

Engine

Power

• G.V.W.

Payload

Capacity Struck

Heaped (SAE 2:1)

Iveco Cursor 13 **TIER 3**

368 kW (500 HP)

70.000 kg

40.000 kg

20 m³

25,2 *m*³

ENGLISH 01-2011



ENGINE

Diesel with 6 cylinders in line, direct electronic injection, pump injectors, turbo charger with intercooler, variable geometry turbine.

Emissions: EPA - CARB - OFF ROAD TIER 3



PERFORMANCE

With 18.00R33 tyres

gears	gears ratio	Km/h	mph
			_
1	4.00	8.1	5
2	2.68	12.1	7.5
3	2.01	16.2	10
4	1.35	24.0	14.9
5	1.00	32.4	20.1
6	0.67	48.4	30
1 REV	5.15	6.3	3.9
2 REV	3.46	9.4	5.8



TRANSMISSION

Automatic transmission Allison H5610AR with 6 forward speeds and 2 reverse.

Hydraulic torque converter, stall torque 1:1,77.



REAR AXLE

KESSLER axle.

Double reduction: central by bevel gear pair and final in wheel hubs by epicyclic train.

Central reduction ratio:	 1:3,27
Final reduction ratio:	
Total reduction ratio:	 1:19,29



TYRES

Tubeless radial rock tyres 18.00R33



STEERING

Meets ISO 5010, SAE J 1511 standards.

Hydraulic power steering with 2 double acting cylinders.

Gear pump flanged to the gearbox.

Max.working pressure: 170 Bar

Radial piston emergency pump driven by the transmission.



BRAKES

Complying with ISO 3450.

Service brake: Pneumo-hydraulic controlled dry disc with

2 independent circuits, one for each axle . Emergency brake: service brake integrated.

Parking brake: disc-type, driven by a spring cylinder acting

on the final part of the transmission.

Hydraulic retarder: between torque converter and

gearbox.



SUSPENSION

Front: independent steering wheels, hydro-pneumatic suspension cylinders (oil-nitrogen) acting as suspension/shock absorber.

Rear: semi-independent with A-frame and Panhard type cross bar. Two hydro-pneumatic cylinders (oil/nitrogen) acting as suspension/shock absorber.

Optional: front suspension gas charger kit.



ELECTRICAL SYSTEM

2 batteries	S:	12 V / 1	70 Ah
Voltage:			24 V
Alternator		24 V	/ 90 A
Starter:			5 kW

All cables are coded, covered and fastened to the chassis. CAN bus Simple-Mux system between engine control unit (ECU), gearbox and Body Computer.

New cluster with high definition multifunctional colour display. New Black Box able to manage 140 records for each memory area.

Optional: Rear view camera with cluster integrated display (3" ½).

Rear view camera with monitor in the cab (4" 1/2).



BODY TIPPING SYSTEM

Two body hoist cylinders installed on ball joints outside the frame rails. Three stage telescopic cylinders. Gear pump driven by a gearbox PTO (flow: 200 l/min @ 1900 rpm).



BODY

Walls and bottom in high abrasion resistar	ice steel.
Hardness:	HB 400
Bottom thickness:	12 mm 0.47 in
Side walls thickness:	10 mm 0.39 in
Front thickness:	12 mm 0.47 in
Elastic pads between body and chassis.	
Tipping angle:	62°
Tipping time:	13"
Lowering time:	12"
Body heating system.	
Body capacity:	
Struck:	20 m ³ 26.1 yd ³
heaped (SAE 2:1):	25.2 m ³ 33 yd ³
Optional: Rock body bottom 20mm; Heav	
bottom 25mm; Body side extensions (heig	
Rear mechanical gate; Body front spill gua	ırd.



CHASSIS

Built in high resistance steel. Two extruded side members linked by stiffening cross members with a ring structure supporting the front suspension.



GREASING SYSTEM

Optional: automatic central greasing system with a variable amount of grease according to the conditions of vehicle use.



CAB

Complying with ROPS ISO 3471 and FOPS ISO3449

In steel, sound-proof and installed on the left side. Compressed air quick coupling for cab cleaning. Athermic glasses. Door with glazing in the lower part for maximum visibility.

Fully adjustable air suspension central operator seat with safety belts. Instructor seat with safety belts.

Cab suspension with elastic pads. Windscreen sunvisor. Automatic climate control with pollen filter.

Optional:

Work lights on top of the cab.

CD-Mp3 radio.

Refrigerator.



INSTRUMENTS

On-board computer with digital/analogic instrumentation and performance/fault messages to manage all vehicle operating information (levels, warning lights, etc...). Advanced vehicle diagnostics system: management, display and storage of engine, transmission, steering system, braking, body tipping and service pneumatic system data. Emergency engine switch in the cab. Connection for data download and analysis. Trip computer for vehicle productivity analysis. Optional: Ground emergency engine switch.



SERVICE DATA(I)

For specifications of the fluids, see the Use and

Maintenance Manual. Engine oil: 9.2 US Gals Gearbox oil: 68 I 17.9 US Gals Cooling circuit:85 | 22.5 US Gals 129.4 US Gals Fuel tank:490 I 0,2 US Gals Front hub (each):1,1 I Rear axle: 68 I 17.9 US Gals Tipping hydraulic system oil: 220 I 58.1 US Gals Fan drive and steering hydraulic system oil: 80 I 21.13 US Gals Brakes hydraulic system oil: 6 I Final reductions oil (each): 10,6 I 1.6 US Gals 2.8 US Gals Suspension cylinders front (each): 17,0 | 4.5 US Gals Suspension cylinders rear (each): 7,9 l 2.1 US Gals



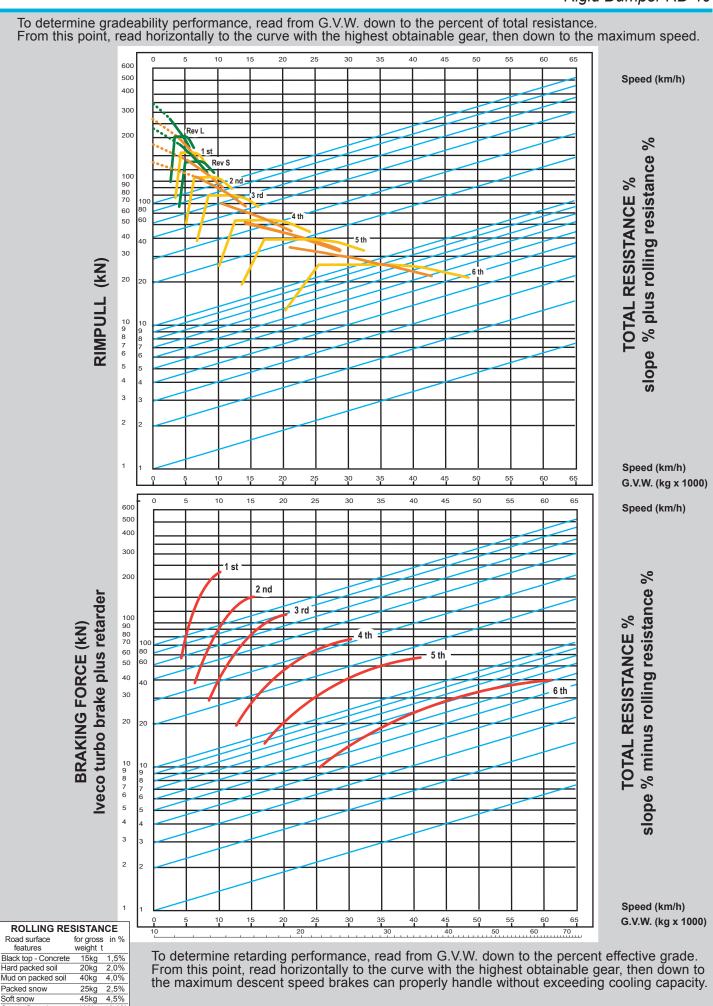
PNEUMATIC SYSTEM



WEIGHTS Kg

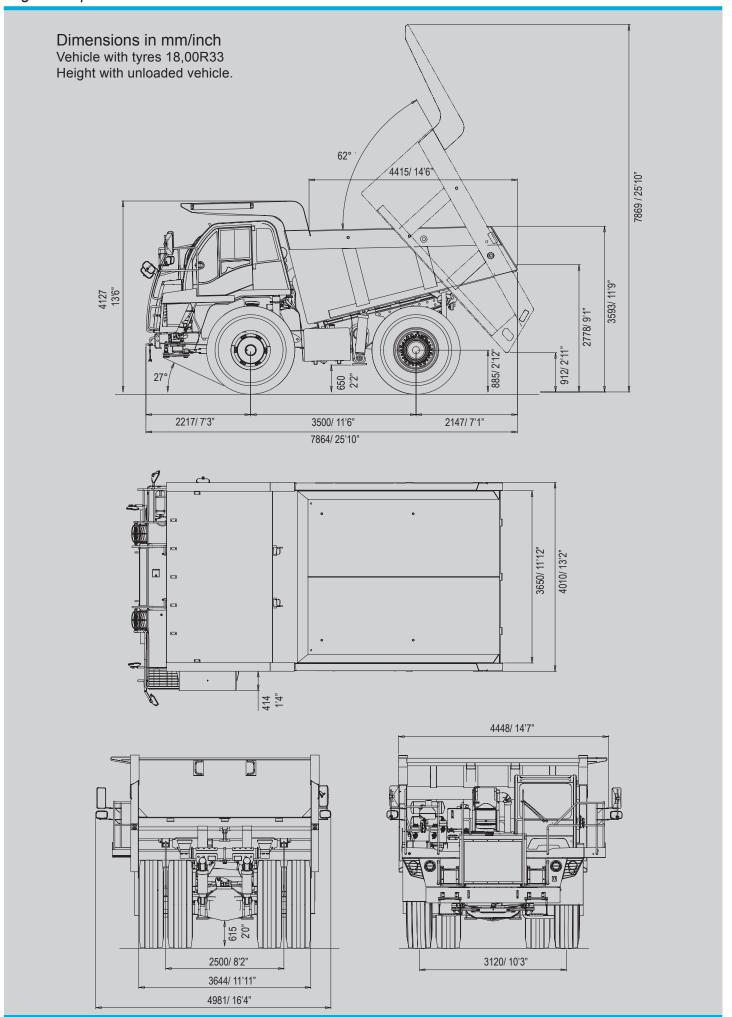
	kg TARE (*) lb		kg PAYLOAD lb		TOTAL WEIGHT lb	
Front axle	16.100	35.494	6.950	15.322	23.050	50.816
Rear axle	13.900	30.644	33.050	72.862	46.950	103.506
Total	30.000	66.138	40.000	88.184	70.000	154.322

^{*}Tare including fuel, lubricants and driver (75 kg / 165 lb)



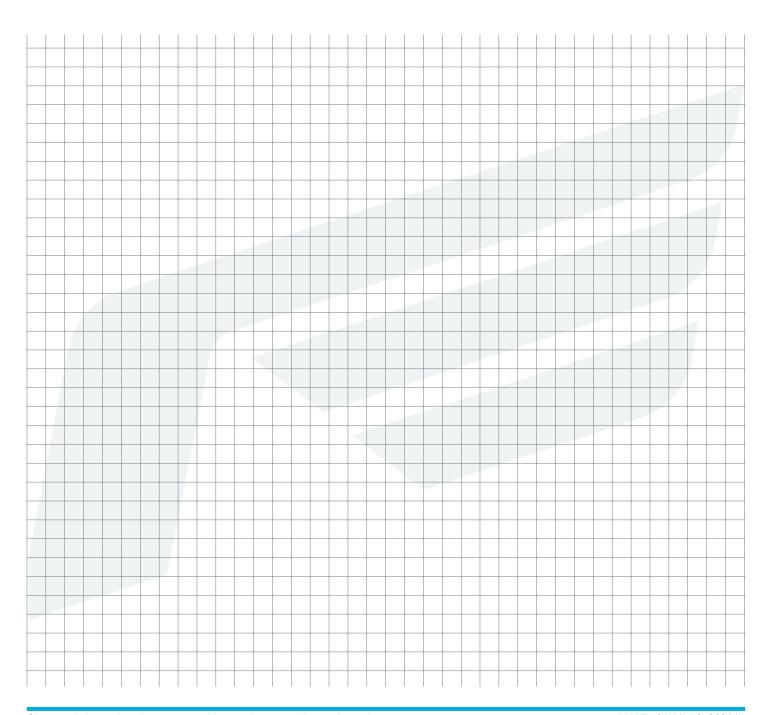
Sand - Gravel

100kg 10,0%



RD 40

Rigid Dumper



Characteristics and equipment are subject to changes without prior notice

M.K.T.- 01.11- A3502014

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DEALER