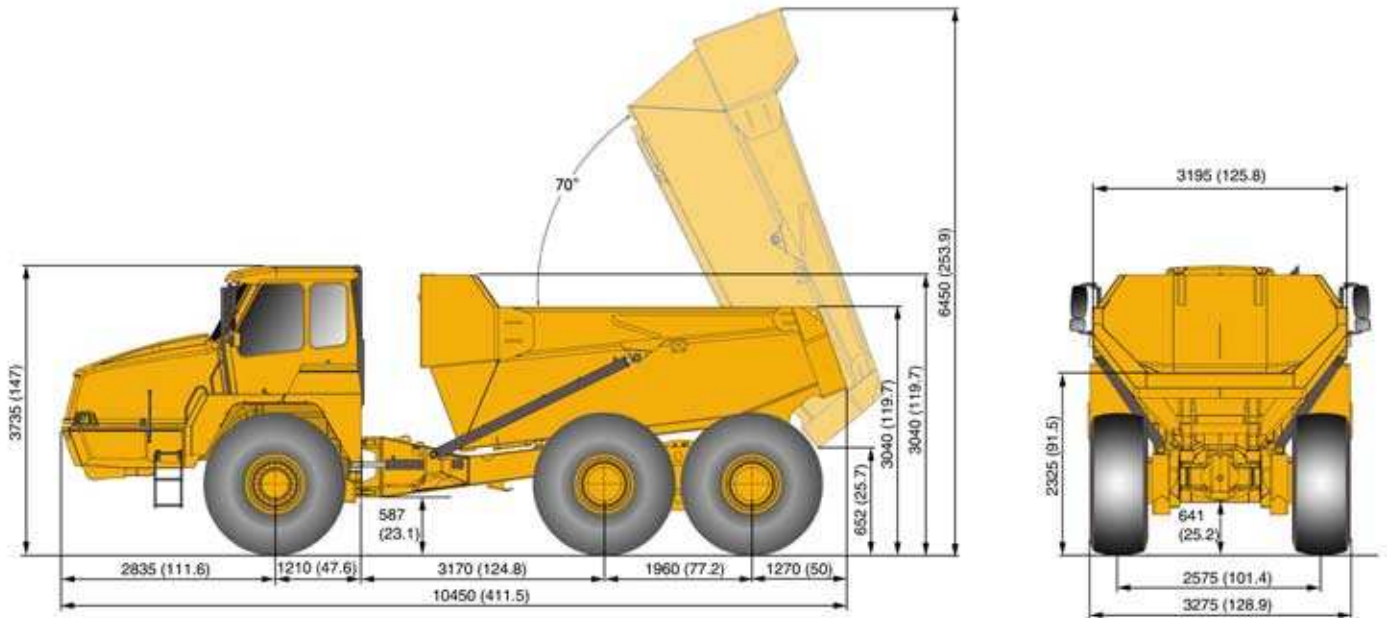


MOXY ADT RANGE



MT36



millimetres (inches)

BODY

- Material: Hardened abrasion-resistant steel plates
- Tilt cylinders: Single stage, double-acting
- Tipping time: Up: 12 sec. / Down 11 sec.
- The body is designed for exhaust heating
- Sloping body down from the hinge point

| | Cubic Yards | Cubic Metres |
|--|-------------|--------------|
| • Level capacity : | 21 | 16 |
| • Heaped capacity : (Acc. SAE J 1363, 2:1) | 27 | 21 |
| • Heaped capacity : (Acc. SAE J 1363, 1:1) | 34 | 26 |

WEIGHTS

| | LB | KG |
|-----------------------|---------|--------|
| Empty: | | |
| Front axle | 29,480 | 13,400 |
| Rear axle | 29,260 | 13,300 |
| Loaded: | | |
| Front axle | 42,900 | 19,500 |
| Rear axle | 87,780 | 39,900 |
| Pay load | 71,940 | 32,700 |
| Total weight (loaded) | 130,680 | 59,400 |

NOTE: All weights include a full fuel tank and operator

GROUND PRESSURES

| | | |
|---|------|-----|
| Standard 26.5 x 25 tyres with 15% sinkage | Bar | kPa |
| Empty: | | |
| Front axle | 1.08 | 108 |
| Rear axle | 0.62 | 62 |
| Loaded: | | |
| Front axle | 1.6 | 160 |
| Rear axle | 1.7 | 170 |

CAPACITIES

| | GALLONS | LITRES |
|-------------------------|---------|---------|
| • Fuel Tank | 112.2 | 425 |
| • Hydraulic System | 66.0 | 250 |
| • Engine Cooling System | 13.2 | 50 |
| • Transmission | 14.5 | 55 |
| • Dropbox | 9.0 | 34 |
| • Engine Crankcase | 3.5 | 13.2 |
| • Front Reduction Gear | 2 X 2 | 2 X 7.5 |
| • Rear Differential | 12.1 | 46 |
| • Tandem Housing | 2 X 40 | 2 X 150 |

SPEEDS

| | MPH | KMH |
|-----|-----|-----|
| 1st | 4 | 6 |
| 2nd | 6 | 9 |
| 3rd | 9 | 14 |
| 4th | 14 | 22 |
| 5th | 20 | 32 |
| 6th | 32 | 51 |

ENGINE

Scania DC 12, water-cooled, unit injected diesel engine with turbo charger and air to air intercooler

- Complies with Stage 3 of EU Directive 97/68/-EC and Tier 3 of USA/California regulations (ISO 8178) for emissions
- Power rating: (1kW = hp/1.36)

(ISO 3046) 400 hp (294 kW)
(ISO 9249) 388 hp (285 kW)

- No. of cylinders: 6 (in line)
- Cylinder volume: 714 cubic inches (11.7 litres)
- Air filter: Dry type

TRANSMISSION

ZF 6 WG 310 Dash 4 electronically-controlled automatic transmission the torque converter has automatic lock-up in all gears

BRAKE SYSTEM

- Dual circuit braking system acting on all six wheels
- Approved according to ISO 3450
- All hydraulic operated brakes with enclosed oil-cooled wet multiple discs all round
- Spring actuated hydraulic released parking brake, mounted on propeller shaft
- Max. gradient, parking brake: 20
- Automatic engine brake as standard
- Automatic transmission retarder as standard

HYDRAULIC SYSTEM

- 2 variable displacement piston pumps :
for steering & tipping -
for cooling, fan, brakes & auxiliaries
- Delivery: 320 l/min @ 2200 rpm
- Filtration: One return flow filter & high pressure filter
- Pressure-setting, main safety valves:
- Tipping Circuit: 280 bar
- Steering Circuit: 210 bar

ELECTRICAL SYSTEM

- Alternator: 28V 100A
- Batteries: (two): 12V 225Ah
(series connected to give 24V)
- Starter: 9 HP (6.7 kW)

SUSPENSION

- Front: Independent with long life rubber springs and hydraulic shock absorbers
- Rear: Free-swinging tandem housing

ARTICULATION HINGE AND STEERING

- Articulation hinge with forward mounted turning ring
- Steering cylinders (two): Double-acting
- The steering is approved according to ISO 5010
- Max. steering angle: 45°
- Ground driven emergency steering pump

DRIVE LINE

- Full-time 6 x 6 drive with two transverse differentials and one longitudinal
- Front axle transverse differential: Limited-slip with 45% locking ratio
- Rear axle transverse differential: Limited slip with 45% locking ratio
- Inter-axle longitudinal differential: Torque-proportioning differential, integrated into Dropbox

Torque distribution:

- 1/3 to the front axle
- 2/3 to the rear axle
- 100% lockable
- Tandem housing: Gear driven, free-swinging.
- Provides equal drive to rear wheels and ensures the best possible ground contact – whatever the ground conditions

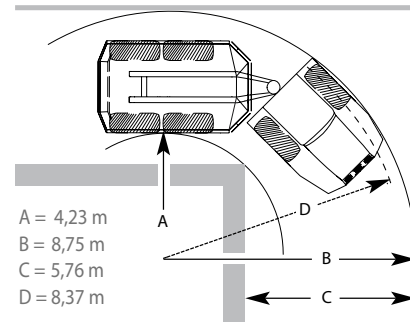
CAB

- Approved to ROPS/FOPS standards (ISO 3471, ISO 3449, SAE J231 and SAE J1040 April '88)
- Low interior sound level 74 dB(A) (ISO 6394)
- The cab is centrally located on rubber mountings
- Hand and arm vibrations are less than 2,5 m/s according to ISO 5349-2
- Whole body vibration is less than 0,5 m/s according to ISO 2631-1
- Superior visibility – for safer operation
- Superior operating controls location
- Adjustable suspended operator seat
- Adjustable steering column
- Heater and Air Conditioning
- Tilting for service access

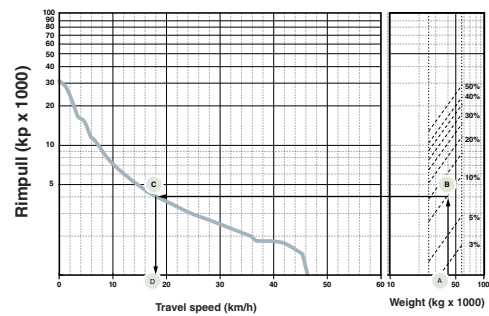
TIRES

- Standard 26,5 R25 two star radial

Turning radius according to ISO 7457: 27.5 feet (8,37 m)



PERFORMANCE DIAGRAM



Moxy operates a policy of continuous development and improvement and as such all specifications are subject to change at any time without prior notice



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