

# HP 216



## Specifications

HP 216

### ENGINE

Tata 497TC, 4 Cylinder  
Water Cooled Diesel Engine  
Rated power for crane 90 BHP @ 2800 RPM  
or equivalent engine.

### TRANSMISSION

- Type Synchromesh transmission  
5 forward, 1 reverse speed
- Speed Travel Speed 45 Km/h with out load
- Clutch Hydraulic clutch especially designed  
for crane application

### STEERING

- Type Articulated power steering, through steering wheel
- Articulation 45 degree
- Turning Radius 5900 mm

### OPERATIONAL TIMINGS

(no load at rated engine RPM)

- Boom raising 18-21 secs
- Boom Lowering 13-15 secs
- Telescopic Extension
  - In 11-14 secs
  - Out 16-20 secs
- Hoist Line Speed 70-80 m/min, on 4th layer

### BRAKES

- Front Wheel Pneumatically assisted hydraulic brakes
- Rear Wheel Air brakes
- Parking spring loaded brake, air released

### TRACK

- Front 1840 mm (center of twin wheels)
- Rear 1910 mm (center of wheels)

### TYRES

- Front 11.00x20-16PR(Four Nos.)
- Rear 14.00x25-20PR(Two Nos.)

**AISLE WIDTH** 2440 mm

### BOOM

- Telescoping 4 part Boom, Hydraulically telescopic  
synchronised
- Derricking Through two nos. cylinders

### HOIST MECHANISM

- Hoist 5 falls, Hydraulic winch, with over hoist  
switch block with 11.5 m hook travel,  
safety brake on hoist, Rope dia 13 mm

### HYDRAULIC SYSTEM

- Pump Steel body high speed gear type  
hydraulic pump
- Control Valve 4 spool control valve with built  
in pressure relief valve for trouble  
free operation
- 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 120 Ltrs.
- Hydraulic Tank 120Ltrs.

**OPERATING WEIGHT** 13500 Kgs.

### STANDARD ACCESSORIES

- Front mounted all weather spacious cabin
- Tools and tackle box
- Front Bumper
- Option spool for drag operation
- Cabin fan
- Reflectors
- Rear view mirror
- Turn & Reverse lamp

### OPTIONAL ACCESSORIES

- Safe load system
- Fly Jib - 2.3 m
- Fire Extinguisher
- Stereo cassette player
- Air Conditioned cabin
- Fire Extinguisher
- Spark Arrester
- Man carrying basket
- Beacon Light
- Drag winch with outriggers

### SAFETY SYSTEM

- Safety brakes on hoist
- Hose protection failure device
- Hydraulic out off with safe load system

