

TRX 2319



Capacity:
23 T



Boom Height
(with fly jib)
22.0 M



Equipment
Monitoring System
EMS



Creep Speed
1.3 kmph



Stability
Better

SPECIFICATIONS



RATED CAPACITY

Capacity	23T @ 1.5 m radius
	0.9T @ 16.6 m radius



ENGINE (BS IV)

Volvo - Eicher make CEV BS IV Diesel Engine, Model E494TCI - High Pressure Common Rail System (HPCR) Technology, Turbo Charged Water Cooled, ECU Control Engine Management System, Developing 101 Kw/137HP @ 2200 RPM or Equivalent Engine.



TRANSMISSION & CLUTCH (HYDRAULIC)

Drive Type	2 Wheel Drive
Type	Synchromesh gear box with auxilliary gear box
Travel Speeds	Speed 12 forward and 2 reverse 46 kmph (unladen)
Clutch (Hydraulic)	Single, Dry type friction clutch plate
Gradeability	35% unladen



STEERING

Type	Articulated power steering, through steering wheel
Articulation	Up to 35° on either side
Turning Radius	8.5 m approx



BRAKES

Service	
Rear Wheel	Air operated brakes on rear axle.
Front Wheel	Pneumatically assisted hydraulic brakes.
Parking	
Rear Wheel	Spring loaded brake, Air-released on rear axle.
Front Wheel	Pneumatically assisted Spring loaded, fail safe hydraulic actuated brakes on front axle.



TYRES

Front	12.00 X 24 - 20 PR (Four nos.)
Rear	17.5 X 25 - 20 PR (Two nos.)



TRACK

Front	2150 mm (Center of twin wheels)
Rear	2000 mm (Center of wheel)
Wheel Base	4800 mm



AXELS

Front	Fabricated with front frame
Rear	Drive axle, mounted on semi elliptical springs



BOOM

Telescoping	4 parts boom 3 parts hydraulically powered & fully synchronized. 4 th part power extended & manually pinned for safety (Use 6 falls when mechanical extension is retracted) (Use 4 falls when mechanical extension is extended)
Derricking	Through double acting jacks

NOTES

- Maximum Load Lifting Capacity 23T
- Maximum Boom Height 19 m/ 22 m with fly jib
- Maximum Horizontal Reach 16.6 m
- 12T can be lifted to an under hook height of 11.7 m
- 8T can be lifted to an under hook height of 14.8 m
- Telescope capacity (Laden) off snatch block - 9T



HOIST MECHANISM

Hoist	Hydraulic winch. Six/ four falls. Rope dia 13 mm
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HYDRAULIC SYSTEM

Tandem vane pump - Craning	: 46 CC
Steering pump - Steering	: 26.4 CC



CONTROL VALVE

- Proportional control valve hydraulically actuated through joy stick 3 spool double acting with a built in relief and auxilary valves.
- 2 spool double acting control valve for outrigger operation.



ELECTRICAL SYSTEM

24V, DC, Negative earth



OPERATING WEIGHT

18770 kg



AXLE LOADING

Rear Axle	10100 kg
Front Axle	8670 kg



OVERALL DIMENSIONS

Height	3100 mm
Width	2840 mm
Length	11450 mm



SAFETY SYSTEM

- Safe Load Indicator with Hydraulic cut off
- Safe Brakes on Hoist
- Hose Protection Failure Device
- Rope Compensating Snatch block
- Equipment Monitoring System
- Rear view Camera With LCD,
- Battery cut off Switch



STANDARD ACCESSORIES

- All Weather Cabin
- Mobile Charger
- Rear View Mirror
- Turn & Reverse lamp
- Fly Jib
- Rhino Hook
- Tyre Guard



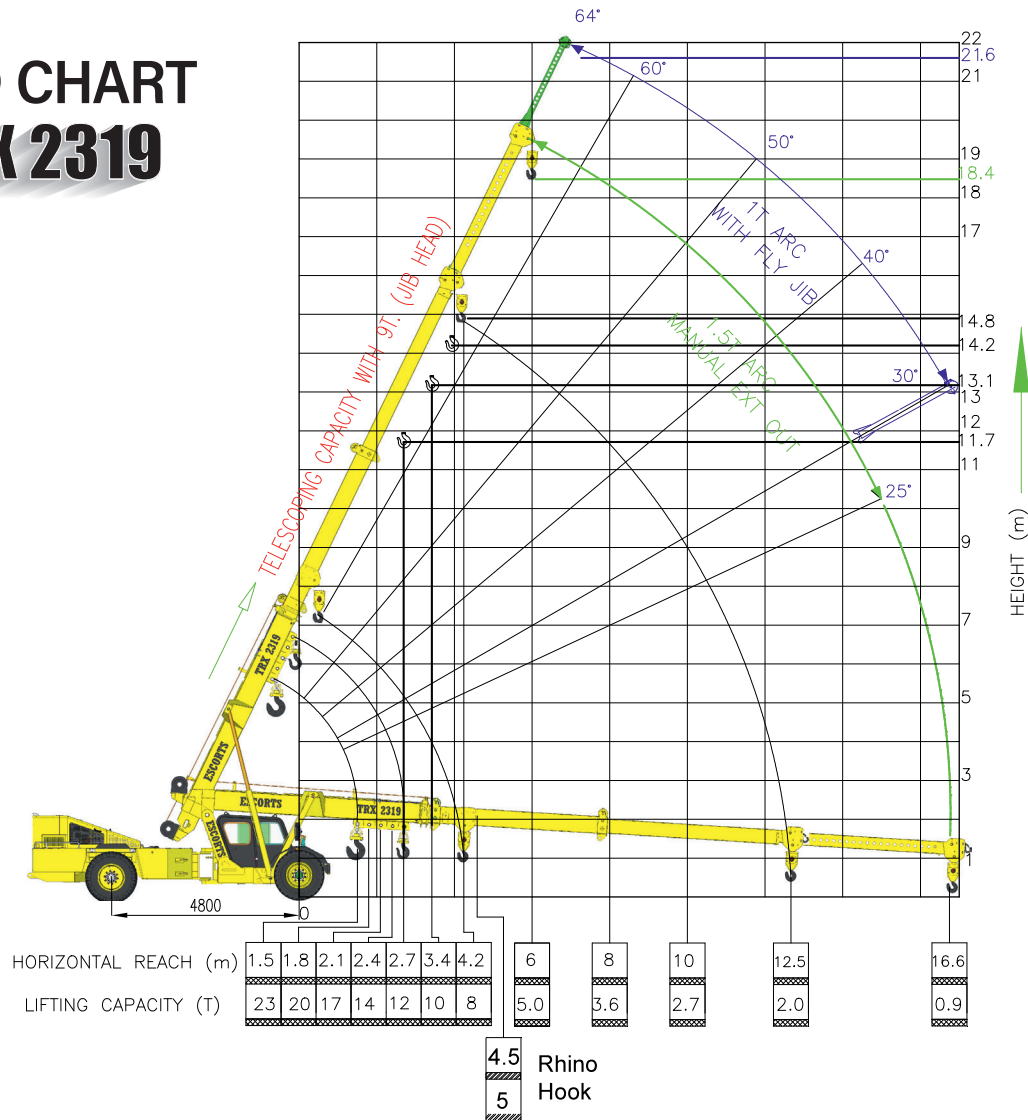
OPTIONAL ACCESSORIES

- AC Cabin
- Fire Extinguisher

- Tyres to be inflated with recommended air pressure
 - Front tyres (Dual) - 7 bar (Air Pressure)
 - Rear tyres (Single) - 7 bar (Air Pressure)
- Travel speed with load (Creep) - Not to exceed 2 kmph
- Weight of chains, slings and tackles to be considered extra

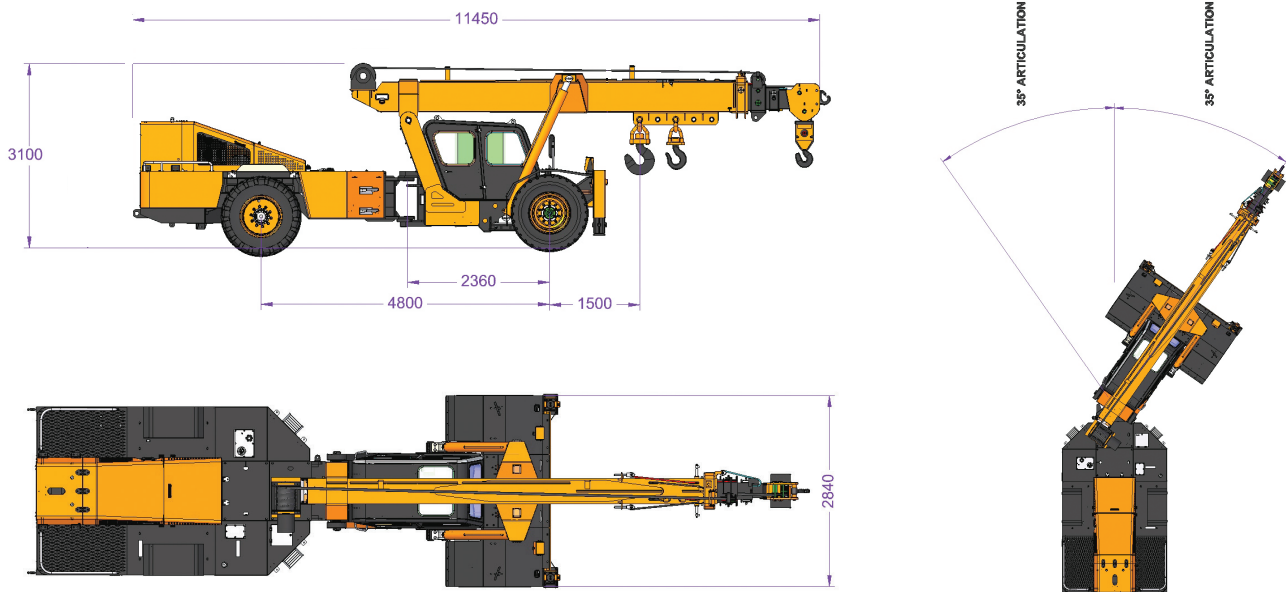
TRX 2319

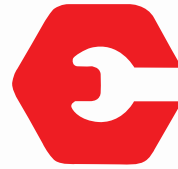
LOAD CHART TRX 2319



Rated loads are calculated for operation on leveled surface.

TRX 2319: DIMENSIONS (Ref.) & AREA OF OPERATION





FEATURES



HYDRAULIC CLUTCH

Low effort hydro pneumatic clutch to reduce operator fatigue.

ELECTRONIC ACCELERATOR PEDAL

Accelerator Pedal - Low effort electronic accelerator pedal reduce operator fatigue.



ECU EMS SYSTEM

ECU EMS – Electronic Control Unit for Engine Management System for Engine diagnosis and troubleshoot.



IGNITION ON/ OFF

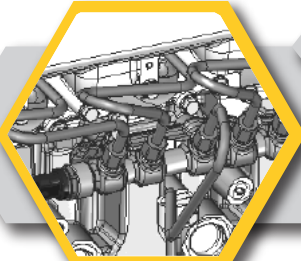
Ignition key to switch off engine, no more use of stop cable to engine put off.



SWITCH OFF ENGINE

HPCR SYSTEM

HPCR – High Pressure Common Rail System - HPCR provide cleaner exhaust, deliver more horsepower and fuel efficiency per displacement.



ROCKER SWITCHES

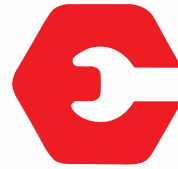
Rocker Switch with more reliable and better aesthetic appearance, low operator fatigue.



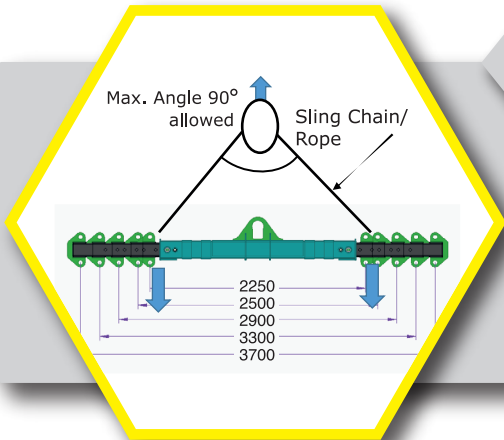
CLUSTER

Single Digital Cluster with all gauges, fault code detection for engine system, date and time display feature, less number of wiring harness.





ACCESSORIES



SPREADER BAR CUM LIFTING BEAM

Spreader Bar is used to aid crane operators in picking up large and sometimes heavy loads. It increase the stability and handling of load during hoisting and traveling with load.

Lifting Capacity- 5 Tonnes to 15 Tonnes
(depending on the crane load chart)

Beam Expend Range: 2250 mm to 3700 mm

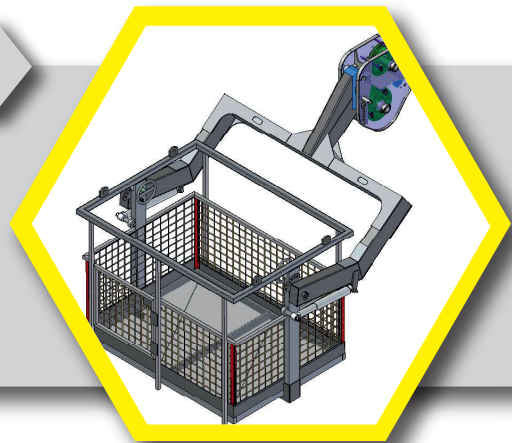
Note: Attachment view is for ref. only. Physical part may be differ from provided.

MAN CARRYING BASKET

ATTACHMENT SPECIFICATION		
ATTACHMENT WEIGHT	KG	240
MAX. CAPACITY	KG	235
NO. OF PERSONS.	N°	2
PLATFORM LENGTH	mm	1440
PLATFORM WIDTH	mm	1070

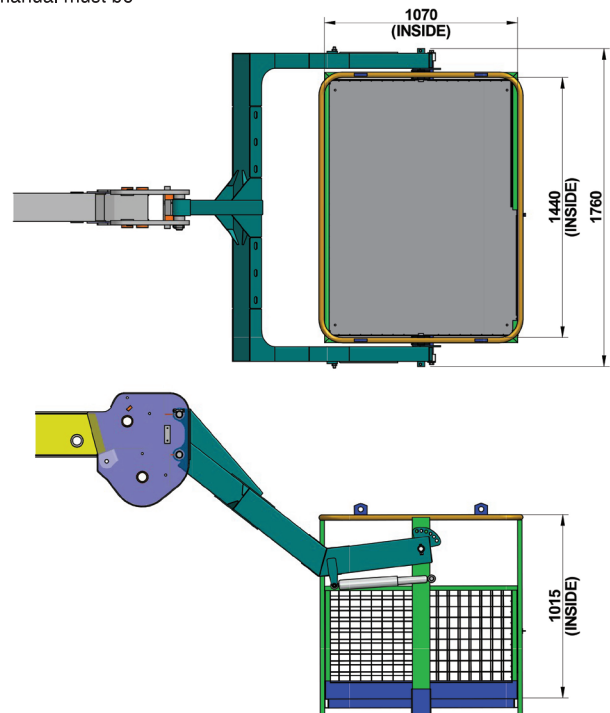
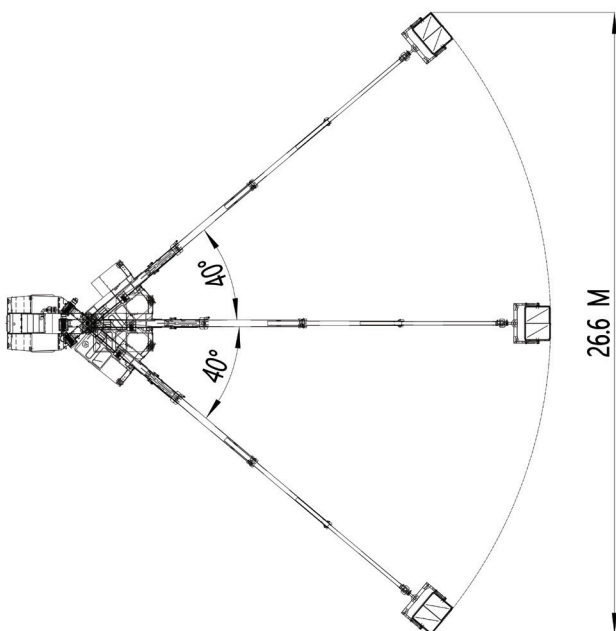
Intended use

The machine has been designed to lift people and handle small tool, max load 235 kg or 2 persons

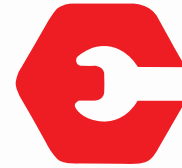


BE CAREFUL!

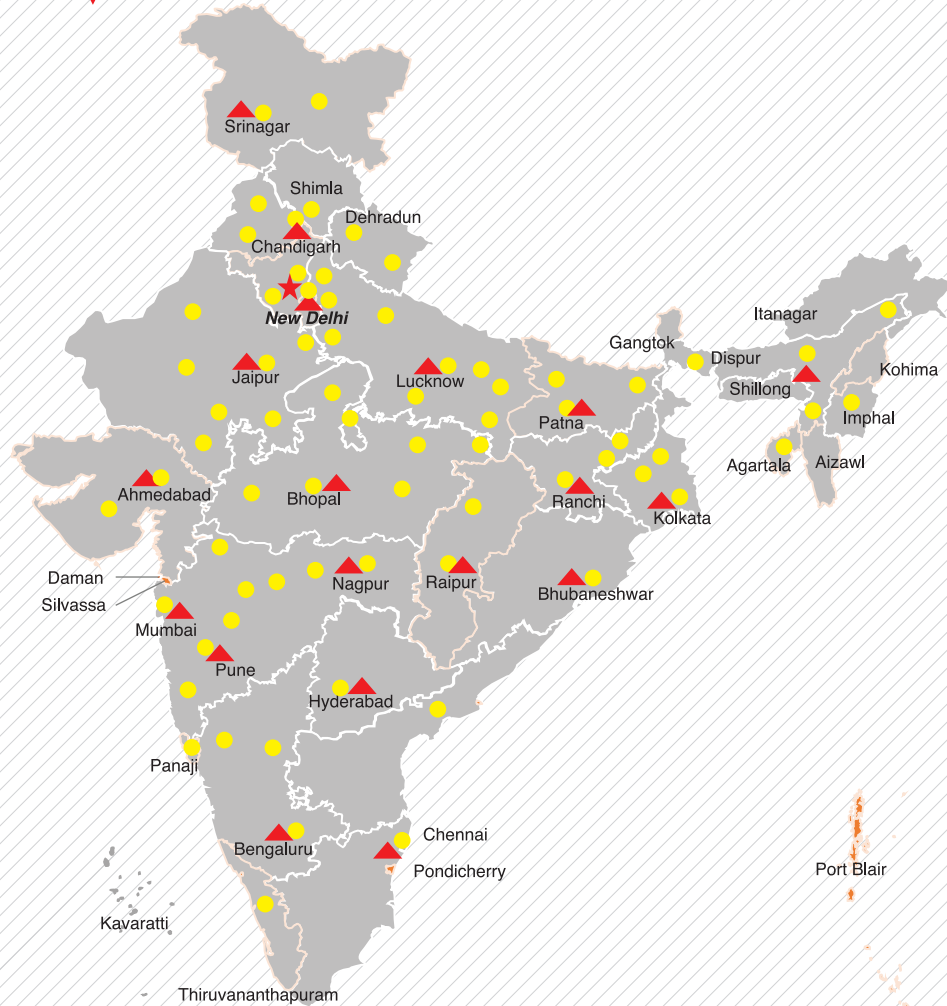
When in the firm the same machine is to be used by more than one operator, working instructions as well as the use and maintenance manual must be conveyed to all the operators in charge of the machine.



ATTACHMENT DIMENSIONS



OUR REACH



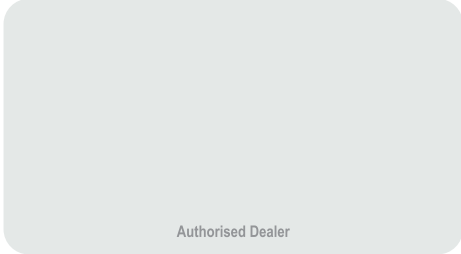
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• The information contained in this leaflet is intended to be of a general nature only. • We reserve the right to changed specifications without notice. • All Dimensions and weights are variable within +/-5%.

(Accessories as shown in the picture may not be the part of standard fitment and are subject to change without prior notice.)

MKT/21.1/TRX - 2319