

TRX 1550



ESCORTS

New Generation Crane

- 14T Capacity Crane with 50ft boom
- 4 Part boom for attaining higher heights
- Front mounted cabin for better Visibility
- Chassis type design & optimized geometry for enhanced stability & control
- Low Creep Speed of 2km/hr for better handling of loads



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TRX 1550

Specifications

RATED CAPACITY

- (as per IS 4573) ▶ 14 T @ 1.52 m radius
0.9T @ 12.4 m radius

ENGINE

- Make & Model ▶ Escorts E4.286 NA Four Cylinder, Water Cooled Diesel Engine developing 50 HP @ 2200 RPM or equivalent

TRANSMISSION

- Drive ▶ 2 Wheel Drive
Type ▶ Heavy Duty, Constant Mesh, Helical Teeth Gearbox coupled with straight drive axle
Speeds ▶ 8 Forward & 2 Reverse speeds with High / Low Selector
Creep Speed ▶ 2 km/hr under laden condition, ideal for crane operation (with load)
Clutch ▶ Single Plate, Heavy Duty type

STEERING

- Type ▶ Power Steering, Articulated, hydraulically controlled, actuated by Steering Wheel.
Articulation ▶ 45° on either side

BRAKES

- Front Wheel ▶ Fully Pneumatic brakes on front wheels
Rear Wheel ▶ Pneumatic brakes on rear wheels
Parking ▶ Pneumatic operated, fail safe type applicable on front wheels

TYRES

- Front ▶ 11.00 X 20 - 16PR (4 nos.), inflation pressure 110-115 PSI
Rear ▶ 14.00 X 24 - 16PR (2 nos.), inflation pressure 58 PSI.
Water Ballasted

TRACK

- Front ▶ 1930 mm
Rear ▶ 1680 mm
Turnig Radius ▶ 6.8 m

BOOM

- Luffing Angle ▶ From - 3° to 62°
Telescoping ▶ 4 part, 3 part hydraulically powered & fully synchronized, 4th part power extended & manually pinned
Type ▶ Slotted Boom with Rope compensation.
Derricking ▶ Through double acting jacks.

HOIST MECHANISM

- Hoist ▶ Hydraulic winch. Six falls (Winch capacity 12T)
Rope dia 13 mm

HYDRAULIC SYSTEM

- Pump ▶ Vane type hydraulic pump.
Control Valve ▶ Control valve with built in pressure relief valve for precision control.
Hydraulic Filter ▶ Suction line has a 100 mesh inline strainer while return line has 25 microns full flow filter.

ELECTRICAL SYSTEM

- Type ▶ 12V Single battery, Negative earth.

CAPACITIES

- Fuel Tank ▶ 90 Ltrs.
Hydraulic Tank ▶ 90 Ltrs.

OPERATING WEIGHT(Kg)

- Gross Vehide Weight ▶ Standard M/C 13485 kg
▶ With Outriggers 14065 kg

OVERALL DIMENSIONS

- Length ▶ 12100 mm
Width ▶ 2550 mm
Height ▶ 2780 mm

SAFETY SYSTEM

- ▶ Rear View Camera with LCD Display.
▶ Wheel guard.
▶ Rope Compensation for auto levelling.
▶ Safety brakes on hoist.
▶ Hose protection failure device.
▶ Front Mounted Cabin.

STANDARD ACCESSORIES

- ▶ All weather cabin
▶ Steering Wheel
▶ Front Bumper
▶ Reflectors
▶ Rear View Mirror
▶ Rear Camera with LCD Display
▶ Wheel Guards in the front & rear

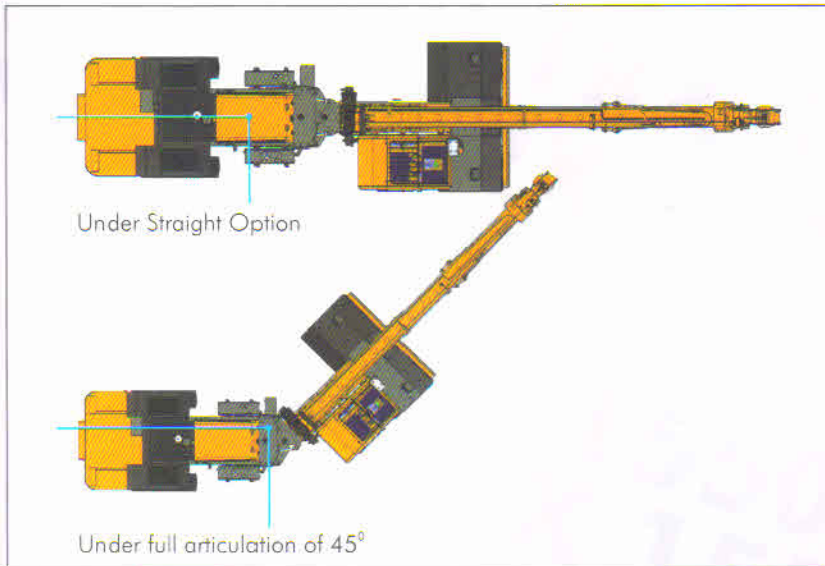
OPTIONAL ACCESSORIES

- ▶ Fly Jib
▶ Air Conditioned Cabin
▶ Safe Load Indicator with hydraulic cut off
▶ Over Hoist and over load cut off
▶ Tilt Indication Inclonometers
▶ Front Outriggers
▶ Fire Extinguisher
▶ Beacon Light
▶ Helper Seat
▶ Spark Arrestor

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Features



Stability of Crane Under Articulation ▲

The Center of Gravity is low and falls within the dimensions even under articulation.



Rear View Camera ▲

Rear view Camera with LCD display in cabin, ensures complete rear view increasing safety



SLI ▲

Safe Load indicator with features like 1 hook/ 3 hooks calibrations & fail safe operations with cut off.



Front Mounted Cabin

Front cabin for better visibility & control of loads. Line of sight is always aligned with load even in articulation.



Out Riggers

Front Outriggers (optional) prosted for additional safety while on erection jobs.



Slotted Boom

Slotted Boom with Rope Compensation for auto levelling of load and precision handling.



Tyre Guard ▲

Tyre Guard option for enhanced safety for operation crew.



Steering Wheel ▲

Articulated power steering controlled through steering wheel for safe usage and precision



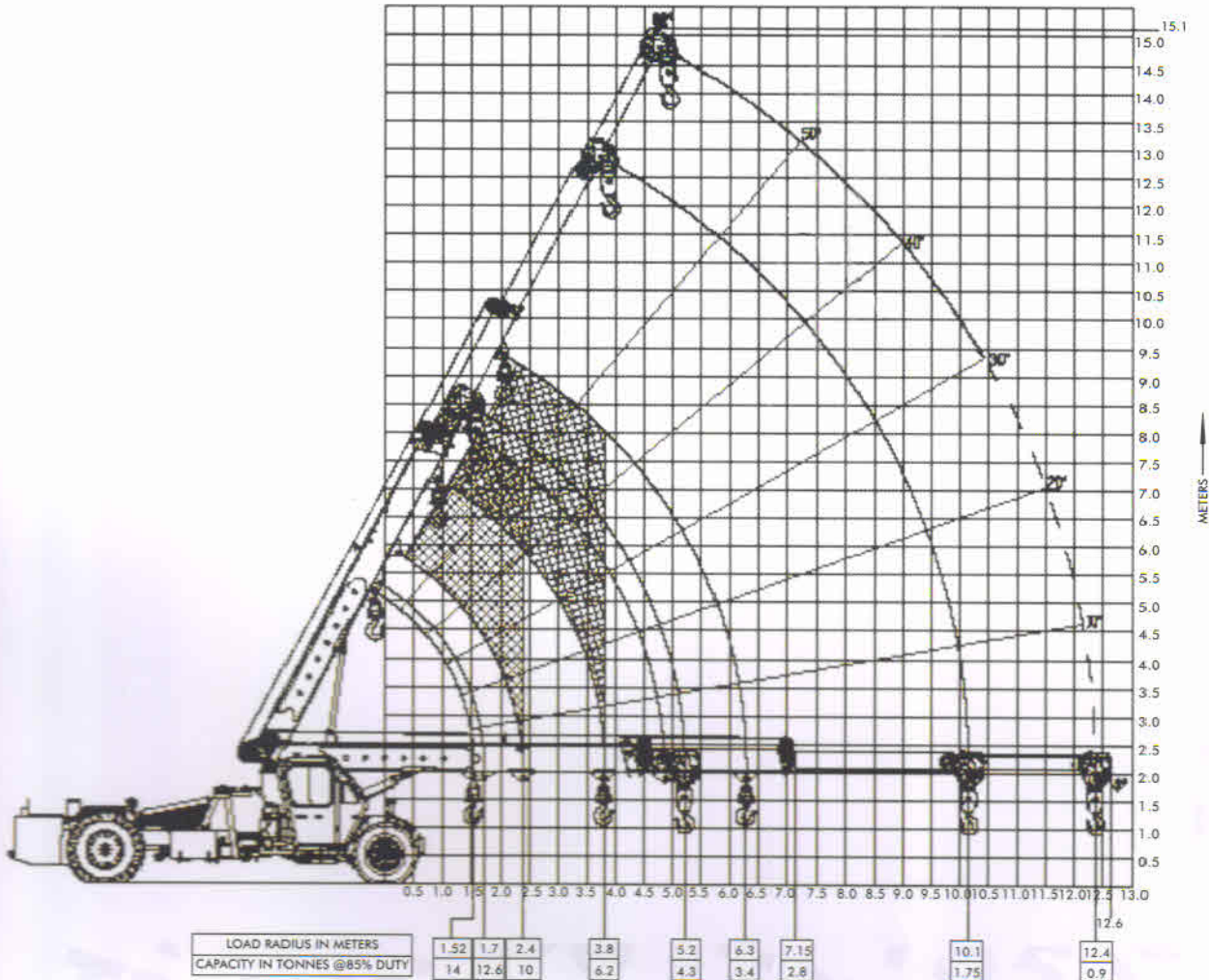
Visibility ▲

Operator's visibility is optimum from the cabin for better controls.

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Load Chart



Note:

- Max Lifting Capacity : 14 T
- Max Boom Height : 15.1m with 4 Part boom
- Max Horizontal Reach : 12.4 m
- 14T can be lifted to a height of 5.4 m
- 12.6T can be lifted to a height of 5.4m
- 10T can be lifted to a height of 9.3 m through winch/ 8m through slotted boom
- 6.2T can be lifted to a height of 12.5 m through winch / 9.3 m through slotted boom
- 4.3T can be lifted to a height of 15 m through winch
- Tyres to be inflated with recommended air pressure
- Lifting Capacity is as per IS: 4573 -1982 on a firm and level ground
- Weights of chains , slings & tackles to be considered extra



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