm  
 Bore x Stroke: 102 mm x 120 mm  
 Cooling type: Pump circulated, pressurized cooling thermostat controlled  
 Emission: BSIII  
 Engine Oil: 16.5 Litres

PROPELLER SHAFT 3 Nos.

### AXLE

Qty. Front: single axle, Rear: double axle  
 Front: Heavy duty forged "I" Beam reverse elliot type.  
 Load: 6,000 Kg  
 Rear: 2 Nos. heavy duty fully floating with hypoid gear and diff-lock arrangement  
 Load: 9,500 kg + 9,500 kg

### FRAME

Type: All steel ladder type bolted

### TRANSMISSION

Clutch: 380 mm  
 Max speed: 70 kmph

### GEARBOX

Number of gears: 6 forward and 1 revers  
 Gradeability: 27°

### STEERING

Type: Hydraulic power assisted steering tiltable and telescopic

### BRAKES

Service: Full air pressure diaphragm operated with dual line arrangement  
 Parking: Pneumatic type in rear wheel only.

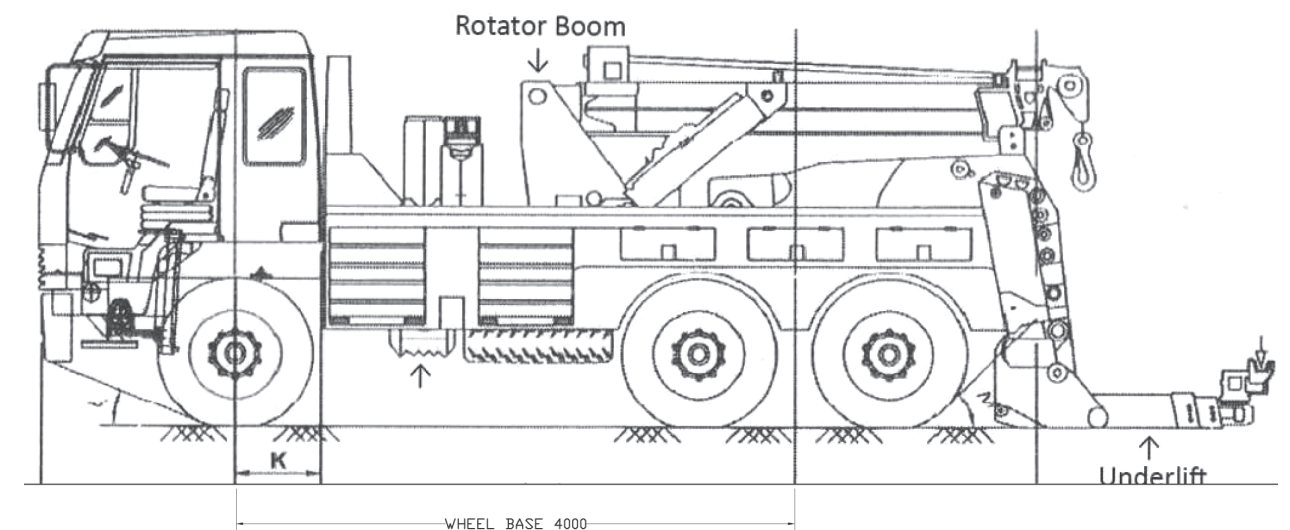
### OVERALL DIMENSIONS

Wheel base: 4,000 mm  
 Overall length: 7,240 mm  
 Overall width: 2,480 mm  
 Ground clearance: 252 mm  
 Turning radius: 7,900 mm

### WEIGHT

GVW : 25,000 kg  
 Rear axle load: 9,500 kg + 9,500 kg  
 Front axle load: 6,000 Kg

## GENERAL ARRANGEMENT DRAWINGS



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