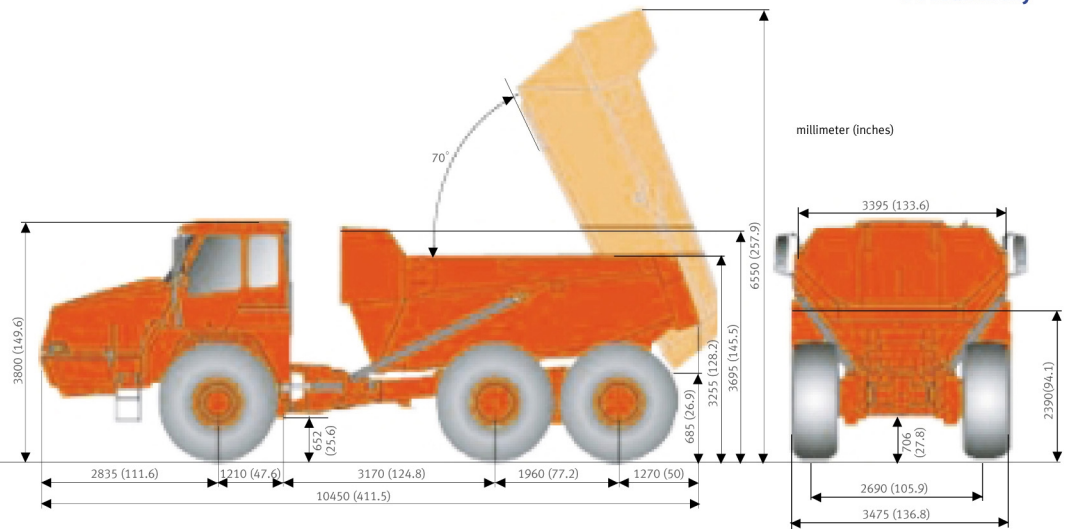


# MT 41



### 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 Meters
• Level capacity :	24	18.6
• Heaped capacity : (Acc. SAE J 1363, 2:1)	31	24.1
• Heaped capacity : (Acc. SAE J 1363, 1:1)	38	29

### WEIGHTS

	LB	KG
Empty:		
Front axle	28,380	12,900
Rear axle	36,630	16,650
Loaded:		
Front axle	42,460	19,300
Rear axle	106,150	48,250
Pay load	83,600	38,000
Total weight (loaded)	148,610	67,550

NOTE: All weights include a full fuel tank and operator

### GROUND PRESSURES

	PSI	kPa
Standard 29.5 x 25 tires with 15% sinkage		
Empty:		
Front axle	12.76	88
Rear axle	6.96	48
Loaded:		
Front axle	18.85	130
Rear axle	22.05	152

### CAPACITIES

	U.S. GALLONS	LITERS
• Fuel Tank	129	490
• Hydraulic System	73	275
• Engine Cooling System	13	50
• Transmission	14.5	55
• Dropbox	9	34
• Engine Crankcase	3.5	13.2
• Front Reduction Gear	2 x 2	2 x 7.5
• Rear Differential	12	46
• Tandem Housing	2 x 40	2 x 150

	MPH	KMH
SPEEDS		
1st	4	6
2nd	6	9
3rd	9	15
4th	14	23
5th	21	34
6th	33	53

### 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 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

### 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: (1.36 hp = 1 kW)
  - (ISO 3046) 450 hp (331 kW)
  - (ISO 9249) 438 hp (322 kW)
- No. of cylinders: 6 (in line)
- Cylinder volume: 714 cubic inches (11.7 liters)
- 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

- Pumps: 2 variable displacement piston pumps :
  - 1for steering & tipping -
  - 1for cooling, fan, brakes & auxiliaries
- Max Capacity : 84.5 gallon/min (320 l/min) @ 2200 rpm
- Filtration: One return flow filter & high pressure filter
- Safety valve settings: Steering: 3,046 PSI (210 bar)
- Tipping: 4,061 PSI (280 bar)

### ELECTRICAL SYSTEM

- Alternator: 28V 100A
- Batteries: (two): 12V 225Ah (series connected to give 24V)
- Starter: 9.1 HP (6.7 kW)

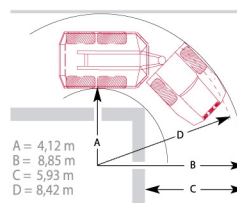
### CAB

- Approved to ROPS/FOPS standards (ISO 3471, ISO 3449, SAE J 231 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

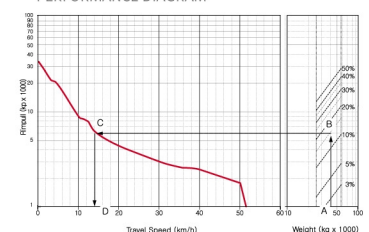
### TIRES

- Standard 29.5 R25 two star radial

Turning radius according to ISO 7457 : 27.6 feet (8.42 m)



### PERFORMANCE DIAGRAM





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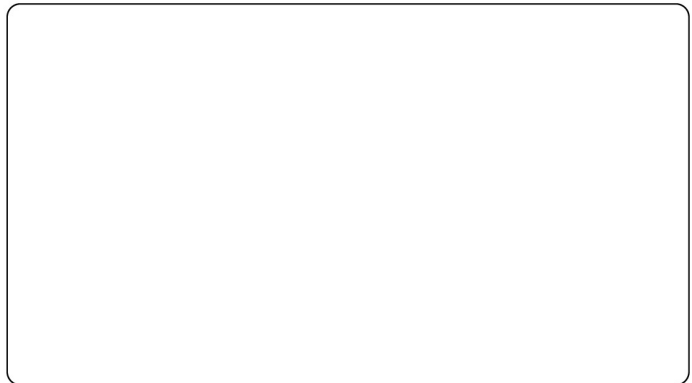
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The illustrations do not necessary show the product in standard version.  
All products and equipment are not available in all markets.  
Materials and specifications are subject to change without prior notice.