

HYDRA 15



15T capacity

42 feet boom

Low operational cost

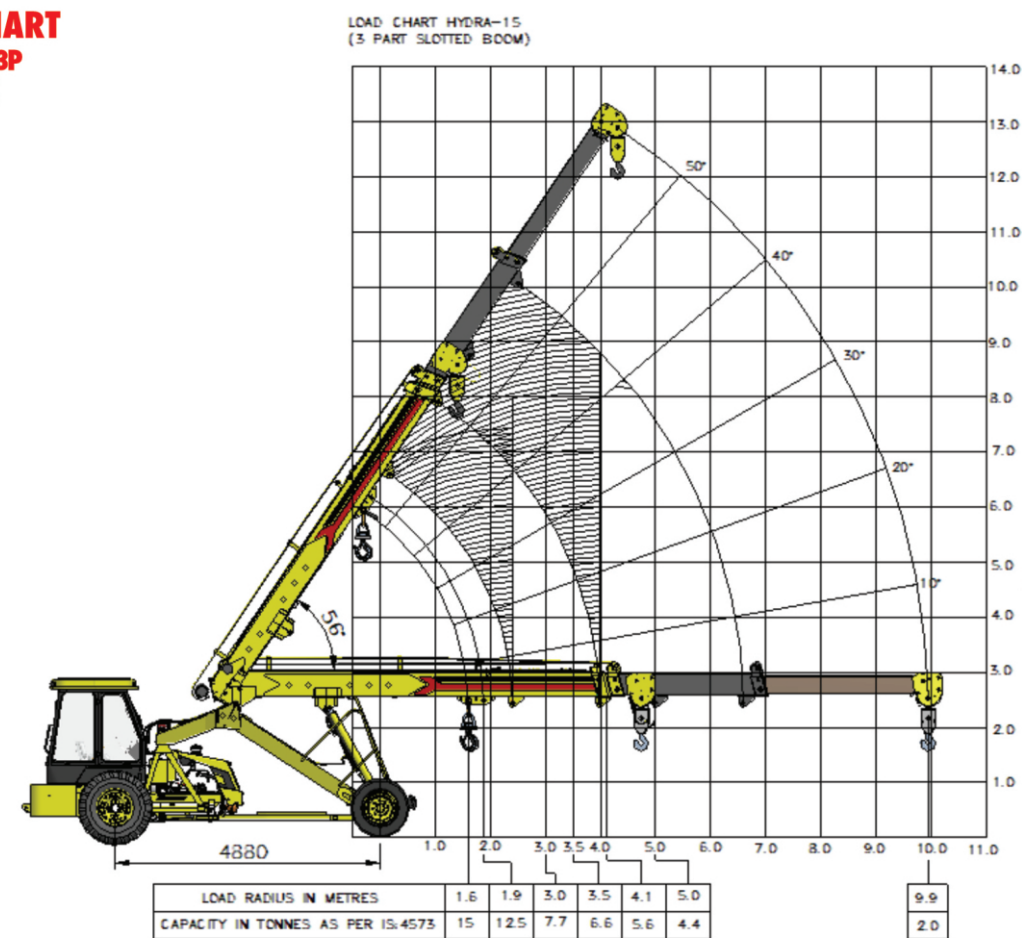
500 hrs. service interval

Heavy duty backend

High pickup



LOAD CHART HYDRA 15 3P (42' BOOM)



Rated loads are calculated for operation on leveled surface.

The information contained in this leaflet is intended to be of general nature only. We reserve the right to change specifications without notice. All dimensions and weight are variable within +/- 5%.



ESCORTS
CONSTRUCTION EQUIPMENT

Escorts Construction Equipment: Plot No.- 219, Sector-58, Ballabhgarh-121 004
Distt.- Faridabad, Haryana (INDIA) T.: 0129- 2306574/2306598/2306571 F.: 0129- 2306572
E.: ece.marketing@escorts.co.in W.: www.escortsgroup.com

Toll Free No.- 1800- 180- 4488
(Timings: 9.30 am - 5.00 pm, Monday to Friday)

Accessories as shown in the picture may not be the part of standard fitment and are subject to change without prior notice.

Hub/Feb 2018

HYDRA 15 3P (42' BOOM)

SPECIFICATIONS

RATED CAPACITY

15 T @ 1.6 m radius
2.0 T @ 9.9 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, 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

Upto 56°

Turning Radius

6.5 m

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

11.00 x 20-16PR (4 Nos.), inflation pressure 110-115 PSI

Rear

13.00 x 24-12PR (2 Nos.), inflation pressure 35 PSI Water ballasted

TRACK

Front

1930 mm

Rear

1680 mm

HOIST MECHANISM

Hoist

Hydraulic Winch

Six falls (winch capacity 12T)

Rope dia 13 mm

ELECTRICAL SYSTEM

Type

12V Single battery, Negative earth

CAPACITIES

Fuel Tank

45 Ltrs.

Hydraulic Tank

65 Ltrs.

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

BOOM

Telescoping

3 part hydraulically powered & fully synchronized

Type

Slotted boom with rope compensation

Derricking

Through double acting Jacks

OPERATING WEIGHT (KG)

Gross Vehicle Weight

11400 Kg

OVERALL DIMENSIONS

Length

11500 mm

Height

3100 mm

Width

2550 mm

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
- Lift cylinder guard
- Turn & reverse lamp
- Front bumper
- Rear view mirror
- Reflectors

OPTIONAL ACCESSORIES

- Fly jib
- Air brakes on front wheel
- Safe load indicator
- Fire extinguisher
- Steering wheel
- Spark arrestor
- Over hoist & Overload cutoff
- 14 x 24 Heavy duty tyres



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FEATURES

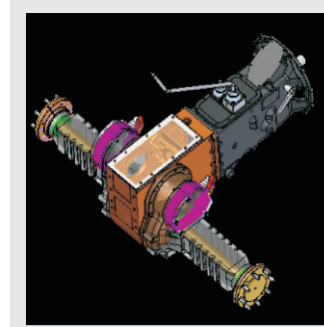
ENGINE

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



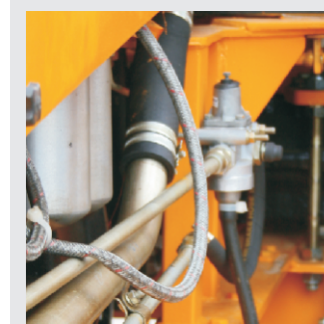
TRANSMISSION

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.



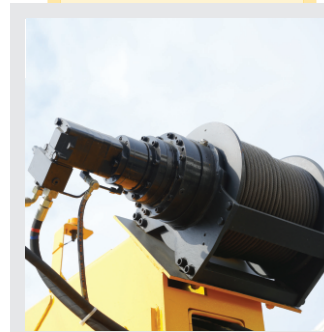
REAR BRAKES

Disc Brakes in the rear for effective braking.



HYDRAULIC WINCH OF 12T

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



CABIN

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



SLOTTED BOOM & ROPE

Compensation for precision handling & auto leveling of loads.



VERTICAL HEIGHT

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

17 meter with Flyjib (optional).

