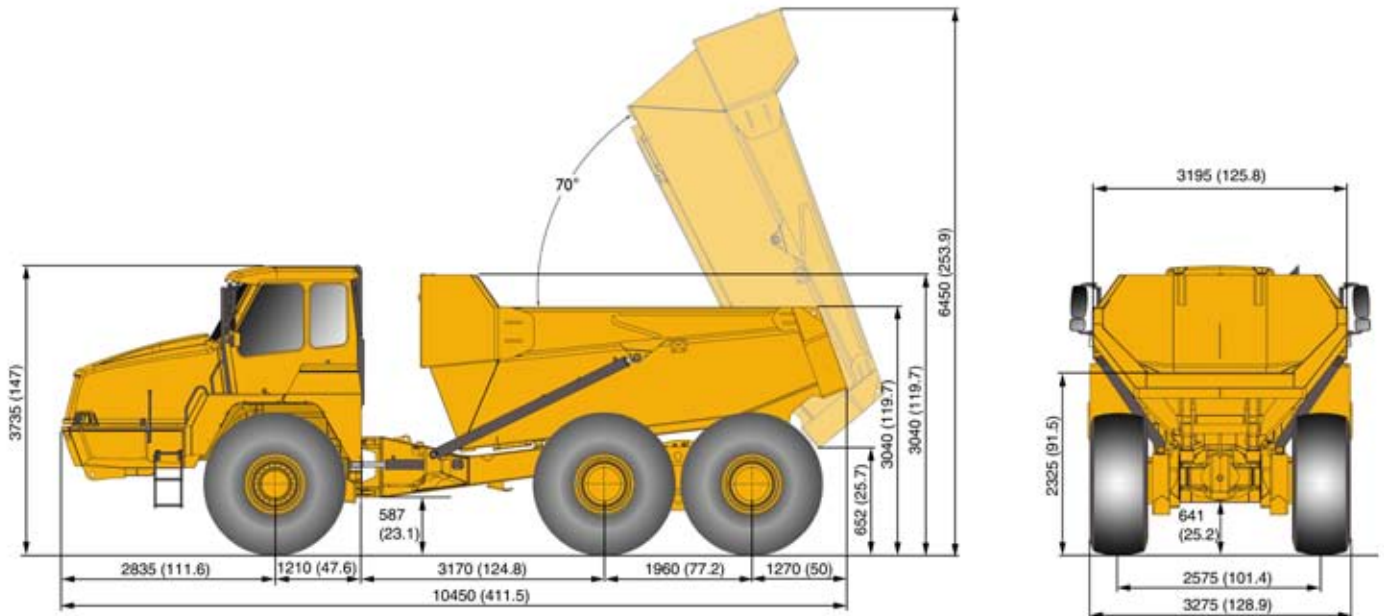


MOXY ADT RANGE



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

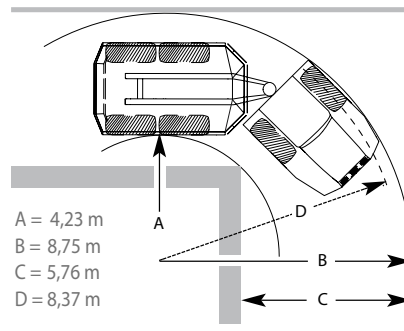
CAB

- 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

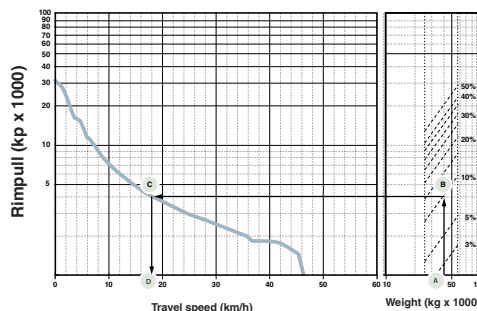
TIRES

- Standard 26,5 R25 two star radial

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



PERFORMANCE DIAGRAM



Moxy Engineering AS
N-6440 Elnesvågen, Norway
Tel.: +47 71 26 85 00
Fax.: +47 71 26 85 55
moxy@moxy.no
www.moxy.no

Moxy Trucks of America, LLC
One Kovach Drive
Cincinnati, Ohio 45215
Tel.: +513 821 2000
Fax.: +513 587 3000
Free.: +800 423 5923

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