

## HX30



Safety



Reliability



Productivity



*Indicative illustration only — machine design will vary.*

	<b>Capacities</b>	
Haulage capacity	30 000 kg	66,000 lbs.
Dump box volume	15 m <sup>3</sup>	19.6 yd <sup>3</sup>
	<b>Engine options</b>	
Engine (standard) EPA Tier 3/EU Stage IIIA	320 kW	429 HP
Engine (optional) EPA Tier 4F/EU Stage V	320 kW	429 HP

# HX30

## Capacities

Haulage capacity	30 000 kg	66,000 lbs.
Standard box volume	15 m <sup>3</sup>	19.6 yd <sup>3</sup>

## Weights

Operating weight	30 400 kg	66,880 lbs.
Total loaded weight	60 400 kg	132,880 lbs.

## Axle weight without load

Front axle	22 800 kg	50,160 lbs.
Rear axle	7 600 kg	16,720 lbs.

## Axle weight with load

Front axle	28 600 kg	62,920 lbs.
Rear axle	31 800 kg	69,960 lbs.

## Driving speeds unloaded (km/h)

Grade (%)	0	5	10	12.5	14.3	20
1st gear	5.6	5.6	5.5	5.5	5.5	5.5
2nd gear	10	9.9	9.9	9.9	9.8	9.8
3rd gear	17.5	17.4	17.2	17.1	15.8	
4th gear	31.6	31.2	24.7			

## Driving speeds loaded (km/h)

Grade (%)	0	5	10	12.5	14.3	20
1st gear	5.6	5.6	5.5	5.5	5.5	5.5
2nd gear	10	9.8	9.8	9.1	8.2	
3rd gear	17.4	17.1				
4th gear	31.4					

## Box motion times (+/- 1 s)

Raising time	13.0 s
Lowering time	13.0 s

## Articulation motion times (+/- 1 s)

Turning time, right	3.5 s
Turning time, left	3.5 s

## Control system

User interface	Multicolor touch display
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## Electrical system

Voltage	24V
Alternator	110A
Batteries	2 x 12V/185Ah
Reverse alarm	

## Lights

Front lights	5
Side lights	4
Rear lights	2 + 2 optional
Turn signals	4
Brake lights	3
Flashing beacon	1

## Structural

Front and rear frames	Welded steel box construction
Material	S690, S355

## Articulation oscillation joint

## Powertrain

<b>Engine (standard)</b>	Mercedes OM471
Output	320 kW (429 hp) @ 1,700 rpm
Exhaust system	Diesel oxidation catalyst, silencer
Certification	EPA Tier 3 / EU Stage IIIA

<b>Engine (optional)</b>	Mercedes OM471
Output	320 kW (429 hp) @ 1,700 rpm
Exhaust system	Diesel particulate filter
Certification	EPA Tier 4F / EU Stage V

## Cooling type

	Liquid
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## Air filtration

	Dry air filter
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## Fuel tank capacity

	475 L	125 US gal
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## Torque converter

	Dana CL8000 with lockup
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## Transmission

	Dana 6000
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## Shifting

	Electric
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## Gears

	4 forward/4 reverse
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## Axles

Front and rear	Kessler D102
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## Differentials, front

	Open
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## Differentials, rear

	Open
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## Brakes

	Spring apply, hydraulic release on wheel ends
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## Tires

	26.5R25
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\* As applications vary, local tire supplier should be consulted for appropriate tire.

## Hydraulics

Variable displacement piston pump with load sensing closed center circuit design for optimal efficiency, steering has priority over working hydraulics. Optional electric transfer pump for tank filling.

## Steering control

	Steering wheel with orbitrol
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## Box hoist control

	Electric lever
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## Box hoist cylinders

	Two cylinders, double acting, single stage
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## Steer cylinders

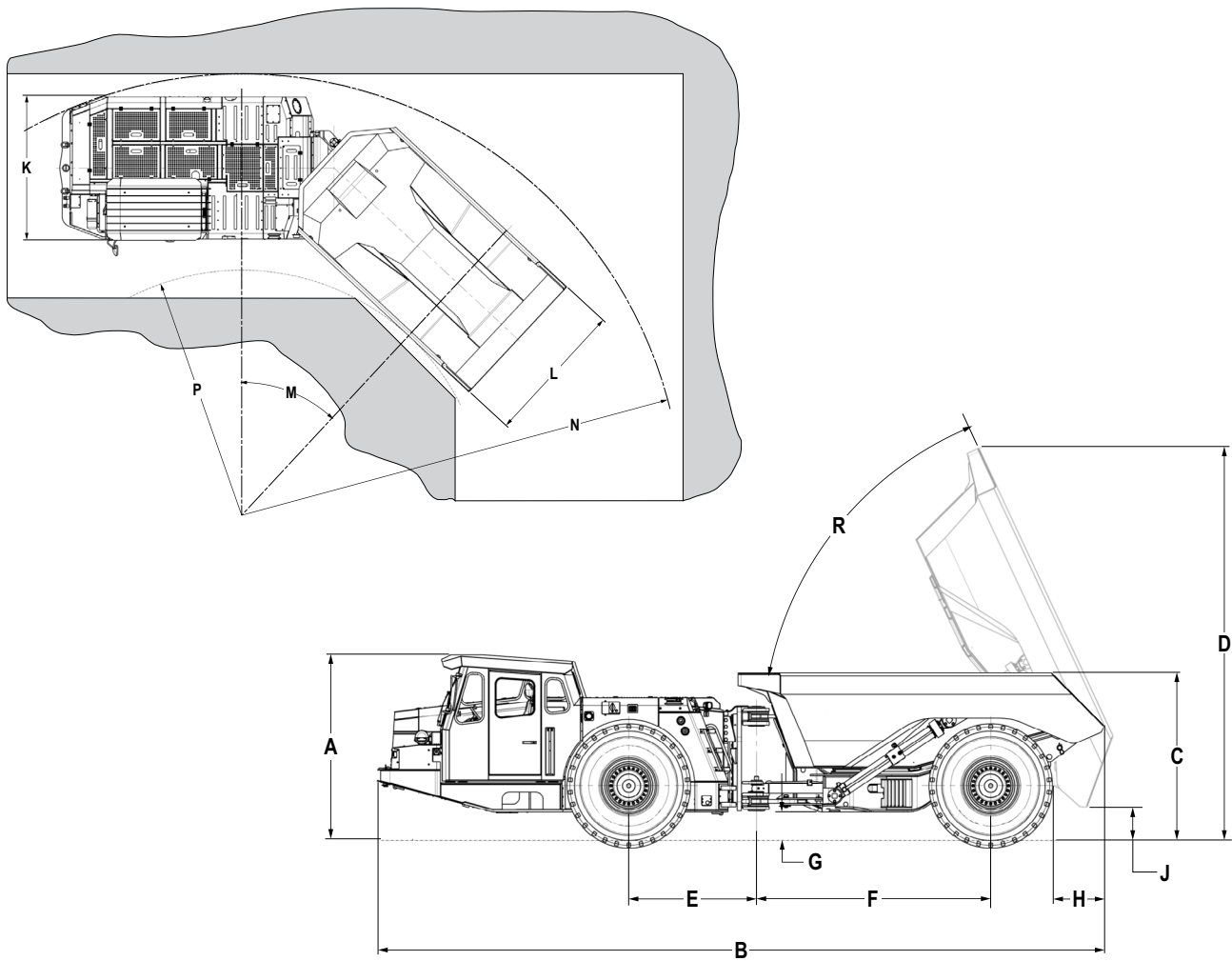
	Two cylinders, double acting, single stage
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## Hydraulic tank volume

	280 L	74 US gal
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## 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 electric power



**Overall dimensions**

<b>A</b>	Height - top of canopy	2 600 mm	102 in
<b>B</b>	Length - tramming	10 246 mm	403 in
<b>C</b>	Height - sideboard	2 350 mm	93 in
<b>D</b>	Height - box up	5 460 mm	215 in
<b>E</b>	Length - front axle to articulation	1 800 mm	71 in
<b>F</b>	Length - rear axle to articulation	3 300 mm	130 in
<b>G</b>	Height - ground clearance	400 mm	16 in
<b>H</b>	Length - dump clearance	433 mm	17 in

<b>J</b>	Height - dump clearance	476 mm	19 in
<b>K</b>	Width - overall (not including box, mirrors)	2 770 mm	109 in
<b>L</b>	Width - dump box outside	2 800 mm	110 in
<b>M</b>	Turn angle		43 degrees
<b>N</b>	Turning radius - outside	8 594 mm	338 in
<b>P</b>	Turning radius - inside	4 778 mm	188 in
<b>R</b>	Dump angle		65 degrees

# Standard and optional equipment

Operator's cabin	●
ROPS - Certification ISO 3471	●
FOPS - Certification ISO 3449	●
Cabin suspension to reduce vibrations	●
Laminated glass windows	●
No high pressure hoses inside the cabin	●
Inclinometers	●
Adjustable steering wheel	●
Illuminated 3-pt access	●
Emergency exit via side window	●
7" touch display	●
Sliding window	●
Noise reduction due to absorbent material	●
Radio slot	●
12V output	●
USB loading	●
Sun visor	●
Heating	●
Audio media player	●
3-pt seat belt	●
Air suspended seat	●
Secondary trainer's seat	●
Heated mirrors	●
First aid kit	●
Document case	●
Inclinometer	●
Lockable main switch	●
Emergency stop button (3)	●
Jump start interface	●
Engine brake light	●
Flashing beacon	●
Electric brake release pump	●
Neutral brake apply	●
Reverse alarm	●
Mechanical steering locking device	●
Mechanical dump box locking device	●
Heat insulation on exhaust system	●
Door interlock for parking brake	●
Wheel chocks	●
Fire extinguisher	●
Oscillating articulation	●

Payload weighting system including load indication light	○
Engine starter isolator	○
Dump box interlocking including warning signal	○
Blockout gears	○
Open cabin	○
Air conditioner	○
Fire suppression system manual/automatic	○
Automatic central lubrication system	○
Electric hydraulic filling pump	○
Machine status light	○
Rearview camera	○
Sideview camera	○
Additional working light (underground dumping - 2x)	○
Emergency steering	○
Fluid level and temperature interlocks	○
RFID machine access	○
Tire pressure monitoring	○
Folding handrails	○
Brake wear monitoring	○
Remote monitoring	○
CE certification	○
Automation interface	○
Wiggins fast fuel fill	○
Regulatory options	○

- standard equipment
- optional equipment

## Features

Dump box - standard	15 m <sup>3</sup>	19.6 yd <sup>3</sup>
Dump box - options	16.5 m <sup>3</sup>	21.6 yd <sup>3</sup>
	18 m <sup>3</sup>	23.5 yd <sup>3</sup>

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