

## SPECIFICATIONS

### **RATED CAPACITY**

12 Tonne at	1.9 m radius
2.5 Tonne at	8.4 m 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. ideally suited for crane operation (with load)
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 55°
Turning Radius	6.5 m (approx.)

### **HOIST MECHANISM**

Hoist	Hydraulic winch. Four falls. Rope dia 13 mm
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### **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
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## CAPACITIES

Fuel Tank	45 ltrs
Hydraulic Tank	65 ltrs

## OVERALL DIMENSIONS

Length	11000 mm
Width	2550 mm
Height	3100 mm

## OPERATING WEIGHT (KG)

10555 kg

## BOOM

Telescoping	Heavy duty, 3 parts box type hydraulically operated
Derricking	Through double acting jacks

## TYRES

Front	11.00 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

## TRACK

Front	1930 mm
Rear	1680 mm

## SAFETY DEVICES

Overload audio warning system  
Safety brakes on hoist  
Cylinder guard for protection  
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  
Over Hoist System

## OPTIONAL ACCESSORIES

Fly Jib  
Tool Box  
Spark Arrestor  
Tyre Mud 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

