

HX16

Haulage truck



Safety



Reliability



Productivity



Capacities

Haulage capacity	16 000 kg (35,300 lbs.)
Dump box capacity	8.0 m ³ (10.7 yd ³)

Engine options

Engine (standard)	164 kW (220 HP)
Optional engine	174 kW (228 HP)
	164 kW (220 HP) High altitude
Payload	16 000 kg (35,300 lbs.)

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Weights

Operating weight	17 900 kg (39,380 lbs.)
Total loaded weight	33 900 kg (74,580 lbs.)
Axle weight without load	
Front axle	13 600 kg (29,920 lbs.)
Rear axle	4 300 kg (9,460 lbs.)
Axle weight with load	
Front axle	19 200 kg (42,240 lbs.)
Rear axle	14 700 kg (32,340 lbs.)

Driving speeds with lockup loaded

Grade	0%	10%	15%
1st gear	5.4 kph (3.4 mph)	5.2 kph (3.2 mph)	5.1 kph (3.2 mph)
2nd gear	11.1 kph (6.9 mph)	10.9 kph (6.8 mph)	8.7 kph (5.4 mph)
3rd gear	19.2 kph (11.9 mph)		
4th gear	33.1 kph (20.6 mph)		

Box motion times (+/-1s)

Raising time	12.0 s
Lowering time	10.0 s

Articulation motion times (+/-1 s)

Turning time: right	5.0 s
Turning time: left	5.0 s

Electrical equipment

Alternator	24V/100A
Batteries	2x24V
Starter	24V heavy duty
Driving and working lights	4 front/2 rear

Structural

Front and rear frames	Welded steel box construction
Material	ASTM A572 GR50

Powertrain

Engine (standard)	Cummins QSB 6.7 EPA Tier 3
Output	164 kW (220 HP) @ 2,200 rpm
General	
Air filtration	Donaldson (dry type)
Exhaust system	Diesel oxidation catalyzer
Fuel tank capacity	317 L (84 US gal)
Converter	Dana CL320 series with lock-up
Transmission	Dana 32000 series
Shifting	Powershift c/w modulation
Speeds	4 forward/4 reverse

Axles

Front and rear	Dana 16D2149
Differentials, front	Open
Differentials, rear	Open
Breaks	Spring applied, hydraulic release
Oscillation angle	+/- 10 deg (frame)
Tires	Radial lugged
Size	17.50 R 25

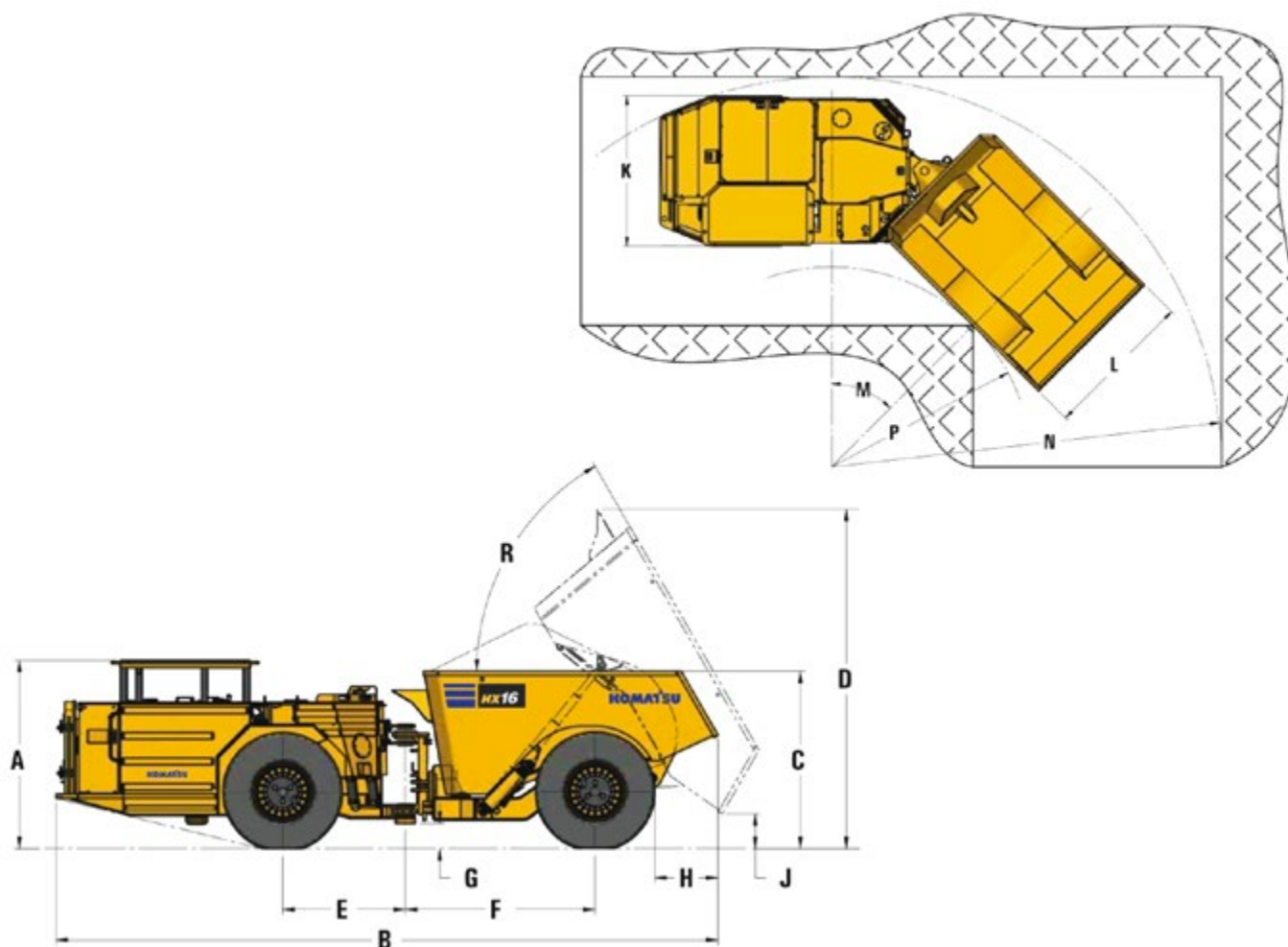
Hydraulics

System design - Variable displacement piston pump with load sensing closed center circuit design for optimal efficiency. Electric transfer pump for tank filling.

Dump control	Hydraulic
Steering control	Single proportional joystick with gear selector
Box hoist cylinder	Two, double acting, four stage
Steer cylinder	Two, double acting, single stage
Hydraulic tank volume	165 L (43.5 US gal)

Brake cooling tank volumes

Brake system - Service brakes are enclosed spring-applied, hydraulically released, liquid cooled multidisk on all four wheel ends. The service brakes also function as emergency and park brakes. Brakes will apply upon loss of hydraulic pressure or electrical power.



Overall dimensions

A	Height to top of canopy	2 352 mm (93 in)
B	Tramming length	7 728 mm (304 in)
C	Height - top of dump box	2 114 mm (83 in)
D	Height - dump box up	3 957 mm (156 in)
E	Length - front axle to center hinge	1 436 mm (57 in)
F	Length - rear axle to center hinge	2 216 mm (87 in)
G	Height - ground clearance	336 mm (13 in)
H	Length - dump clearance	728 mm (29 in)
J	Height - dump clearance	447 mm (18 in)
K	Width - max frame	2 318 mm (91 in)
L	Width - dump box	2 318 mm (91 in)
M	Turning angle	45 deg
N	Outside radius	6 022 mm (237 in)
P	Inside radius	3 087 mm (112 in)
R	Dump angle	60 deg

* Vehicle height and ground clearance will vary with tire manufacturer, tire pressure and load. With the vehicle loaded, expect tires to compress up to 61 mm (2.4 in).

Features

FOPS/ROPS open cabin	●
Battery disconnect	●
Articulation and dump box locks	●
Joystick steering and dump box control	●
Side seated operator	●
LED working lights	●
Central manual lubrication	●
Backup alarm	●
Manuals: operators, parts, service	●
Reverse camera	○
FOPS/ROPS enclosed cabin with AC and heat	○
Fire suppression system: manual or automatic	○
Fire extinguisher	○
Automatic lubrication system	○
Strobe light	○
Wheel chocks and holders	○
Alternative dump box volumes	○
7.3 m ³ for 2.2 mt/m ³	○
9.0 m ³ for 1.8 mt/m ³	○
Exhaust blanket	○
Cabin pressurizer	○
Spare wheel	○
Fast fill, Wiggins	○
Transmission gear lock-out	○

Further equipment on request

- standard equipment
- optional equipment

Engine options

Engine	MTU OM906
Output	174 kW (228 HP)
Engine	Cummins QSB6.7 High Altitude
Output	164 kW (220 HP)

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