

Note:

- Maximum Load Lifting Capacity : 23 T
- Max Boom Height : 19m/22m with fly jib
- Max Horizontal Reach : 16.6m
- 12T can be lifted to the under hook height of 11.7m
- 10T can be lifted to the under hook height of 13.1m
- 9T can be lifted to the under hook height of 14.2m
- 8T can be lifted to the under hook height of 14.8m
- Telescopic capacity (laden) of snatch block from pt. 'A' to 'B' – 9T
- 1.5T can be lifted to the under hook height of 18.4m
- 1T can be lifted to the under hook height of 21.6m
- Tyres to be inflated with recommended air pressure
- Lifting capacity is as per IS: 4573 – 1982 on a firm & level ground
- Weights of chains, slings & tackles to be considered extra

The information contained in this leaflet is intended to be of general nature only. We reserve the right to change the specifications without any prior notice. All dimensions and weights are variable with in ±5%

New Generation Crane

PICK-N-CARRY HYDRAULIC MOBILE CRANE

- Maximum Load Lifting Capacity 23T
- Maximum Boom Height 22m with Fly Jib
- Maximum Horizontal Reach 16.6 m
- Hydrostatic Transmission Speed up to 40kmph
Stepless Variable



SAFE • STRONG • STURDY

TRX 2319

Features

RATED CAPACITY

- ▶ 23T @ 1.5m radius from the center of front wheel
- ▶ 0.9T @ 16.6m from the center of front wheel

ENGINE

- ▶ Make & Model KIRLOSKAR 6R1040TA 6-Cylinder BS III Water Cooled Diesel Engine
- ▶ Rated power for crane 130 HP @ 2500 RPM or equivalent engine

TRANSMISSION

- ▶ Drive 2 Wheel Drive
- ▶ Type Hydrostatic Transmission
- ▶ Travel Speeds 40 Km/h (unladen condition)
- ▶ Grade ability 35% unladen

STEERING

(Fully powered orbital steering with twin double acting rams)

- ▶ Type Articulated Power Steering, Through Steering Wheel
- ▶ Articulation Upto 35° on either side
- ▶ Turning Radius 8.5m approx.

BRAKES

- ▶ Service Fully Air Operated "S" Cam Dual Critical Brakes on Both Axles
- ▶ Front Wheel Pneumatically Assisted Hydraulic Brakes
- ▶ Parking Spring Loaded Brake, Air-Released on Rear Axle

TYRES

- ▶ Front 12.00x24-20 PR (Four Nos.)
- ▶ Rear 17.5x25-20 PR (Two Nos.)

TRACK

- ▶ Front 2150mm (Center of twin wheels)
- ▶ Rear 2000mm (Center of wheels)
- ▶ Wheel base 4800mm

AXLES

- ▶ Front Rigidly Mounted on Front Frame
- ▶ Rear Drive axle, Mounted on Semi Elliptical Springs

BOOM

- ▶ Telescoping Four Part Boom,
- ▶ 3 Part Hydraulically Powered and Fully Synchronised
- ▶ 4th Part Mechanically Extended (Use 6 Fall When Mechanical Extension is Retarded)
- ▶ (Use 4 Fall When Mechanical Extension is Extended)
- ▶ Derricking Through Double Acting Jacks

HOIST MECHANISM

- ▶ Hoist Hydraulic Winch With Six/Four Falls Rope dia 13 mm

HYDRAULIC SYSTEM

- ▶ Travel Motor Pump Axial Piston Pump (Close Loop Circuit)
- ▶ Craning & Steering Pump Bent Axis Variable Displacement Motor (Close Loop Circuit) Tandem Vane Pump

CONTROL VALVE

- ▶ Proportional Control valve hydraulically actuated through Joy stick
- ▶ 3spool Double acting with a built in relief & auxiliary valves

FILTERS

- ▶ High Pressure 10 micron in Travel Circuit while craning circuit has 25 micron full flow filter

ELECTRICAL SYSTEM

- ▶ Type 12V DC Single battery, Negative Earth

CAPACITIES

- ▶ Fuel Tank 180 Ltrs.
- ▶ Hydraulic Tank (Open circuit) 170 Ltrs.
- ▶ Hydraulic Tank (Closed circuit) 70 Ltrs.

AXLE LOADING

- ▶ Rear Axle 9850 kg
- ▶ Front Axle 8350 kg

OVERALL DIMENSIONS

- ▶ Height 3100 mm
- ▶ Width 2500 mm
- ▶ Length 11160 mm

SAFETY SYSTEM

- ▶ Telescoping Safe Load Indicator with hydraulic cut off
- ▶ Safety brakes on hoist
- ▶ Hose protection failure device
- ▶ Rope compensating snatch block



Slotted Boom

4 part boom (3 part hydraulically powered +4th part mechanically operated) for higher coverage of long distances



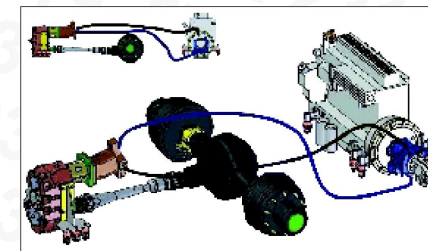
Travel Speed

Maximum Travel speed of 40 km/hr (unladen) for faster coverage of long distances



Front Mounted Cabin

Front-end centrally mounted aesthetically designed spacious cabin for 2 persons with for better maneuverability and erg operation ergonomic controls and joy stick control for better maneuverability and erg operation.



Transmission

Hydrostatic Transmission with step less variable speeds



Load Deck

A large load deck is available.



Safe Load Indicator

Safe load indicator (SLI) system as a standard fitment

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