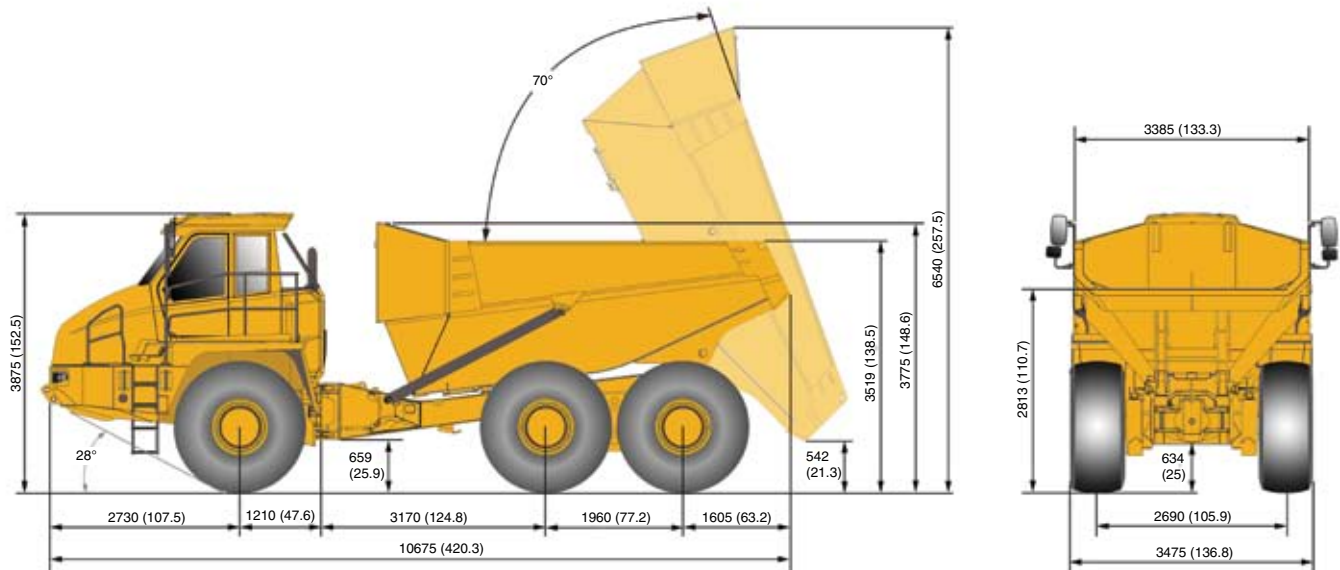


MOXY ADT RANGE



MT5 I



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 : | 30 | 23 |
| • Heaped capacity : (Acc. SAE J 1363, 2:1) | 38 | 29 |
| • Heaped capacity : (Acc. SAE J 1363, 1:1) | 46 | 35 |

WEIGHTS

| | LB | KG |
|-----------------------|---------|--------|
| Empty: Front axle | 35,860 | 16,300 |
| Rear axle | 33,000 | 15,000 |
| Loaded: Front axle | 49,082 | 22,310 |
| Rear axle | 121,704 | 55,320 |
| Pay load | 101,926 | 46,270 |
| Total weight (loaded) | 170,786 | 77,630 |

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 | 1.02 | 102 |
| Rear axle | 0.48 | 48 |
| Loaded: Front axle | 1.42 | 142 |
| Rear axle | 1.76 | 176 |

CAPACITIES

| | GALLONS | LITRES |
|-------------------------|---------|---------|
| • Fuel Tank | 158.5 | 600 |
| • Hydraulic System | 66.0 | 250 |
| • Engine Cooling System | 19.8 | 75 |
| • Transmission | 11.9 | 45 |
| • Dropbox | 3.2 | 12 |
| • Engine Crankcase | 11.9 | 45 |
| • Front Reduction Gear | 2 x 2 | 2 x 7.5 |
| • Rear Differential | 14.8 | 56 |
| • Tandem Housing | 2 x 40 | 2 x 150 |

SPEEDS

| | MPH | KMH |
|-----|-----|-----|
| 1st | 5 | 8 |
| 2nd | 10 | 16 |
| 3rd | 14 | 23 |
| 4th | 22 | 36 |
| 5th | 29 | 47 |
| 6th | 33 | 54 |

ENGINE

- Cummins QSX15 water-cooled diesel engine with multi-positioned waste gated turbo charger and air to air intercooler
- Complies with U.S. EPA Tier 3, CARB Tier 3, EU Stage 111A (ISO 8178) for emissions
- Power rating: (1kW = hp/1.36)

(ISO 3046) 510 hp (375 kW)
(ISO 9249) 508 hp (374 kW)

- No. of cylinders: 6 (in line)
- Cylinder volume: 915 cubic inches (15 litres)
- Air filter: Dry type

TRANSMISSION

- Allison 4600 ORS automatic transmission with lock up in all gears
- Remote propshaft driven two speed dropbox

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

- Pumps: Engine mounted 3 load sensing piston pumps & 2 gear pumps for tipping, steering, brake charging, cooling fan & auxiliaries
- Delivery: 326 l/min @ 2000 rpm
- Filtration: One return flow filter
- Pressure-setting, main safety valves
- Tipping Circuit: 280 bar
- Steering Circuit: 210 bar

ELECTRICAL SYSTEM

- Alternator: 24V 70A
- Batteries: (two): 12V 225Ah (series connected to give 24V)
- Starter: 12 HP (9.0 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

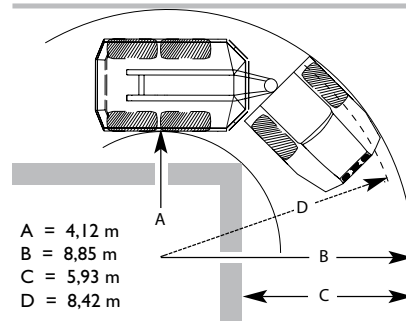
CAB

- 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

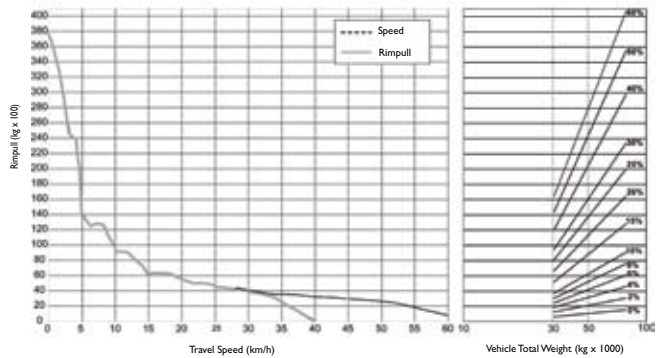
TIRES

- Standard 29,5 R25 two star radial

Turning radius according to ISO 7457: 27.6 feet (8,42 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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