AT22
Pick and Carry Crane

Maximum Capacity: 22t
Maximum Boom Length: 17.9m
Maximum Hook Height: 17m
OVERVIEW

The AT 22 is a mid-sized, mobile pick and carry crane with a maximum lifting capacity of 22 tonne (24 USt). Boasting maximum safety features and superior capabilities than that of other pick and carry cranes in the field, the AT 22 is a logical choice for customers who cover a wide range of applications.

KEY FEATURES AND BENEFITS:

- 22 tonne at 1.4m radius
- 1.7 tonne at 15.8m radius
- 17m maximum hook height
- 16.8 tonne capacity on 4 part hook block
- Single line pull 4.2 tonne
- Dynamic LMI (Patent Protected)
- Wide stance boom lift cylinders enhance operator’s vision.
- Easy access to all key maintenance points
- Modern cabin design ensures maximum comfort for the operator
## TECHNICAL DESCRIPTION

### 01. Boom
- Maximum boom length: 17.9m
- Maximum hook height: 17m
- Boom elevation angle range: 
  -6° / 60°
- Maximum hook height with jib: 20m
- Articulation: 40° R / 40° L
- Machinery hook (rhino): 10 tonne

### 02. Winch
- Maximum line pull: 4.2 tonne
- Two speed winch: 38m/min 76m/min
- Hook block (4 part): 16.8 tonne maximum rated capacity

### 03. Engine & Transmission
- Standard engine: Mercedes OM 906
- Engine power: 205kW
- Engine torque: 1100 Nm
- Fuel Type: Diesel
- Fuel Capacity: 440 litre
- Transmission: Allison 6 speed
- Transfer case: ZF 2:1 Ratio

### 04. Hydraulic System
- Axial piston pump: 62cc/rev
- Maximum pump flow rate: 130 litre/min
- Maximum working pressure: 250 bar
- Hydraulic tank capacity: 200 litre

### 05. Chassis
- Front Axle: 8,000 kg
- Rear Axle: 12,000kg
- Axle total: 20,000 kg
- Turning circle: 7.4m

### 06. Brakes & Suspension
- Brake System: Air operated drum brakes
- Suspension: Two semi elliptic springs on front and rear axle plus torsion bar on front axle for stability

### 07. Vehicle Performance
- Maximum rated travel speed: 80 km/h
- Gradeability: 50%
NOTE: Rated Capacity values shown are for the Pick and Carry Chart.
## LOAD CHART

### RATED CAPACITY CHART - FALL BLOCK

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<tr>
<th>RAD (m)</th>
<th>BOOM LENGTH (m)</th>
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**KEY:**
- RC (kg) AT 0 DEG ARTICULATION
- RC (kg) AT FULL ARTICULATION

8 BOOM ANGLE
(3.57) RADIUS AT ZERO BOOM ANGLE

"Weight of slings & hook block to be added to load"

Read and understand warning notes before operating crane"
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Published and Printed in November 2019.

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