

HYDRA 13

36

ESCORTS HYDRA 13
10-4T 13T



Capacity
13 T



Boom Height
36 Feet



Service Interval (Engine)
500 hrs.



Straight Axle
Heavy Duty



Transmission
Robust

SPECIFICATIONS



RATED CAPACITY

13 Tonne at	1.7 m radius
2.3 Tonne at	8.2 m radius



ENGINE

Make & Model	Escorts AE 4.312C-3A four cylinder, water cooled diesel engine, developing 49.5 HP @ 2200 RPM or equivalent
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*500 hrs service interval available in escorts engine.



TRANSMISSION

Drive	2 Wheel drive
Type	Heavy duty transmission developed especially for crane application. Constant mesh gearbox coupled with straight drive axle. Eight forward and two reverse speeds with high/low selector lever
Max. Speed	29 km/hr. (unladen)
Clutch	Heavy duty clutch, wire woven, asbestos free



STEERING

Type	Articulated power steering, hydraulically controlled through 2 double acting jacks
Articulation	Up to 50°
Turning Radius	Minimum 6.5 m



HOIST MECHANISM

Hoist	Hydraulic winch. Four falls. Rope dia 13 mm
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BRAKES

Front Wheel	Pneumatic assisted hydraulic brakes
Rear Wheel	Disk brakes actuated through a slave cylinder
Parking	Hand control valve operated, Air assisted Hydraulic parking brakes at rear wheels (Standard models) Hand control valve operated, Air assisted Parking brakes at Front wheels (with Air brake models)



HYDRAULIC SYSTEM

Pump	Vane type hydraulic pump
Control Valve	4 spool control valve with built in pressure relief valve and precision control
Hydraulic Filter	Suction line has a 100 mesh inline strainer while return line has 25 microns full flow filter



ELECTRICAL SYSTEM

Type	12V Single battery, Negative earth
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CAPACITIES

Fuel Tank	45 ltrs.
Hydraulic Tank	65 ltrs.



OVERALL DIMENSIONS

Length	10970 mm
Width	2550 mm
Height	3100 mm



OPERATING WEIGHT (KG)

10800 kg



BOOM

Telescoping	3 parts hydraulically powered & fully synchronized
Derricking	Through double acting jacks



TYRES

Front	10.00 X 20 -16 PR (4 nos.), inflation pressure 110 — 115 PSI
Rear	13.00 X 24 -12 PR (2 nos.), inflation pressure 35 PSI. Water ballasted



SAFETY SYSTEM

- Overload audio warning system
- Safety brakes on hoist
- Cylinder guard for protection
- Rope compensation for auto leveling
- Counter balance protection valve in the lift line against hose burst
- Visual warning against parking brakes ON



STANDARD ACCESSORIES

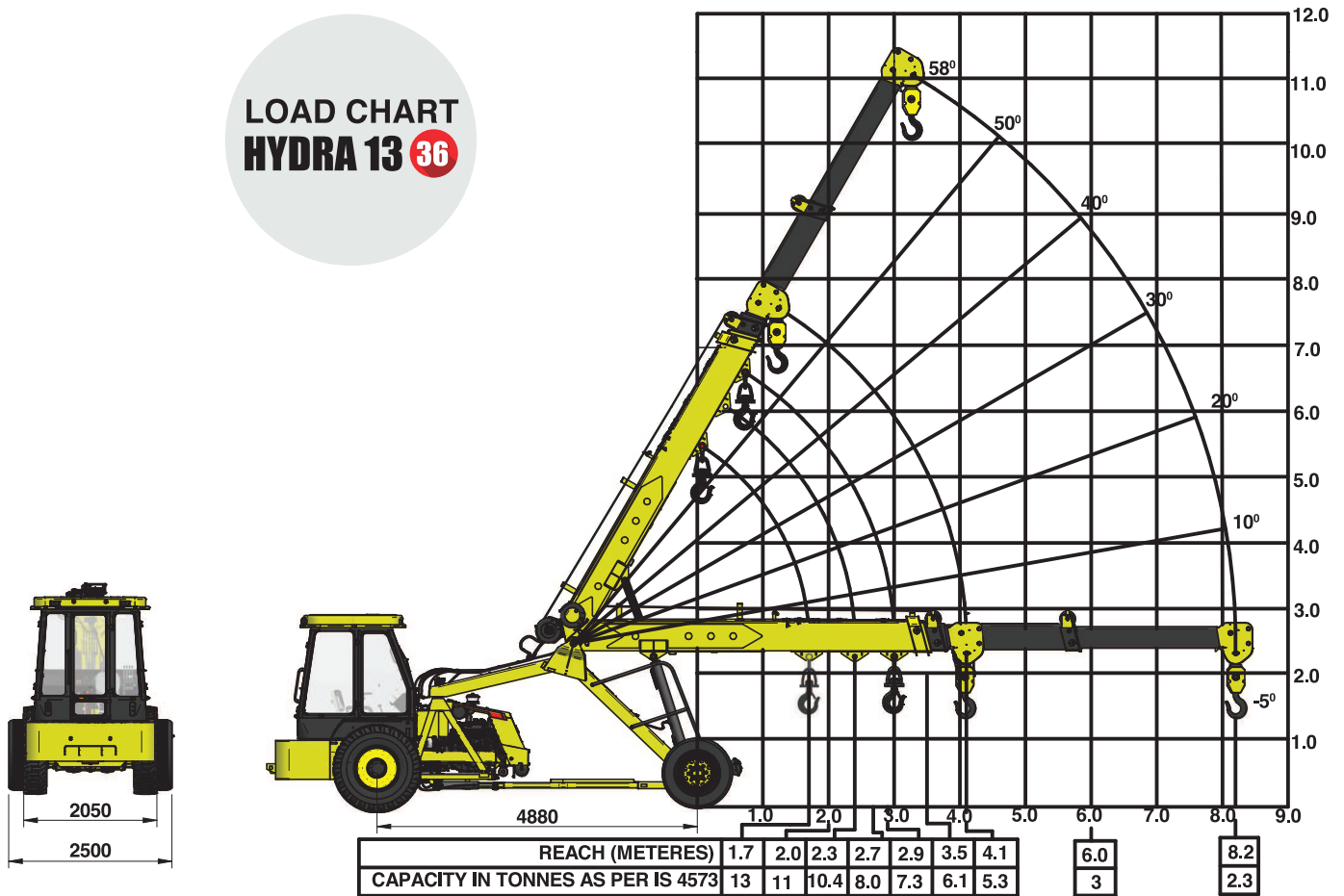
- All Weather Cabin
- Lift Cylinder Guard
- Turn & Reverse Lamp
- Front Bumper
- Rear View Mirror
- Reflectors



OPTIONAL ACCESSORIES

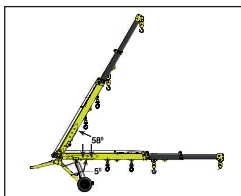
- Fly Jib
- Tool Box
- Spark Arrestor
- Tyre Guard
- Steering Wheel
- Fire Extinguisher
- Safe Load Indicator (SLI)
- Heavy Duty Bumper
- 14 x 24 Heavy Duty Tyres
- Air Brakes on Front Wheel
- Over Hoist & Hydraulic Cutoff Kit

LOAD CHART HYDRA 13 **36**



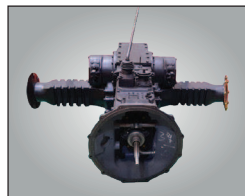
Rated loads are calculated for operation on leveled surface.

FEATURES



LUFFING RANGE

Boom Luffing Range -5° to 58°



TRANSMISSION

Heavy duty straight axle with constant mesh transmission.



CABIN

Ergonomically designed spacious cabin with modern dashboard for utmost operator comfort and operation.



REAR BRAKES

Disc brakes at the rear for effective braking.



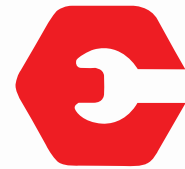
INCREASED STABILITY

At fully articulated condition. Wider lift cylinders' span (400 mm).

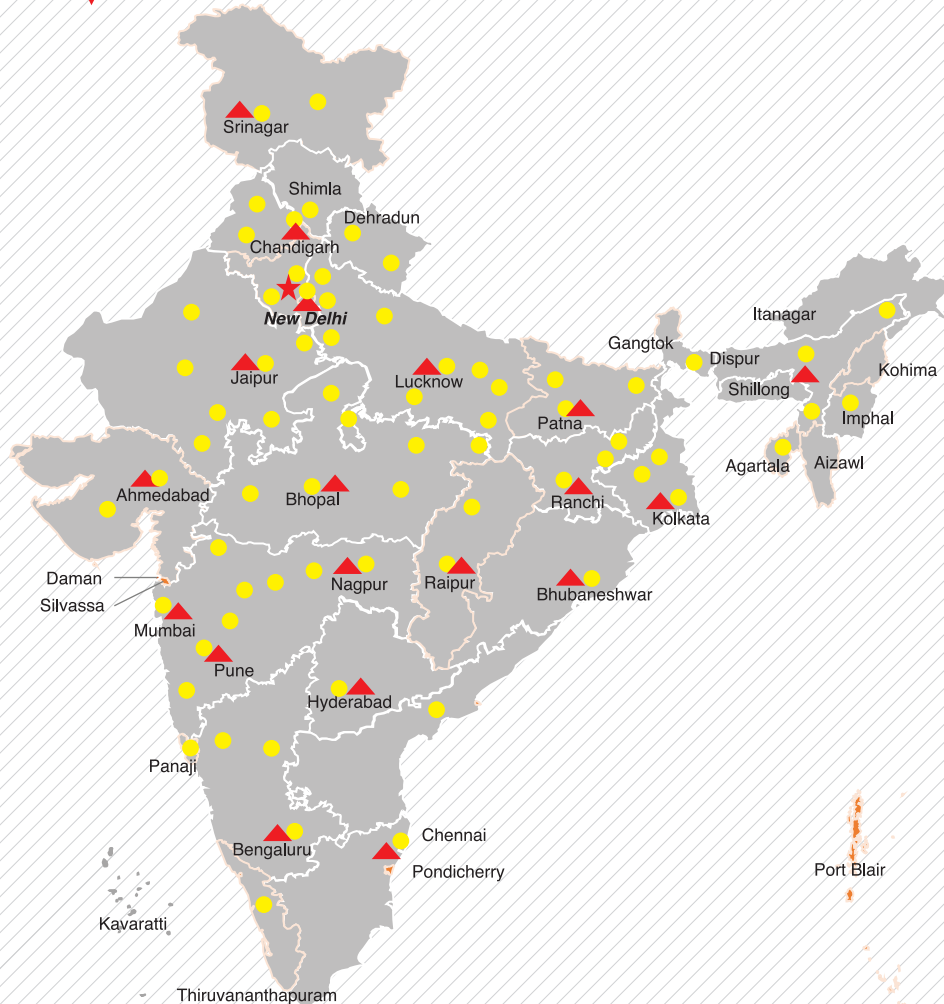


ENGINE

Escorts engine BS-III (CEV compliant) high on power /torque & low on fuel consumption & maintenance.



OUR REACH



★ Head Office | ▲ 17 Business Center | ● 73 Dealers & 250+ branches | ■ PAN INDIA - 825+ Network to support as Service and Spares



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