

HYDRA 12 HD

SPECIFICATIONS

RATED CAPACITY

- 12T @1.9m radius
- 2.5T @8.4m radius

ENGINE

- Escorts AE4.312-3A Four Cylinder, water cooled Diesel Engine, developing 49.5 HP @ 2200 RPM or equivalent

TRANSMISSION

- **Drive-** 2 Wheel Drive
- **Type-** Heavy duty transmission developed specially for crane application. Constant Mesh gearbox coupled with straight drive axle. 08 forward and 02 reverse speeds with High/ Low selector lever
- **Max. Speed-** 29 km/hr (unladen)
- **Creep Speed-** 1.9 km/hr - ideally suited for crane operations (with load)
- **Clutch-** Single plate, heavy duty type

STEERING

- **Type-** Articulated power steering, hydraulically controlled through two doubling acting jacks
- **Articulation-** up to 55°
- **Turning radius-** 6.5 m

HOIST MECHANISM

- **Hoist-** Hydraulic Winch. Four falls. Rope dia 13 mm

BRAKES

- **Front Wheel-** Pneumatic assisted hydraulic brakes.
- **Rear Wheel-** Disc brakes actuated through a slave cylinder.
- **Parking-** Hand operated mechanically actuated at rear wheels.

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

CAPACITIES

- **Fuel Tank:** 45 litre
- **Hydraulic Tank:** 65 litre

OVERALL DIMENSIONS

- **Length-** 10600 mm
- **Width-** 2500 mm
- **Height-** 3100 mm

OPERATION WEIGHT

- 10600 kg

BOOM

- **Telescoping-** Heavy duty, 3 part box type hydraulically operated
- **Derricking-** Through double acting Jacks

TYRES

- **Front-** 11.00x20-16PR (4 Nos.), inflation pressure 110-115 PSI
- **Rear-** 13.00x24-12PR (2 Nos.), inflation pressure 35 PSI (Water Ballasted)

TRACK

- **Front-** 1930 mm
- **Rear-** 1680 mm

SAFETY DEVICES

- New Overload audio warning system
- Safety brake on hoist
- Cylinder guard for protection
- Counter balance protection valve in the lift line against hose burst
- Visual warning against parking brakes on

UNDER THE STANDARD ACCESSORIES

- All weather cabin
- Front Bumper
- Reflectors
- Lift cylinder guard
- Rear view mirror
- Turn & Reverse lamp

OPTIONAL ACCESSORIES

- Fly jib
- Steering Wheel
- Fire extinguisher
- Safe load indicator
- Over Hoist & hydraulic cut off kit
- Spark Arrestor
- Air Brakes on Front Wheels
- Air Conditioned cabin
- 14X24 Heavy Duty Tyres
- Extra hooks