













Creep Speed
1.3 kmph



Heavy Duty

## **SPECIFICATIONS**

## **RATED CAPACITY**

1.5 m radius 20 Tonnes at 900 kg at 16 m radius Max Height 19.5 m

SWL based on 85% stability & strength (IS 4573)

### **VEHICLE PERFORMANCE**

Speed Max 40 kmph Creep Speed 1.3 kmph

## **DRIVE**

2 Wheel Drive optional 4 Wheel Drive

## **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 74 Kw/101HP @ 2200 RPM or Equivalent Engine.

## **CLUTCH (HYDRAULIC)**

Single, dry type friction clutch plate Low effort hydro pneumatic clutch

## **BRAKES**

2WD - Service Brakes Fully air operated brakes on

front wheels, pneumatically assisted hydraulic brakes on

rear wheels.

Parking Air operated, spring actuated, fail safe brakes on front wheels.

Pneumatically assisted, spring loaded, fail safe, hydraulically actuated brakes on rear wheels. Fully air operated brakes on

front and rear wheels.

Air operated, spring actuated, fail Parking safe brakes on front and rear wheels.

## **TYRES**

8 nos.-12 x 24-20 PLY

4WD - Service Brakes

## **HYDRAULIC SYSTEM**

Main Pump Tandem Hydraulic vane pump main Control valve Main control valve 3 spool double

acting with a built in relief &

auxiliary valves

Outrigger 2 Spool Double acting type Control valve

## **STEERING**

Full power orbitrol with twin hydraulic double acting rams 40° articulation on either side

## **TRANSMISSION**

VECV make Synchromesh Gearbox, Auxiliary gearbox for high & low range.



## **ELECTRICAL SYSTEM**

24V, DC



### **BOOM**

4 parts boom, 3 parts hydraulically powered & fully synchronized, 4th part power extended & manually pinned for safety



## **HOIST**

15T hydraulically operated with 6 falls Built in safety brakes



## WHEEL BASE

4880 mm



## **DIMENSIONS**

10900 mm Overall Length Overall Width 2700 mm Overall Height 3300 mm

## WHEEL TRACK

Front 1960 mm Rear 1960 mm

## **OPERATING WEIGHT**

9275 kg Front Axle 10200 kg Rear Axle Total 19475 kg

## **TURNING RADIUS**

7.85 m



### **STANDARD ACCESSORIES**

All Weather Cabin with Unrestricted Visibility Rear View Camera with LCD

Equipment Monitoring System (telematics)

Front Outriggers Wheel Guards

FM Radio and Mobile Charger

Battery Cut off Switch

### **OPTIONAL ACCESSORIES**

Safe Load Indicator with Hydraulic Cut Off Air Conditioned Cabin, Man Carrying Basket

Fire Extinguisher

Fly Jib

Beacon Light

Pilling Application

Spreader Bar

Helper Seat Platform



### **AUXILIARY GEARBOX**

Specially designed AGB developing lowest creep seed & high torque



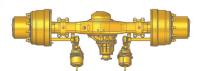
### **AXLES**

Rear

Heavy duty rigidly mounted front wheel drive axle Front

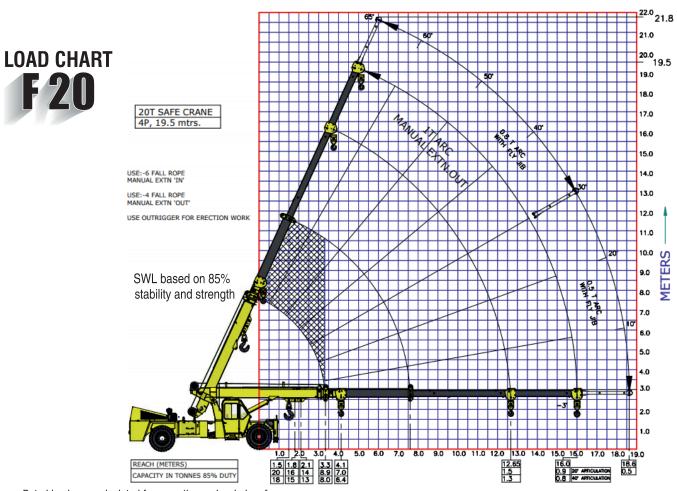
Mounted with

semi-elliptical springs



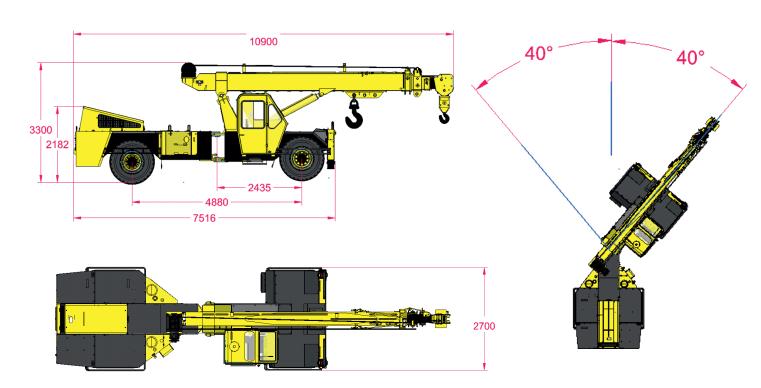
### **HEAVY DUTY AXLE**

Heavy duty 37.3 ton hub reduction axle for heavy load applications



Rated loads are calculated for operation on leveled surface.

## F20: 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.





## **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.



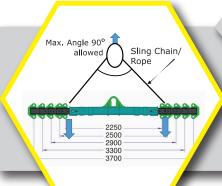


## **CLUSTER**

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

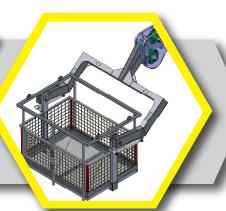
**Note:** Attachment view is for ref. only. Physical part may be differ from provided.

## **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

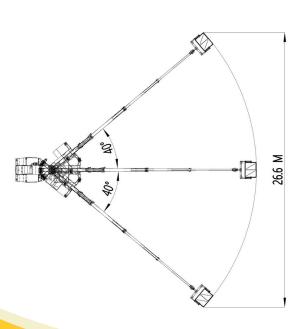
The machine has been designed to lift people and handle small tool, max load 235 kg or 2 persons

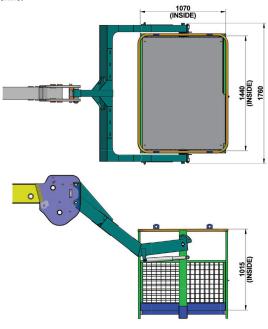




## **BE CAREFUL!**

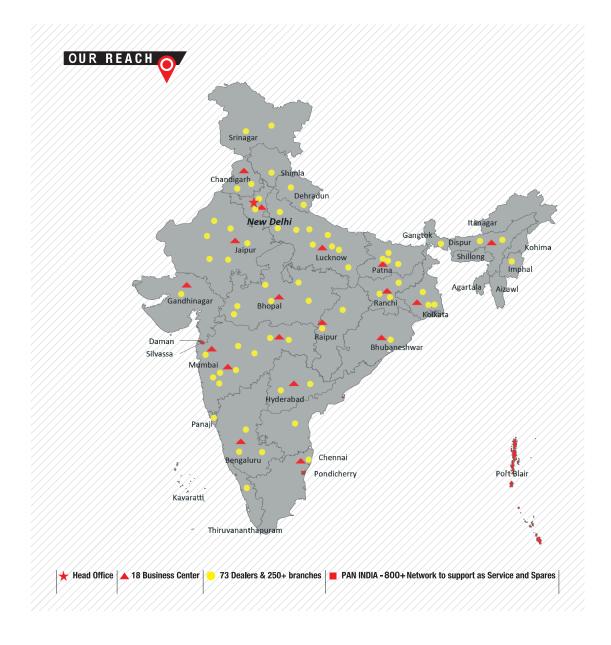
When in the firm the same machine is to be used by more than one operator, working instructions as well as the use and maintenance manual must be conveyed to all the operators in charge of the machine.





ATTACHMENT DIMENSIONS







Toll Free No.: 1800- 180- 4488 (Timings: 9.30 am - 6.00 pm, Monday to Friday)

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