



DT-1604 HAULAGE TRUCK

GENERAL

MAIN DIMENSIONS

Total Length.....	27'-1 3/16" (8260 mm)
Width without Dump Box.....	7'-7 3/4" (2331 mm)
Maximum Width.....	7'-7 3/4" (2331 mm)
Height at Protective Canopy.....	7'-8 1/8" (2339 mm)
Height at Dump Box.....	7'- 3" (2210 mm)
Dump Height.....	12'-7 7/16" (3846 mm)

WEIGHTS

Operating Weight.....	35,000 lbs (15,909 kg)
Total Loaded Weight.....	67,000 lbs (30,455 kg)

AXLE WEIGHT WITHOUT LOAD

Front Axle.....	22,750 lbs (10,341 kg)
Rear Axle.....	12,250 lbs (5,568 kg)

AXLE WEIGHT WITH LOAD

Front Axle.....	30,150 lbs (13,705 kg)
Rear Axle.....	36,850 lbs (16,750 kg)

CAPACITIES

Standard Payload.....	32,000 lbs (14,545 kg)
Standard Box.....	10.5 yd ³ (8.0 m ³)

DRIVING SPEEDS FWD & REV (0% GRADE)

1st Gear.....	2.8 mph (4.5 km/h)
2nd Gear.....	6.0 mph (9.7 km/h)
3rd Gear.....	10.3 mph (16.6 km/h)
4th Gear.....	17.6 mph (28.3 km/h)

TURNING RADIUS

Right Inner.....	10'-8 11/16" (3268 mm)
Right Outer.....	20'-5 1/2" (6236 mm)
Turning Angle.....	45 deg.

STRUCTURAL

Rear & Front Frames.....	Welded steel box construction
Material.....	ASTM A572 GR50 (CSA G40.21-50W)

HYDRAULICS

DUMP BOX HYDRAULICS

Variable displacement piston pump with load sensing closed center circuit design for optimal efficiency. Four-stage dual dump cylinders with double acting first and second stages.

BOX MOTION TIMES (+/- 1 s)

Raising Time.....	9.0 s
Lowering Time.....	10.0 s
Dump Angle.....	70 deg.

STEERING HYDRAULICS

Variable displacement piston pump with load sensing closed center circuit design. Monostick steering for bi-directional operation. Single stage, double acting steer cylinders.

ARTICULATION MOTION TIMES (+/- 1 s)

Turning Time Right.....	4.0 s
Turning Time Left.....	4.0 s

BRAKE SYSTEM

Service brakes are spring applied, hydraulically released, forced cool wet multi-disk brakes on all four wheel ends. The service brake in the wheel end also functions as an emergency and park brake.

ELECTRICAL EQUIPMENT

Alternator.....	24V/75A
Batteries.....	2 x 12V
Starter.....	24V Heavy Duty
Driving and Working Lights.....	2 Front / 2 Rear

OPTIONS

Canopy (FOPS/ROPS Certified)	Spare Tire & Rim
Fire Suppression System	Automatic Lubrication System
Remote Control	Electric Transfer Pump
Operator's Cab w/ Air Conditioning	

POWERTRAIN

General

Air Filtration.....	Donaldson, Dry Type
Exhaust System.....	Purimuffler
Fuel Tank Capacity.....	88 USG (333 litres)

Converter

Lock-up.....	Dana CL320 Series Manual c/w modulation
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Transmission

Shifting.....	Dana R32000 Series Powershift c/w modulation
Speeds.....	4 Fwd/ 4 Rev

Axles

Front & Rear.....	John Deere 1400 Series
Differential.....	Front:No-spin, Rear:Standard
Brakes.....	Enclosed Wet Disc
Oscillation Angle.....	30 deg.

Tires

Model.....	Bias
Size.....	14.00 x 24

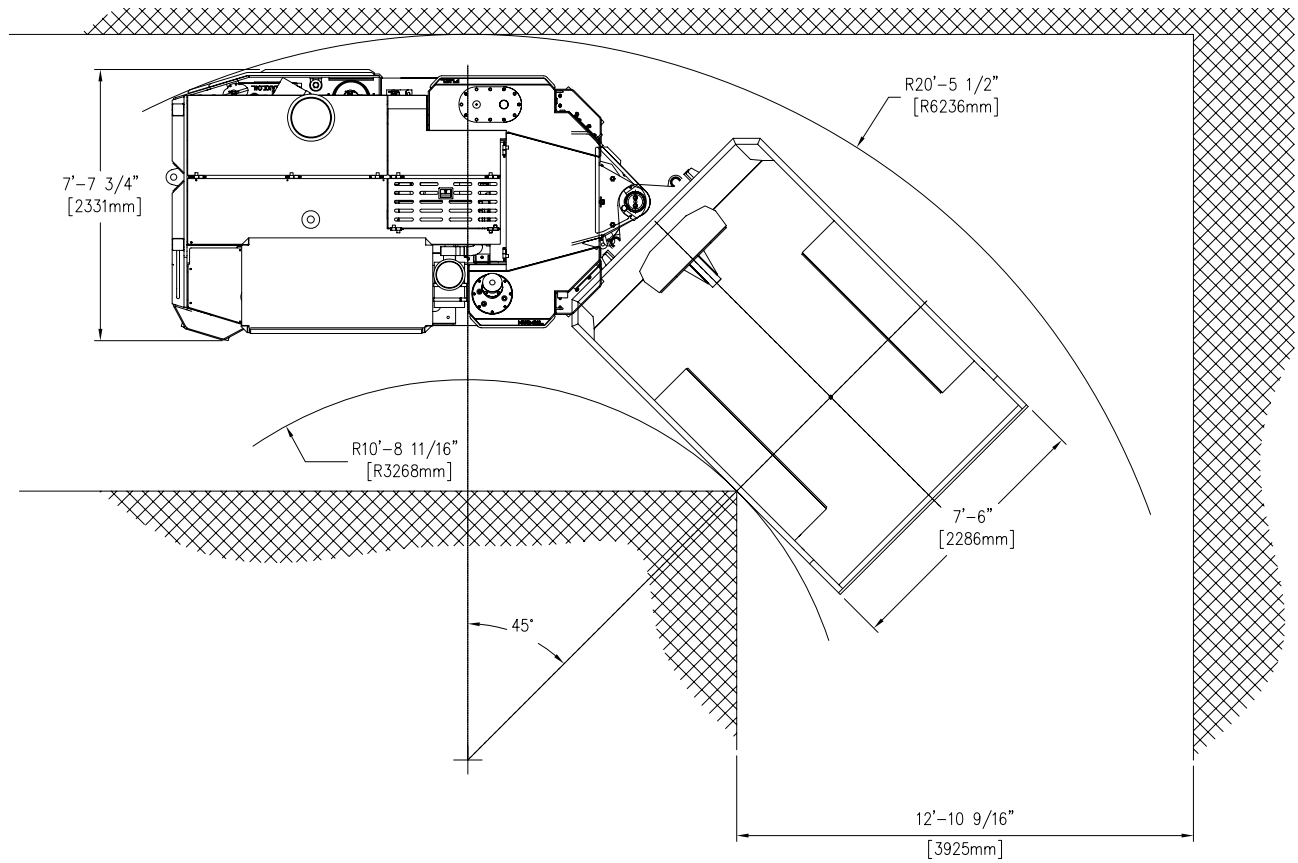
ENGINE OPTIONS

ENGINE	Deutz BF6M1013EC	Cummins 6.7	Mercedes OM906LA
CERTIFICATION	EPA Tier 2, MSHA	EPA Tier 3, CARB Tier3, EU Stage III	EPA Tier 3, EU Stage III
DISPLACEMENT	7.146 litres	6.7 litres	6.4 litres
BORE	4.3" (108 mm)	4.21" (107 mm)	4.02" (102mm)
STROKE	5.1" (130 mm)	4.88" (124 mm)	5.12" (130 mm)
OUTPUT	210 hp (156.5 kW) @2300 rpm	220 hp (164 kW) @2200 rpm	228 hp (170 kW) @2200 rpm
MAX TORQUE	568 ft-lbs (770 Nm) @1400 rpm	700 ft-lbs (949 Nm) @1500 rpm	597 ft-lbs (809 Nm) @1200-1600 rpm
NUMBER OF CYLINDERS	Inline 6	Inline 6	Inline 6
TYPE OF COOLING	Liquid Cooled, Aftercooled	Liquid Cooled	Liquid Cooled
COMBUSTION PRINCIPLE	Direct Injection Turbocharged	Turbocharged and Charge Air Cooled	Turbocharged and Charge Air Cooled
ELECTRICAL SYSTEM	24 VDC	24 VDC	24 VDC
GOVERNOR	Electronic	Electronic	Electronic

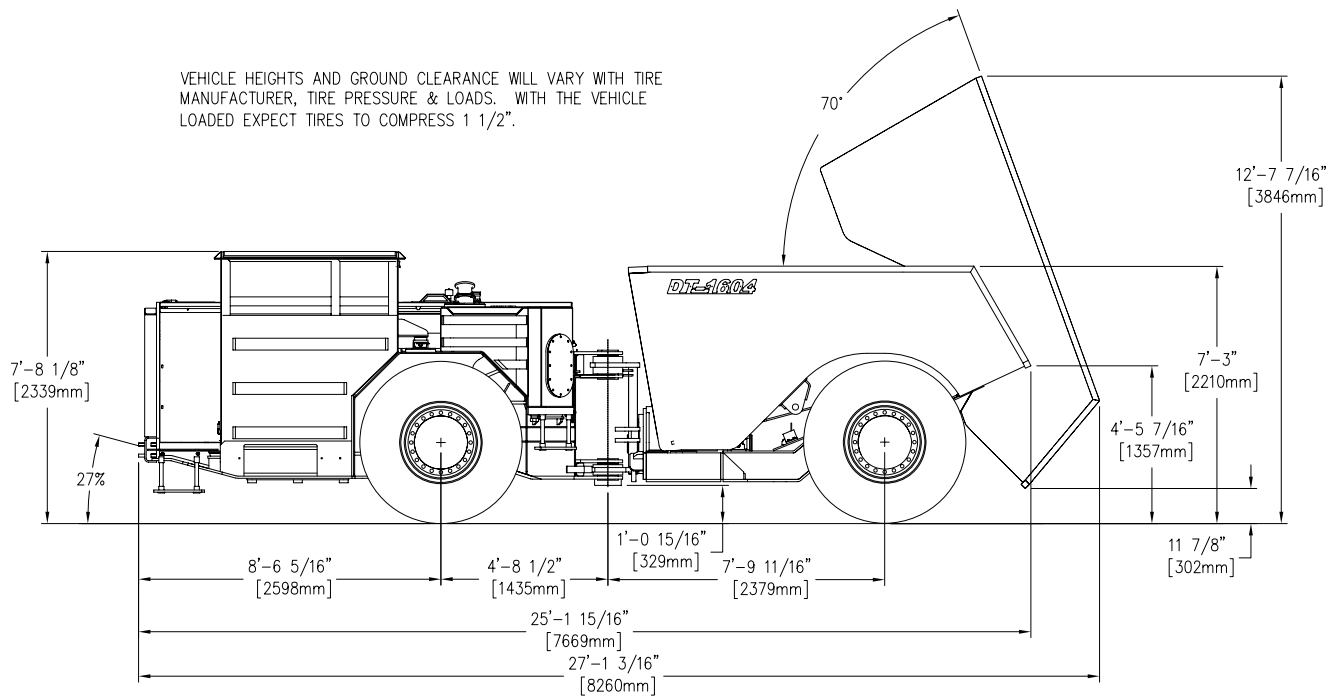




DT-1604 DIMENSIONS



VEHICLE HEIGHTS AND GROUND CLEARANCE WILL VARY WITH TIRE MANUFACTURER, TIRE PRESSURE & LOADS. WITH THE VEHICLE LOADED EXPECT TIRES TO COMPRESS $1 \frac{1}{2}"$.



Derived from 006016-009 Rel

