



الواسط للمعدات
ALWASIT
MACHINERY

Engine ISM420 30 Cummins 420HP

Type:	Four-stroke, water-cooled, in-line, dry-liner , direct-injection,
Max. Power:	306 kW/1900rpm
Max. Torque:	2010N.m/1200r/min
No. of cylinder:	6
Bore x Stroke:	125*147
Displacement:	10.8
Controller type	Electronic
Air cleaner	Dry paper element
Fuel pump:	Bosch

Transmission

Model: ZF16S-1950

Type: Mechanical (synchronizer)

Tires: 12.00R24

1st (L/H) 15.387/13.054

2nd 10.574/8.999

3rd 6.957/5.920

4th 4.583/3.900

5th 3.357/2.857

6th 2.307/1.963

7th 1.518/1.292

8th 1.000/0.851

spread 18.081

Reverse 12.440/10.587

Wheels & Tires



Dimensions (mm)

Overall dimension	6200X2500X3930
Kerb mass	8,000kg
Number of axle	2
Tread (mm)	2,065/1,860
Wheelbase (mm)	3,400
Min.ground clearance (mm)	255
Crew	3

Payload

Axle load:	Front: 7,500kg Rear: 13,000kg
GCW:	39000K

Electrical System

Batteries:	2*12 Volt - 150 AH*2
Alternator:	24 Volt/70A
Starter:	24 Volt/7.80kw

Calculated Performance

Max. Speed (km/h):	110
Max. Grade ability (%):	30
Min. turning radius (m):	7

Frame (mm)

Type:	Parallel, tapered channel section type with Reinforcements, stiffeners and cross members
Width (front/rear):	940 and 850
Height (front/rear):	180 and 316
Length:	5,570

Remarks

Includes A/C, 2' THE FIFTH AXLE-JOST PLATFORM (high roof)

Axles

Front: Stub axle with double T-cross section, Capacity: 7,500KG
Rear: Single reduction with hub reduction and final drive ratio: 4.8, Capacity: 13,000KG

Brake system

Service: .Full Air Brake, Dual circuit
Parking: Spring actuator at rear wheels
Auxiliary:exhaust brake

Fuel Tank

Mounted on offside of the frame
Capacity: 500L
Material: galvanized steel

Steering

Driving position: left hand drive
Type: recirculation ball with integral power assisted by oil

Suspension

Front suspension: tapered leaf spring 9 semi-elliptic leaf spring
Rear suspension: tapered leaf spring 12 semi-elliptic leaf spring

Clutch

Type: Hydraulic control with air assisted
Plate diameter: dry single plate with diaphragm