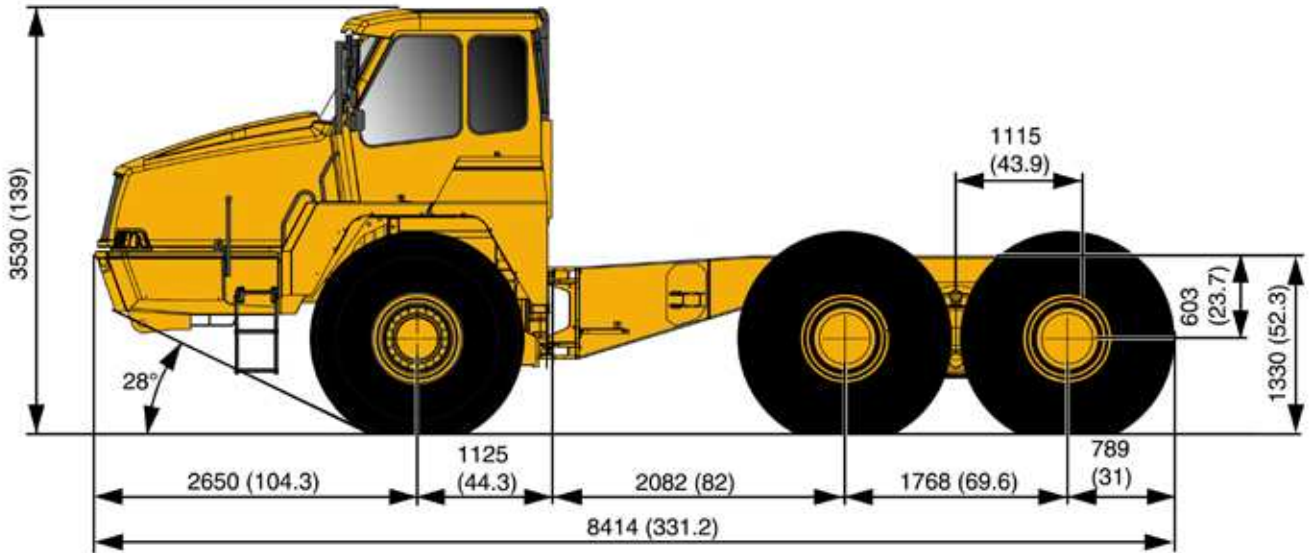


MOXY TUG RANGE



MTR350



millimetres (inches)

WEIGHTS

	LB	KG
Front axle	22,957	10,435
Rear axle	17,798	8,090

NOTE: All weights include a full fuel tank and operator

GROUND PRESSURES

	Bar	kPa
Standard 23.5 x 25 tyres with 15% sinkage		
Empty:		
Front axle	1.06	106
Rear axle	0.54	54
Loaded:		
Front axle	1.54	154
Rear axle	1.63	163

CAPACITIES

	GALLONS	LITRES
• Fuel Tank	92.4	350
• Hydraulic System	39.6	150
• Engine Cooling System	11.9	45
• Transmission	15.1	57
• Dropbox	8.7	33
• Engine Crankcase	3.5	13.2
• Front Reduction Gear	2 X 0.8	2 X 3
• Rear Differential	8.5	32
• Tandem Housing	2 X 19.8	2 X 75

ENGINE

Scania DC 9, 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) 347 hp (255 kW)
 - (ISO 9249) 336 hp (247 kW)

- No. of cylinders: 5 (in line)
- Cylinder volume: 549 cubic inches (9,0 litres)
- Air filter: Dry type

TRANSMISSION

- ZF 6WG 260 Dash 4 electronically-controlled automatic transmission
- the torqueconverter has automatic lock-up in all gears

SPEEDS	MPH	KMH
1st	4	6
2nd	6	9
3rd	9	14
4th	14	22
5th	20	33
6th	32	51

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

BRAKE SYSTEM

- Dual circuit braking system acting on all six wheels
- Approved according to ISO 3450
- All hydraulic operated brakes with disc brakes 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 :
 - for steering & attachments -
 - for cooling, fan, brakes & auxiliaries
- Delivery: 230 l/min @ 2200 rpm
- Filtration: One return flow filter & high pressure filter
- Pressure-setting, main safety valves:
- Attachments Circuit: 280 bar
- Steering Circuit: 210 bar

ELECTRICAL SYSTEM

- Alternator: 28V 100A
- Batteries: (two): 12V 140Ah (series connected to give 24V)
- Starter: 5.4 HP (4,0 kW)

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

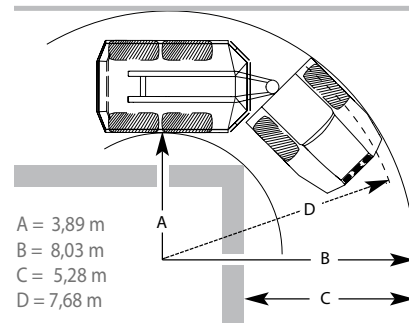
CAB

- 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

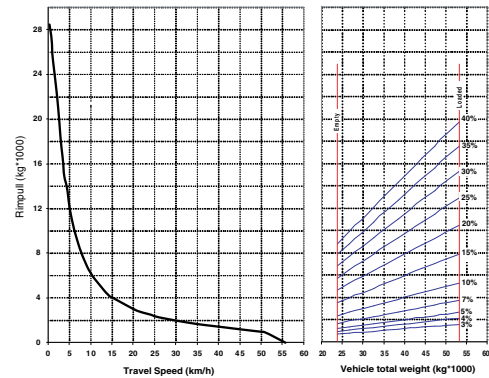
TIRES

- Standard 23,5 R25 two star radial

Turning radius according to ISO 7457: 25.2 feet (7,68 m)



PERFORMANCE DIAGRAM



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