

KOMATSU

HX20



Safety



Reliability



Productivity



Capacities		
Haulage capacity	20 000 kg	44,000 lbs.
Dump box volume	10 m ³	13 yd ³

Engine options		
Engine (standard)	194 kW	260 HP
EPA Tier 3/EU Stage IIIA		
Engine (optional)	209 kW	280 HP
EPA Tier 4F/EU Stage V		

HX20

Capacities

Haulage capacity	20 000 kg	44,000 lbs.
Standard box volume	10 m ³	13 yd ³

Weights

Operating weight	18 955 kg	41,701 lbs.
Total loaded weight	38 955 kg	85,701 lbs.

Axle weight without load

Front axle	14 850 kg	32,670 lbs.
Rear axle	4 105 kg	9,031 lbs.

Axle weight with load

Front axle	20 150 kg	44,330 lbs.
Rear axle	18 850 kg	41,470 lbs.

Driving speeds unloaded (km/h)

Grade (%)	0	5	10	12.5	14.3	20
1st gear	5	4.9	4.8	4.8	4.8	4.8
2nd gear	10.1	10	9.9	9.9	9.8	9.6
3rd gear	17.5	17.1	16.8	16.2	15.3	10.1
4th gear	29.9	29.8	18.4			

Driving speeds loaded (km/h)

Grade (%)	0	5	10	12.5	14.3	20
1st gear	4.9	4.8	4.8	4.8	4.7	4.7
2nd gear	10.1	9.8	9.6	8.3	6.6	4.7
3rd gear	17.4	16.6	8.7			
4th gear	27.2					

Box motion times (+/-1 s)

Raising time	7.0 s
Lowering time	8.0 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	55A
Batteries	2 x 12V/140Ah
Reverse alarm	

Lights

Front lights	2
Rear lights	2
Turn signals	4
Brake lights	2
Flashing beacon	1

Structural

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

Powertrain

Engine (standard)	Cummins QSB6.7
Output	194 kW (260 HP) @ 2,300 rpm
Exhaust system	Diesel oxidation catalyst, silencer
Certification	EPA Tier 3 / EU Stage IIIA

Engine (optional)	Cummins QSB6.7
Output	209 kW (284 HP) @ 2,300 rpm
Exhaust system	Diesel particulate filter
Certification	EPA Tier 4F / EU Stage V

Cooling type	Liquid
Air filtration	Dry air filter
Fuel tank capacity	280 L 74 US gal
Torque converter	Dana CL8000 with lockup

Transmission	Dana R32000
Shifting	Electric
Gears	4 forward/4 reverse

Axles

Front and rear	Kessler D81
Differentials, front	Open
Differentials, rear	Open
Brakes	Spring apply, hydraulic release on wheel ends
Tires	16.00 - 25

Hydraulics

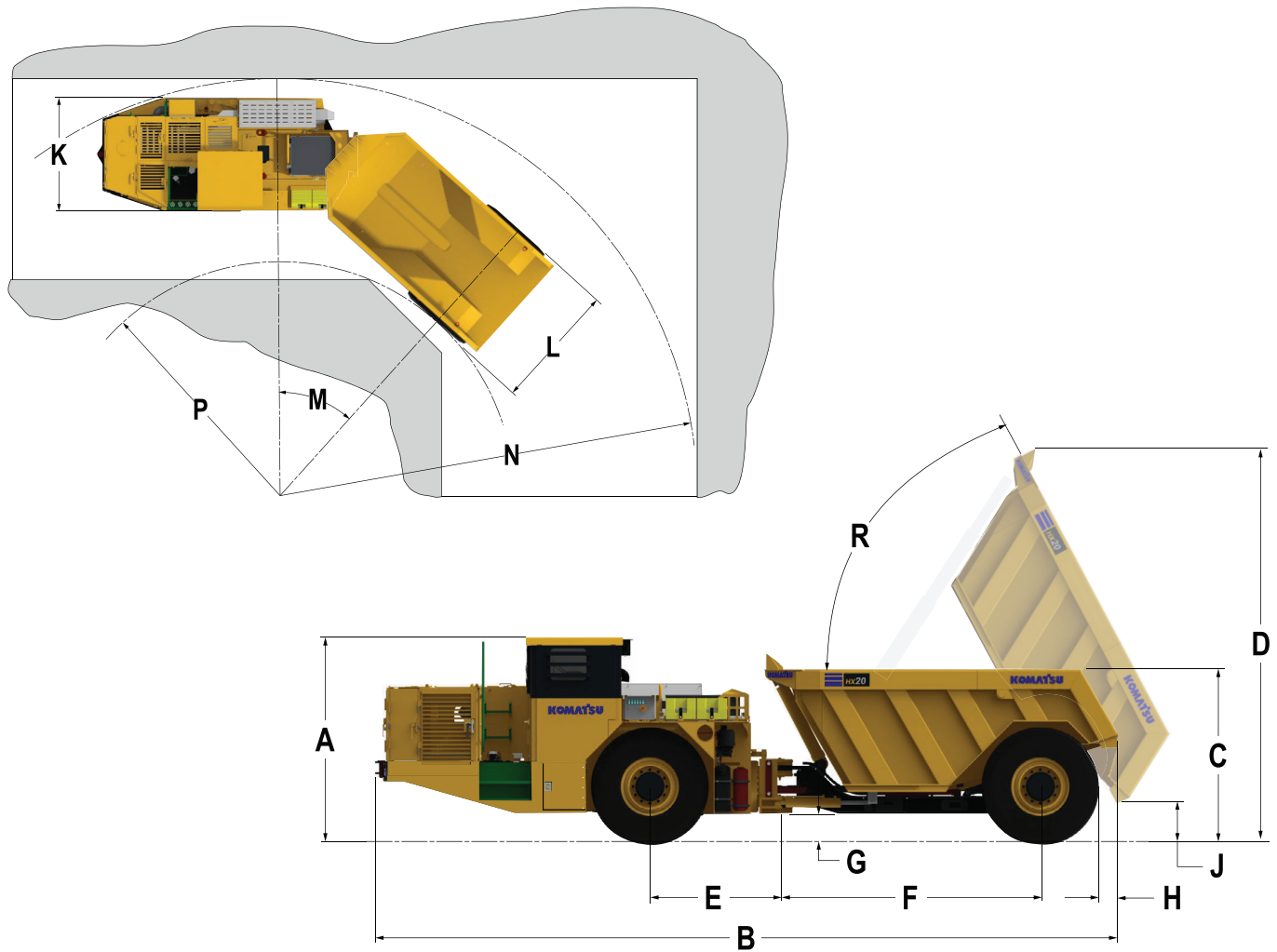
Constant gear pumps with closed center circuit design, steering has priority over working hydraulics

Steering control	Steering lever
Box hoist control	Lever control
Box hoist cylinders	One cylinder, single acting, four stage
Steer cylinders	Two cylinders, double acting, single stage
Hydraulic tank volume	230 L 61 US gal

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

General specifications



Overall dimensions

A	Height - top of canopy	2 555 mm	101 in
B	Length - tramming	9 417 mm	371 in
C	Height - sideboard	2 149 mm	85 in
D	Height - box up	4 936 mm	194 in
E	Length - front axle to articulation	1 645 mm	65 in
F	Length - rear axle to articulation	3 300 mm	130 in
G	Height - ground clearance	312 mm	12 in
H	Length - dump clearance	171 mm	7 in

J	Height - dump clearance	433 mm	17 in
K	Width - overall (not including box, mirrors)	2 130 mm	84 in
L	Width - dump box outside	2 200 mm	87 in
M	Turn angle		43 degrees
N	Turning radius - outside	8 165 mm	321 in
P	Turning radius - inside	5 023 mm	198 in
R	Dump angle		62 degrees

Standard and optional equipment

Operator's cabin - open (side seated)	●
ROPS - Certification ISO 3471	●
FOPS - Certification ISO 3449	●
Inclinometer	●
First aid kit	●
2-pt seat belt	●
Door interlock for parking brake	●
Mechanical steering and dump box lock	●
Reverse alarm	●
One hand-held fire extinguisher	●
Jump start interface	●
Lockable main switch	●
Neutral brake	●
Rotating beacon light	●
Wheel chocks	●
One rearview mirror	●

Dump box Interlock including warning signal	○
Gear lock	○
Closed cabin (side seated)	○
Heating	○
Air conditioning	○
Pressurized cabin H13	○
3-pt seat belt	○
Second fire extinguisher	○
Manual or automatic fire suppression systems	○
Central grease points	○
Automatic central lubrication system	○
Electric brake release pump	○
Rearview camera with monitor	○
Two cameras (one rearview, one sideview) with monitor	○
Additional working light	○
Deadman switch	○
Fluid level and temperature interlocks	○
Emergency steering	○
Door interlock for parking brake and steering	○
Engine starter isolator	○
Remote monitoring	○
CE certification	○
Regulatory options	○
Tailgate	○

- standard equipment
- optional equipment

Features

Dump box options		
	7.5 m ³	9.8 yd ³
	10 m ³	13.3 yd ³
	11 m ³	14.4 yd ³
	12.5 m ³	16.3 yd ³

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