

F 17



Capacity:
17 T



Boom Height
(with fly jib)
21 M



Snatch Block
Heavy Duty
(6 Falls)



Creep Speed
1.3 kmph



Structure
Heavy Duty

SPECIFICATIONS



RATED CAPACITY

17 Tonne at 1.5 m radius
 1 Tonne at 15.80 m radius
 Max Hook Height 18.2 m
 SWL based on 85% stability and strength (IS 4573)



VEHICLE PERFORMANCE

Speed Max 41 kmph
 Creep Speed 1.3 kmph
 Gradeability 40% unladen



DRIVE

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.



TRANSMISSION & CLUTCH (HYDRAULIC)

Engine is coupled with Synchromesh Transmission Gear Box and Auxiliary Gear Box with high/low & 2WD/4WD mode selector

Clutch Single, dry type friction clutch plate (self adjusting)
 Speeds 10 Forward & 2 Reverse



BRAKES

Service Fully air operated 'S' cam dual circuit brakes on front & rear axles
 Parking Air operated, spring actuated, fail safe brakes



AXLES

Front Rigidly mounted
 Rear Mounted with two semi-elliptical springs



TYRES

8 nos. - 11 x 20 - 16 PR



HYDRAULIC SYSTEM

Main pump of 46 cc/rev
 Control Valve - 6 spool double acting with a built in relief & auxiliary valves



HOIST

Hydraulically operated with 6 falls, built in safety brakes



STEERING

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



ELECTRICAL SYSTEM

24 V, DC



BOOM

4 parts Slotted Boom with 3 parts hydraulically powered & fully synchronized, 4th part power extended and manually pinned for safety. Luffing Range -10° to + 65°



DIMENSIONS

Wheel Base 3950 mm
 Overall Length 10075 mm
 Overall Width 2450 mm
 Overall Height 3215 mm
 Front Wheel Track 1825 mm
 Rear Wheel Track 1825 mm



OPERATING WEIGHT

Front Axle 6760 kg
 Rear Axle 10150 kg
 Total 16910 kg



TURNING RADIUS

7.2 m



STRUCTURE AND STABILITY

Robust high strength light weight chassis
 Lower CG position & better stability



STANDARD ACCESSORIES

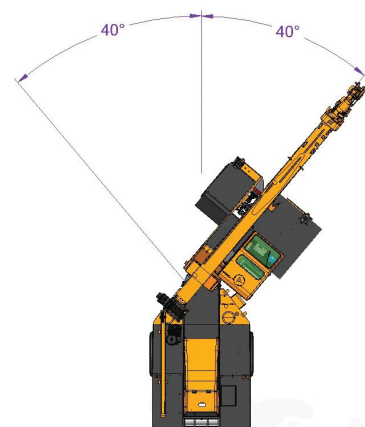
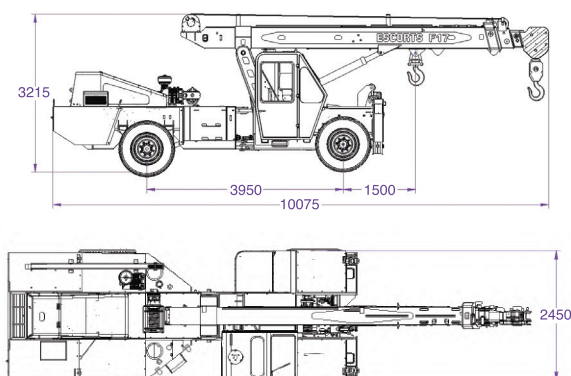
Fly jib Tyre Guard, Battery cut off Switch
 Outriggers Rear View Camera (Display)



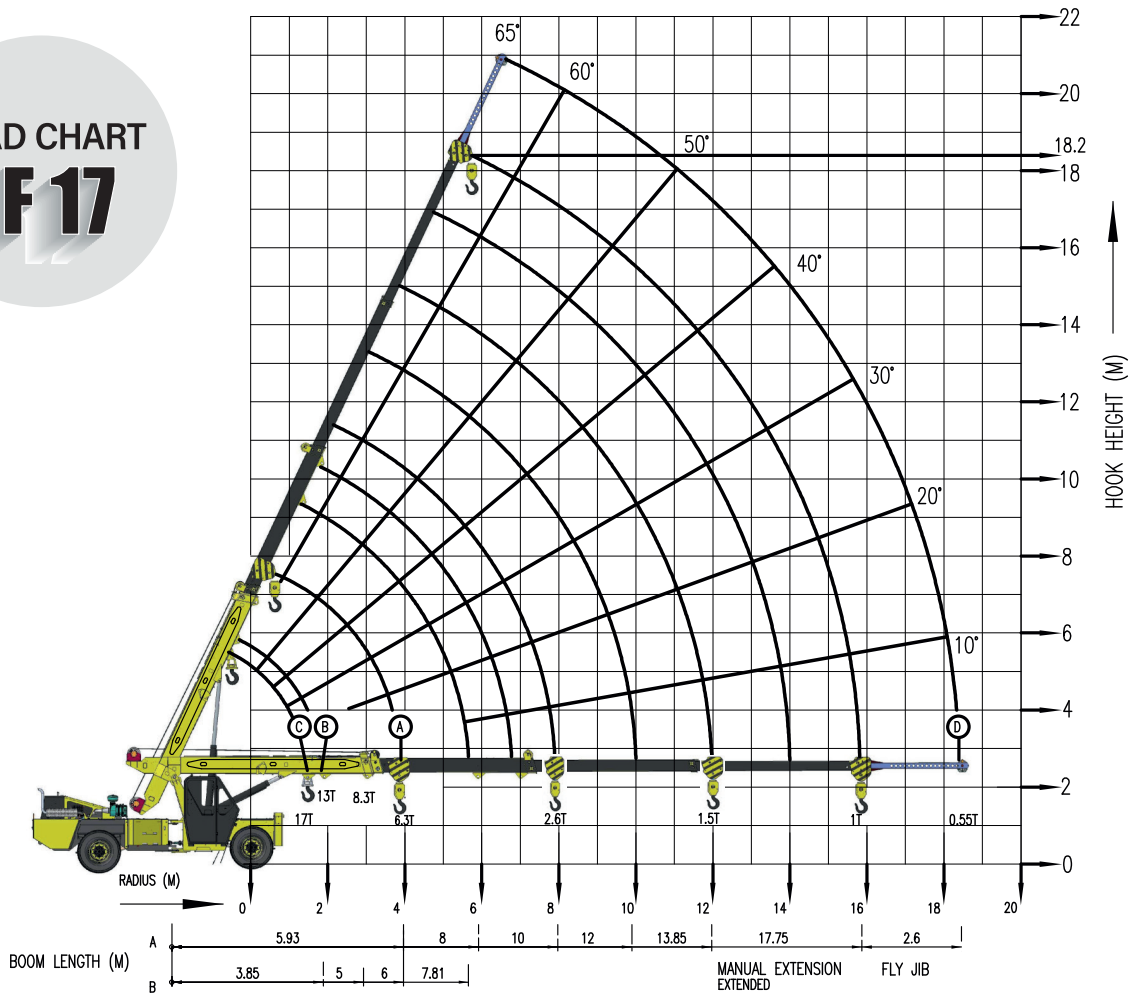
OPTIONAL ACCESSORIES

AC Cabin Drag Winch
 Rhino Hook SLI with Hydraulic Cutoff
 Beacon Light Helper Seat with Platform
 Fire Extinguisher Man Carrying Basket
 Equipment Monitoring System (EMS)

F17: DIMENSIONS (Ref.) & AREA OF OPERATION



LOAD CHART F17



| Radius (M) | A | | | | | |
|------------|--|------|------|------|-------|---------------------------|
| | BOOM LENGTH IN METERS - MANUAL EXTENSION RETRACTED | | | | | MANUAL EXTENSION EXTENDED |
| | 5.93 | 8 | 10 | 11 | 13.85 | 17.75 |
| 2 | 8250 | 8250 | 8250 | | | |
| 3 | 8250 | 8250 | 7590 | 5720 | | |
| 4 | 6325 | 6270 | 5577 | 4950 | 4365 | |
| 5 | | 4850 | 5200 | 4400 | 3800 | 1850 |
| 6 | | 3950 | 3850 | 3800 | 3400 | 1700 |
| 7 | | | 3150 | 3150 | 3000 | 1600 |
| 8 | | | 2650 | 2725 | 2640 | 1540 |
| 9 | | | | 2340 | 2280 | 1450 |
| 10 | | | | | 1950 | 1375 |
| 11 | | | | | 1705 | 1290 |
| 12 | | | | | 1485 | 1245 |
| 13 | | | | | | 1220 |
| 16 | | | | | | 990 |
| 18 | | | | | | |

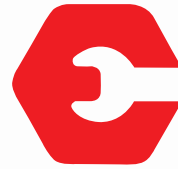
| B | | | |
|--|-------|-------|-------|
| BOOM pivot to inner lug 1st jib extn, manual extn. retracted | | | |
| 3.85 | 5 | 6 | 7.81 |
| 13200 | 12100 | 12100 | 11600 |
| | 7700 | 7700 | 7370 |
| | | 5280 | 5225 |
| | | | 3925 |

| C | |
|----------------------|------------|
| 17T LUG | |
| BOOM FULLY RETRACTED | |
| RADIUS (M) | S.W.L (kg) |
| 1.5 | 17000 |

| D FLY JIB (BOOM EXTENDED) |
|---------------------------|
| 820 |
| 820 |
| 770 |
| 770 |
| 660 |
| 710 |
| 660 |
| 550 |

- RADIUS IS THE HORIZONTAL DISTANCE MEASURED FROM THE CENTRE OF FRONT WHEEL TO THE LOAD POINT
- S.W.L. ARE BASED ON 85% STABILITY & STRENGTH
- S.W.L. ARE BASED ON FIRM LEVEL GROUND WITH TYRES 11X20X16 PLY INFLATED TO 115 PSI, WEIGHT OF HOOKS BLOCKS, SLINGS & CHAIN ETC. INCLUDED.
- LIFT & CARRY - THE S.W.L. SHALL BE CARRIED WITH THE MINIMUM BOOM LENGTH & AS CLOSE TO THE GROUND AS POSSIBLE AT SPEED NOT IN EXCESS OF 2 KM/PH.
- BOOM HEAD MOUNTED RHINO HOOK CAPACITY-6000 KG

Rated load are calculated for operation on leveled surface.



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.



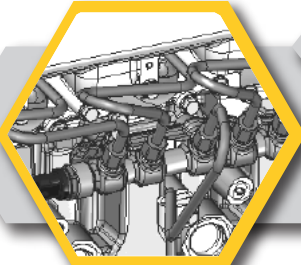
IGNITION ON/ OFF

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

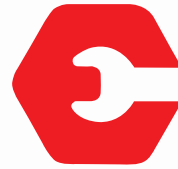
Rocker Switch with more reliable and better aesthetic appearance, low operator fatigue.



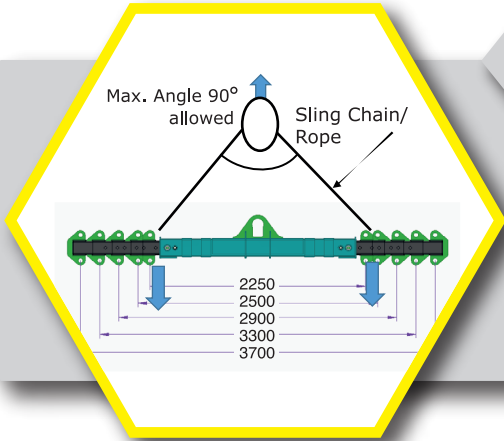
CLUSTER

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)

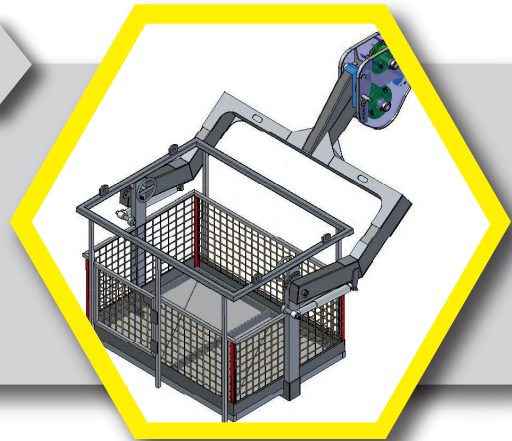
Beam Expend Range: 2250 mm to 3700 mm

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

MAN CARRYING BASKET

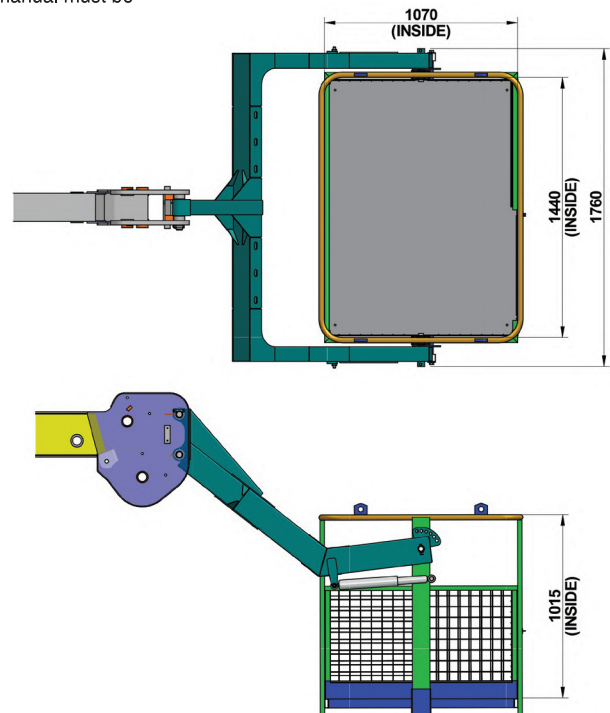
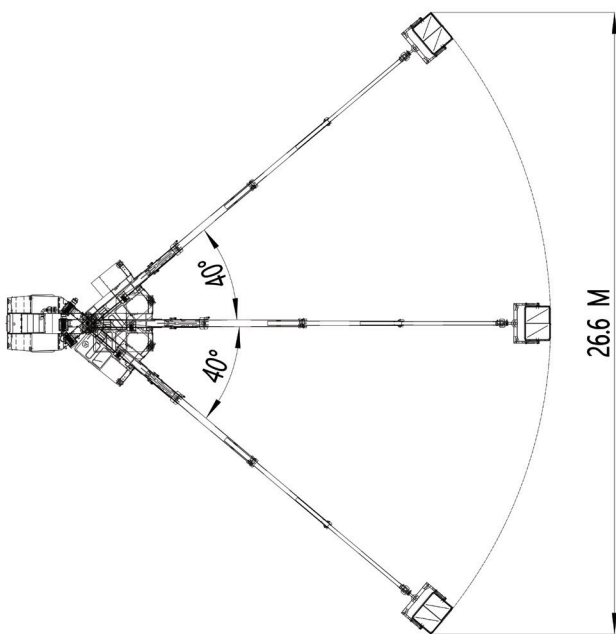
| ATTACHMENT SPECIFICATION | | |
|--------------------------|----|------|
| ATTACHMENT WEIGHT | KG | 240 |
| MAX. CAPACITY | KG | 235 |
| NO. OF PERSONS. | N° | 2 |
| PLATFORM LENGTH | mm | 1440 |
| PLATFORM WIDTH | mm | 1070 |

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



BE CAREFUL!

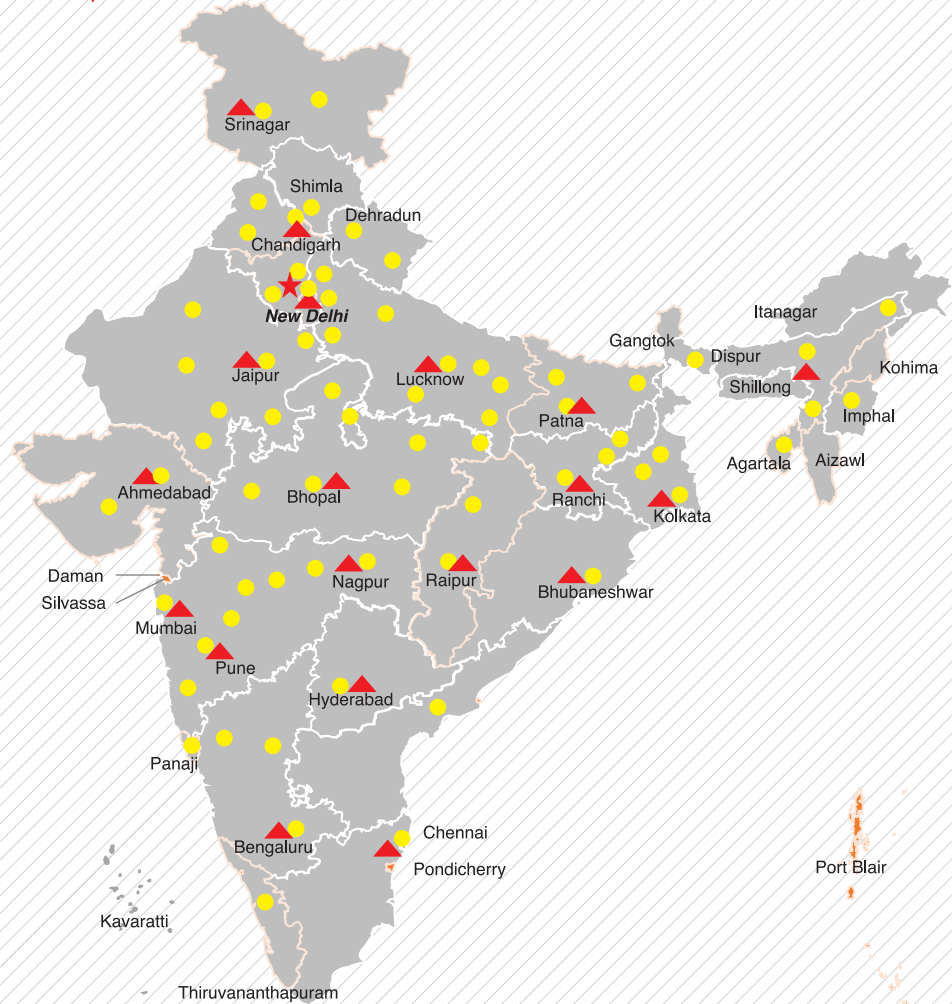
When in the firm the same machine is to be used by more than one operator, working instructions as well as the use and maintenance manual must be conveyed to all the operators in charge of the machine.



ATTACHMENT DIMENSIONS



OUR REACH



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