

HYDRA 14

Specifications



RATED CAPACITY	14T @ 1.6m radius 1.2T @ 12.4m radius
ENGINE	Make & Model Escorts AE 4.312C-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 especially for crane application. Constant Mesh gearbox coupled with straight drive axle. Eight forward and Two reverse speeds with High / Low selector lever. Creep Speed 1.9 km/hr, ideal for crane operation Max. Speed 29 km/hr (unladen) Clutch Single plate, heavy duty type
STEERING	Type Articulated power steering, hydraulically controlled through 2 double acting jacks. Articulation Up to 56 degree Turning Radius 6.5m
BRAKES	Front Wheel Pneumatic assisted hydraulic brakes. Rear Wheel Disc brakes actuated through a slave cylinder. Parking Hand operated mechanically actuated at rear wheels.
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
BOOM	Telescoping 4 part, 3part hydraulically powered & fully synchronized, 4th part power extended & manually pinned. Type Slotted boom with rope compensation. Derricking Through double acting Jacks.

HOIST MECHANISM	Hoist Hydraulic Winch. Six falls (winch capacity 12T) Rope dia 13 mm
HYDRAULIC SYSTEM	Pump Vane type Hydraulic Pump Control Valve 4 spool control valve with built inpressure 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 Ltrs. Hydraulic Tank 65 Ltrs.
OPERATING WEIGHT (KG)	Gross Vehicle Weight 11100 Kg Length 11700 mm Width 2550 mm Height 3250 mm
OVERALL DIMENSIONS	
SAFETY SYSTEM	Rope compensation for auto leveling Overload audio warning system Hose protection failure device Safety Brakes on Hoist Cylinder guard for protection
STANDARD ACCESSORIES	All weather cabin Front bumper Reflectors Lift cylinder guard Rear view mirror Turn & reverse lamp
OPTIONAL ACCESSORIES	Fly Jib Fire Extinguisher Spark Arrestor Air Condition Cabin Steering Wheel Safe Load Indicator Over Hoist & Overload Cutoff Heavy Duty Tyres on Rear Wheels



Engine

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



Transmission

Constant Mesh Transmission coupled with direct axle with 8F & 2R with better gear life and speed options. Can achieve top speed of 29 kmph and a creep speed of 1.9 kmph at rated rpm.



Cabin

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



Rear Brakes

Disc Brakes in the rear for effective braking



Slotted Boom & Rope

Compensation for precision handling & auto levelling of loads.



Hydraulic Winch of 12T

Capacity with 6 fall snatch block for precision handling & low maintenance.



Vertical Height

Attained 15m with 3 part hydraulic +1 part power assist boom.