



F 23



NOW WITH

VECV-494 BS-IV series engine

- | | |
|-------------|--------------------------|
| COMFORTABLE | LOW PEDAL FORCE |
| ECONOMICAL | XTRA FUEL SAVING |
| DURABLE | XTRA CLUTCH LIFE |
| POWERFUL | HIGH BACKUP TORQUE |
| ADVANCE | 500 HRS SERVICE INTERVAL |



Capacity
23 T



Boom Height (With Fly Jib)
22.3 M



Snatch Block
15 T Lifting



Creep Speed
1.3 kmph



Axle
Heavy Duty

SPECIFICATIONS

Contact : 9300723311



CRATED CAPACITY

23 Tonnes at	1.5 m radius
900 kg at	16.6 m radius
Max Height	22.3 m
SWL based on 65% stability & strength (IS 4573)	

VEHICLE PERFORMANCE

Speed Max	40 kmph
Creep Speed	1.3 kmph

DRIVE

4 Wheel Drive

ENGINE (BS IV)

Volvo - Eicher make CEV BS IV Diesel Engine, Model E494TC1 - 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

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)
Clutch Actuation	Pneumatic Assisted Hydraulic clutch
Speeds	10 forward and 2 reverse
Gradeability	40% unladen

TYRES

8 nos. - 12 x 24-20 PLY

STEERING

Full power orbitrol with twin hydraulic double acting rams
35° articulation on either side

CONTROL VALVE

Main Pump	Tandem Hydraulic vane pump
Control valve	Main control valve 3 spool double acting with a built in relief & auxiliary valves
Outrigger	2 spool double acting type
Control valve	
Drag Winch	Single spool double acting
Control valve	

AXLES

Front	Heavy duty rigidly mounted front wheel drive axle
Rear	Mounted with semi-elliptical springs
Make	TATA

ELECTRICAL SYSTEM

24V, DC

BOOM

4 parts boom, 3 parts hydraulically powered & fully synchronized, 4th part power extended & manually pinned for safety
Luffing Range - 3° to 65°

HOIST

15T hydraulically operated with 6 falls Built in safety brakes

WHEEL BASE

4880 mm

DIMENSIONS

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

WHEEL TRACK

Front	1960 mm
Rear	1960 mm

OPERATING WEIGHT TRAVEL WORK

Front Axle	9230 kg	8900 kg
Rear Axle	10130 kg	13050 kg
Total	19360 kg	21950 kg

TURNING RADIUS

7.85 m

STANDARD ACCESSORIES

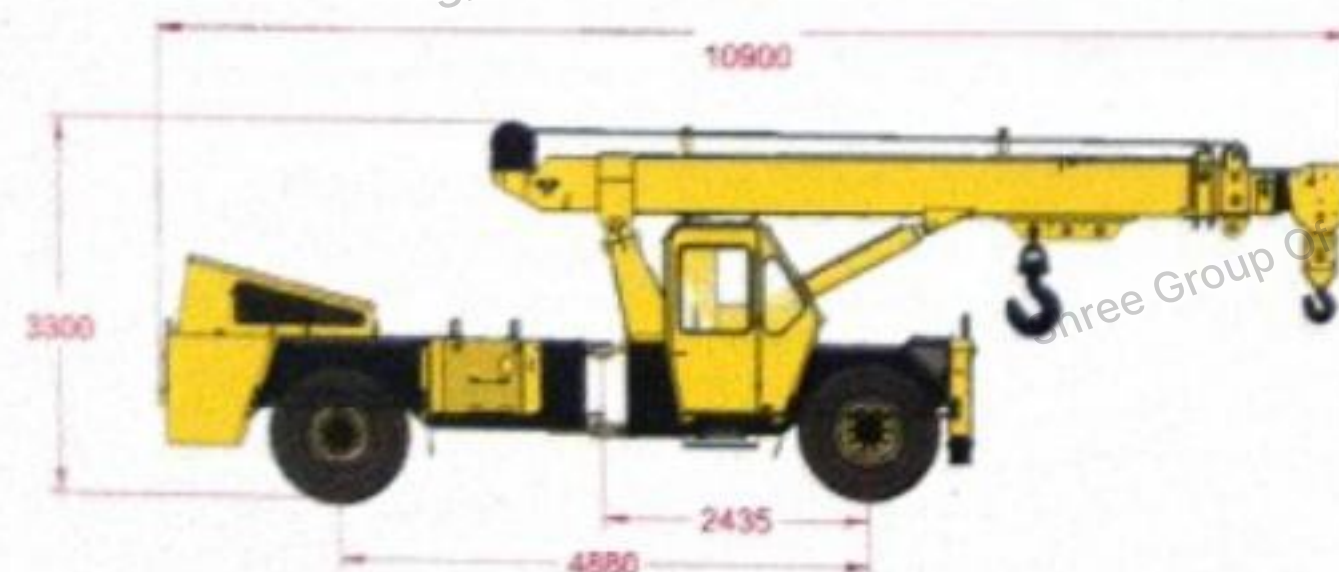
All Weather Cabin with Unrestricted Visibility
Rear View Camera with LCD
Equipment Monitoring System (telematics)
Front Outriggers
Wheel Guards
FM Radio and Mobile Charger
Battery Cut off Switch

OPTIONAL ACCESSORIES

Safe Load Indicator with Hydraulic Cut Off
Air Conditioned Cabin
Man Carrying Basket
Fire Extinguisher
Fly Jib
Spreader Bar
Helper Seat Platform
Drag Winch

NOTE Technical modification reserved. All dimensions & weights are variable within $\pm 5\%$ over indicated values.

F23: DIMENSIONS (Ref.) & AREA OF OPERATION



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LOAD CHART F 23

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23T SAFE CRANE
4P, 20.1 mtrs.

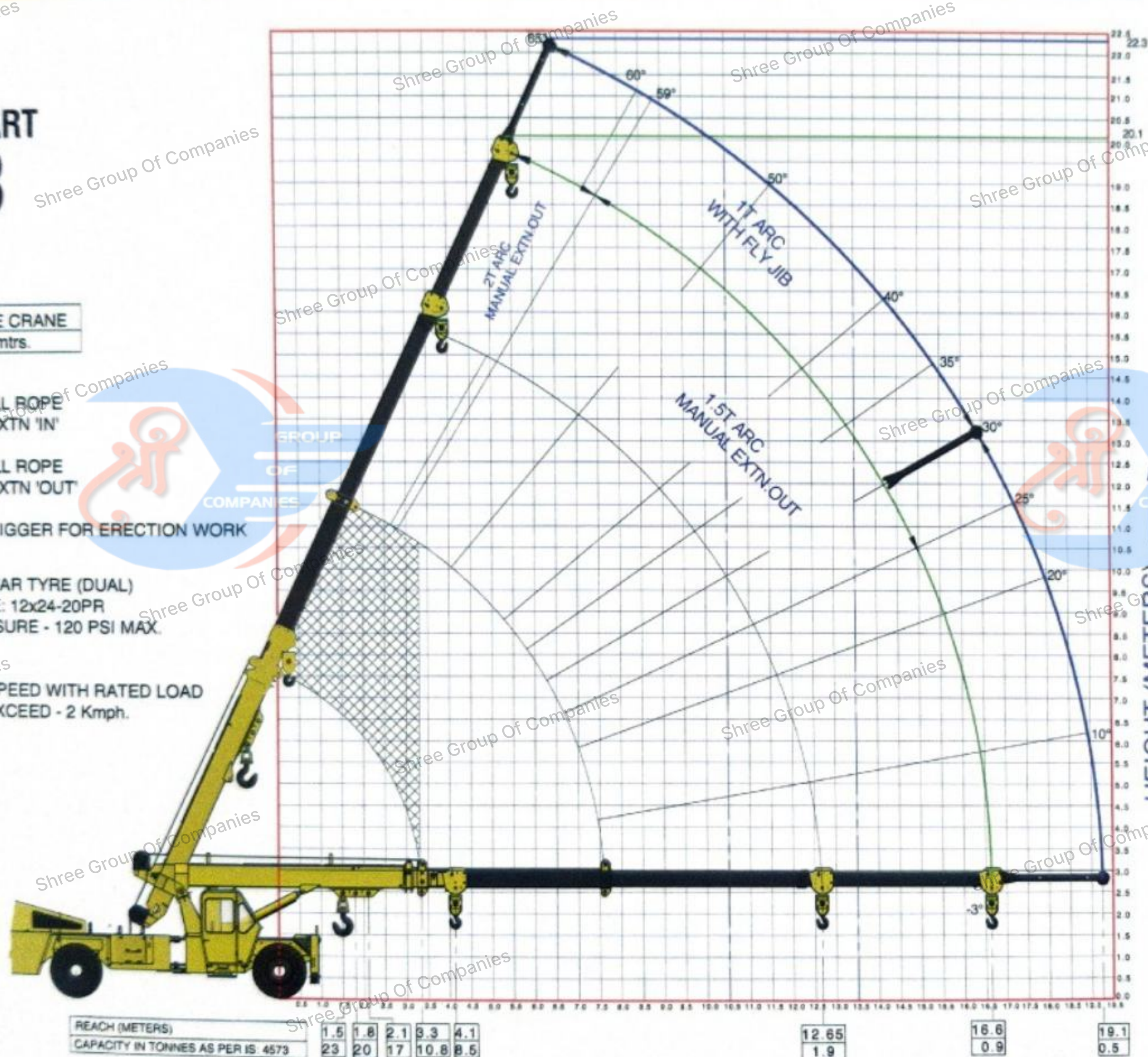
USE -6 FALL ROPE
MANUAL EXTN 'IN'

USE -4 FALL ROPE
MANUAL EXTN 'OUT'

USE OUTRIGGER FOR ERECTION WORK

FRONT/REAR TYRE (DUAL)
TYRE SIZE: 12x24-20PR
AIR PRESSURE - 120 PSI MAX.

TRAVEL SPEED WITH RATED LOAD
NOT TO EXCEED - 2 Kmph.



HEAVY DUTY AXLE

40 Ton Capacity front axle for heavy load applications



*Image for Reference purpose only

Rated loads are calculated for operation on leveled surface.

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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.



*Photo may be change w.r.t actual in equipment