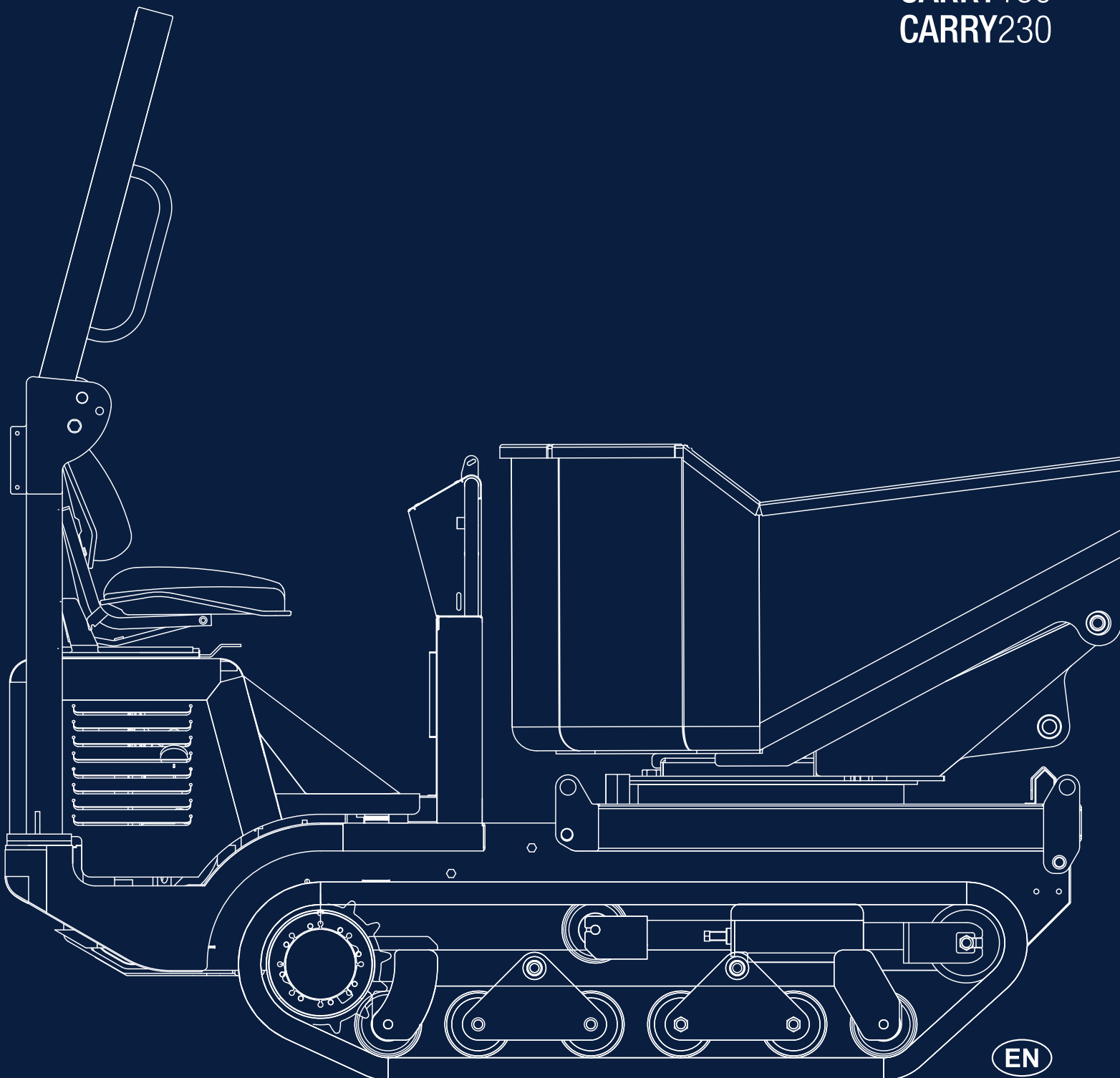


MINI-DUMPERS

1500 / 2300 KG

CARRY150
CARRY230



CARRY150

VERSATILITY FOR EVERY TYPE OF USE

Independent dual circuit hydrostatic transmission with variable displacement axial piston pump and dual displacement axial piston hydraulic engine for each track.



ROPS operator protection

Battery housing
under engine bonnet

MINI-DUMPERS 1500 / 2300 KG

FRONT TIPPING SKIP WITH (WITHOUT) SELF-LOADING SHOVEL

Loading bucket with automatic opening-closing, easily removable hatch.

The loading shovel, integrated into the bucket, allows the operator to manoeuvre safely; moving it fills the bucket completely.



TRILATERAL BED

Loading bed with hydraulic lifting on the three sides controlled by a single-lever distributor.

The elevated front tipping angle allows for ideal unloading even uphill.

Manually move the reference pin to select the type of unloading.



Bed inner dimensions
1500x1000x350 mm



KUBOTA 15.2 KW ENGINE

The engine, abundantly oversized for the machine features, is housed under a large bonnet that can be opened and allows easy and convenient access to all the transmission, engine, and hydraulic system parts for safe, proper maintenance.

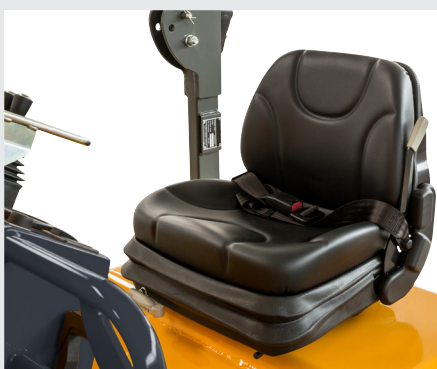


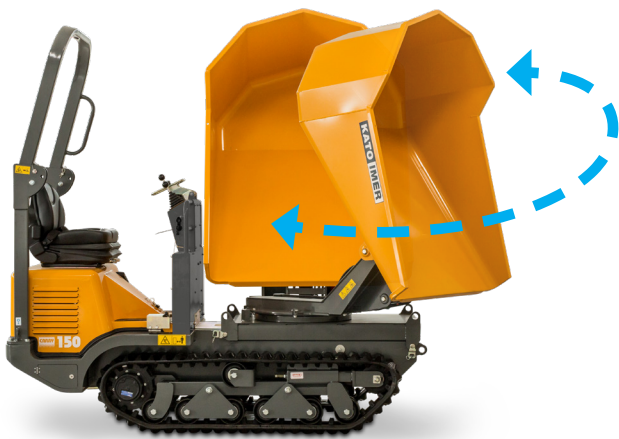
SIMPLE, INTUITIVE CONTROLS

Two electrically selectable speeds. Servo-assisted control hydrostatic pumps. Hydrostatic steering with the option of countersteering around the centre of the machine. Negative hydraulic mechanical parking brake.

DESIGNED WITH THE OPERATOR IN MIND

Operator seat in central rear position with damped, adjustable seat; access from both sides.





180° SWIVELLING SKIP

Bucket with 180° trilateral unloading with hydraulic lift and swivel. Locking valve on swivel. The rounded shapes are particularly suited to handling inert materials, soil and other resulting materials.



HI-TIP SKIP

Variable height front loading/unloading bucket. The scissor lifting structure that can be raised up to 1963 mm makes it possible to unload even onto large containers and lorries.

ROPS-FOPS operator protection

Unloading height 1963 mm





CONCRETE MIXER KIT

Concrete mixer with adjustable rotation speed to optimise the mixture. The barrel is lifted hydraulically for safe, complete unloading. The loading shovel, integrated into the mixing barrel lifting frame, allows it to be filled conveniently and safely.

TANK FOR LIQUIDS



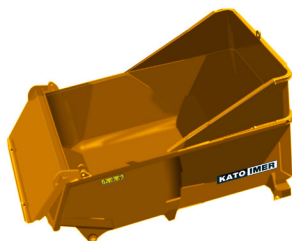
UNDERCARRIAGE

Modular structure frame made of a drive unit installed on a single frame to receive various equipment. Oscillating roller undercarriage with rubber tracks suitable for high speeds. The considerable height from the ground allows the machine to move easily over unpaved roads and particularly rugged terrain.



MINI-DUMPERS 1500 / 2300 KG

SKIP FOR CONSTRUCTION



SELF-LOADING SHOVEL



TRILATERAL BED



180° SWIVELLING SKIP



HI-TIP SKIP



CONCRETE MIXER WITH SELF-LOADING SHOVEL



TANK FOR LIQUIDS



TECHNICAL FEATURES

CARRY150 180° swivelling skip

Engine	Kubota D902 diesel water-cooled 898 cc 3-cylinder (15.2 kW / 3200 rpm)
Undercarriage weight	860 kg
Operating weight without shovel	1330 kg
Operating load	1500 kg
Loading capacity: struck / heaped / liquid (SAE standard)	0,63 / 0,82 / 0,37 m ³
Battery	12 V - 60 Ah
Transmission	hydrostatic
Variable capacity piston transmission pumps	2 x 35 L / min
Gear service pump	1 x 27 L / min
Max service operating pressure	170 bar
Hydraulic power take-off	20 L / min - 170 bar (std.)
Maximum speed	4 / 7.5 km / h
Max allowed slope when empty	32° - 62% (variable based on the configuration)
Max allowed slope when loaded	32° - 62% (variable based on the configuration)
Steering system	independent tracks
Rubber track tensioning	spring + adjustment screw type
Track width	230 mm
Empty / loaded specific ground pressure	0.20 / 0.47 kg / cm ²
Fuel tank capacity	24 L
Hydraulic oil tank capacity	25 L

CARRY230

ALL-TERRAIN CRAWLER CARRIER

Crawler dumper with closed circuit hydrostatic transmission, variable displacement axial piston pumps and a dual speed axial piston motor for each track.

The Carry 230 dumper is equipped with a TIER4 engine with a rated output of 18.5 kW at 2300 rpm.



VERSATILE AND POWERFUL

The Carry 230 dumper has two electrically selectable speeds via with a button on the joystick. The mechanical parking brake features negative hydraulic control for stops on steep gradients; application of the brake inhibits the levers pilot signal.



Ground clearance of 250 mm makes it possible to negotiate dirt roads and rough terrain with ease



LONG LIFE TRACKED UNDERCARRIAGE

The tracked undercarriage is composed of oscillating rollers with taper roller bearings and long life seals; combined with the rubber crawler shoes, these characteristics allow the dumper to reach high travel speeds. The generous ground clearance makes it possible to negotiate dirt roads and rough terrain with ease.



TRACKS

Rubber crawler shoes 270 mm wide and 2300 mm in length ensure stability and perfect driving control. The machine has a hydrostatic independent track type steering system.



INTUITIVE CONTROLS

The controls are fully servo-assisted with a joystick located on the driving seat armrests, just like in the higher category models.

EASY MAINTENANCE KUBOTA 18.5 KW ENGINE

The KUBOTA V1505-E4B, TIER4 diesel engine is housed under a large bonnet that allows easy and convenient access to all components of the transmission and the hydraulic circuit for easy servicing of the machine.





180° SWIVELLING SKIP

The bucket features high load capacity 0.75 / 1.17 m³ (struck / heaped); the 180° swivel system with hydraulic lifting and rotation is operated by counteracting cylinders. The geometry of the skip is ideal for handling aggregate, soil and other excavation spoil.

HYDRAULIC POWER TAKE-OFF

The machine can be fitted / retrofitted with a 32 l / min 170 bar hydraulic power take-off.





OPTIONAL

The self-loading shovel is available as an optional accessory.

SKIP WITH (WITHOUT) SELF-LOADING SHOVEL

The bucket with loading shovel mounted on the bucket allows manoeuvres in complete safety; movement of shovel allows the bucket to be filled completely.



TECHNICAL FEATURES

CARRY230 180° swivelling skip

Engine	Kubota V1505-E4B 4-cylinder water-cooled 1498 cc diesel (18.5 kW / 2300 rpm)
Max torque at 1700 rpm	8.01 daNm
Operating weight	2200 kg
Operating load	2300 kg
Load capacity: struck / heaped / liquid (SAE standard)	0.90 / 1.17 / 0.72 m ³
Transmission	hydrostatic
Variable displacement piston transmission pumps	2 x 41 l / min
Gear service pump	1 x 24 l / min
Max travel operating pressure	350 bar
Max services operating pressure	180 bar
Max speed	3.7 / 7.5 km / h
Max allowed slope when loaded	37° - 76%
Independent track steering system	hydrostatic
Rubber track tensioning	grease
Track width	270 mm
Empty / loaded specific ground pressure	0.308 / 0.588 kg / cm ²
Fuel tank capacity	26 l
Hydraulic reservoir capacity	20.5 l

features

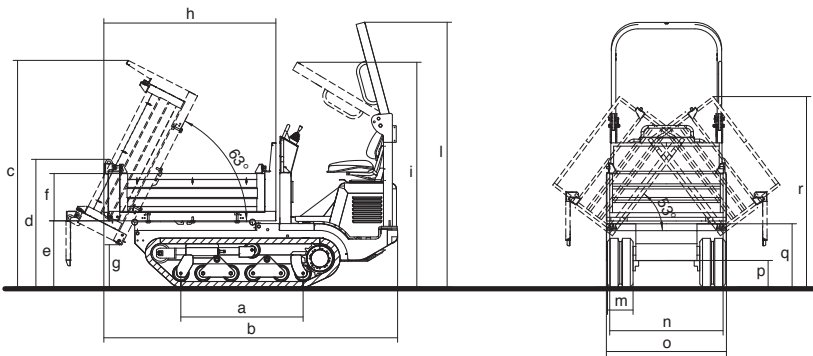
150

230

FLOW RATE		
Operating load	1500 kg (1000 kg hi-tip)	2300 kg
FEATURES AND DIMENSIONS		
Width (fixed undercarriage)	1060 mm	1300 mm
Undercarriage length	1760 mm	2937 mm
Length with skip/shovel	3160 / 2585 mm	3233 mm
Height to controls	1450 mm	-
Minimum ground clearance	240 mm	250 mm
Crawler tensioning system	spring	grease
Rollers per side	6	6
Rubber shoes width	230 mm	270 mm
Track length	1100 mm	2300 mm
ENGINE		
Engine options - Power rating	Kubota D902 water-cooled 898 cc 3-cylinder diesel (15.2 kW / 3200 rpm)	Kubota V1505-E4B 4-cylinder water-cooled 1498 cc diesel (18.5 kW / 2300 rpm)
1st-2nd travel speed	4 / 7.5 km / h	3.7 / 7.5 km / h
Maximum allowed slope when empty	32° - 62%	-
Maximum allowed slope when fully loaded	32° - 62%	37° - 76%
HYDRAULIC SYSTEM		
Controls	Servo-assisted hydraulic control	Servo-assisted hydraulic control
Variable displacement pumps	(piston pump) 2 x 35 L / min	2 x 41 L / min
Variable displacement set pressure	27 MPa (275 kgf / cm ²)	35.0 MPa (357 kgf / cm ²)
Fixed displacement gear pumps	(gear service pump) 1 x 27 L / min	1 x 24 L / min
Set pressure	17 MPa (173 kgf / cm ²)	18.0 MPa (184 kgf / cm ²)
Hydraulic tank capacity	25 L	20.5 L
Auxiliary one-way Hi Flow power take-off (Opt)	20 L / min - 170 bar (std.)	32 L / min - 170 bar (opt.)
Traction motor	Wheel drive (axial motor + reduction gear) with brake motor (parking)	Wheel drive (axial motor + reduction gear) with brake motor (parking)
ELECTRICAL SYSTEM		
Batteries	12V - 60 Ah	12V - 60 Ah
ACCESSORIES		
Skip capacity	0.63 / 0.82 / 0.37 m ³ struck / heaped / liquid (norma SAE)	0.90 / 1.17 / 0.72 m ³ struck / heaped (SAE standard)
Self-loading shovel	double arm	double arm
Load bed (closed sides) dim. W x D x H	1550 x 1080 x 425 mm	-
Concrete mixer kit total volume	360 L	-
Concrete mixer kit total yield	290 L	-
Self-loading shovel for concrete mixer	with concrete mixer	-
WEIGHT		
Basic machine without accessories	860 kg	1700 kg
Skip-shovel operating weight (excluding operator)	1280 / 1135 kg (with / without shovel)	2200 / 2500 kg
Concrete mixer kit / with self-loading shovel	320 kg	-
Hi-Tip kit with skip and self-loading shovel	1560 / 1420 kg (with / without shovel)	-
Trilateral unloading bed	320 kg	-

CARRY150

trilateral bed

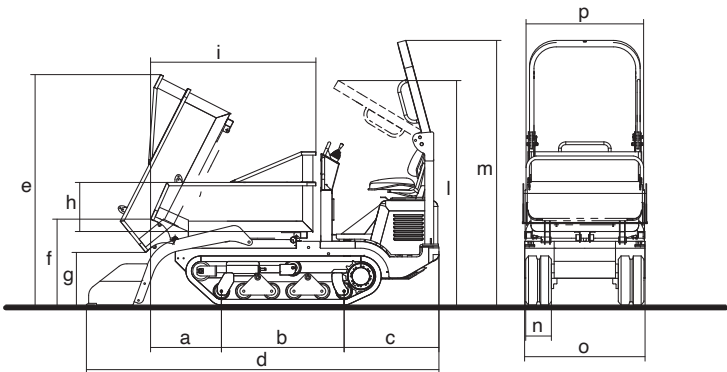


DIMENSIONS (mm)

a	b	c	d	e	f	g	h	i	l	m	n	o	p	q	r
1100	2640	2040	1150	596	425	380	1547	2022	2372	230	1020	1080	240	570	1720

CARRY150

skip for construction with self-loading shovel

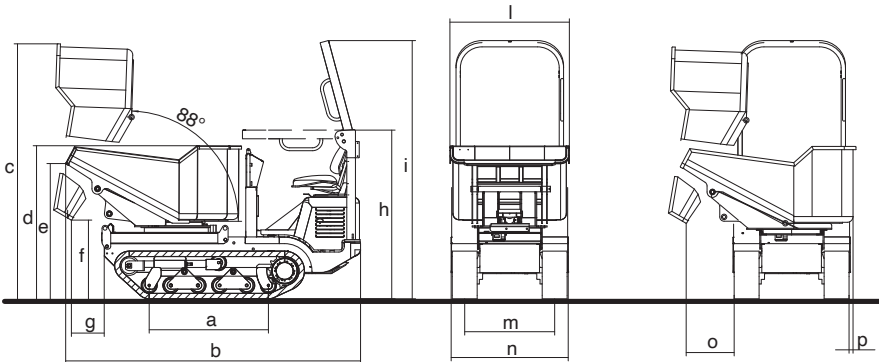


DIMENSIONS (mm)

a	b	c	d	e	f	g	h	i	l	m	n	o	p
635	1100	850	3160	2070	770	472	440	1482	2022	2372	230	1060	1054

CARRY150

180° swivelling skip

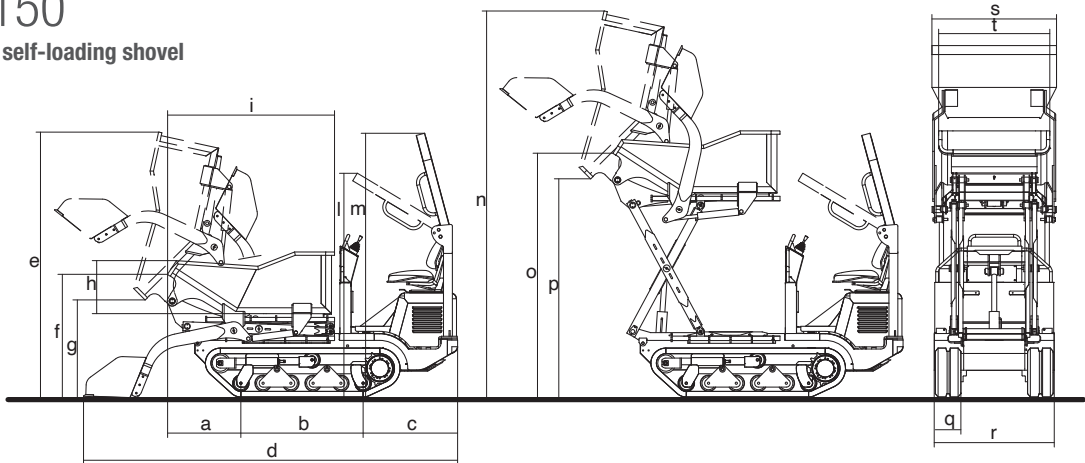


DIMENSIONS (mm)

a	b	c	d	e	f	g	h	i	l	m	n	o	p
1100	2720	2352	1412	1248	726	303	1556	2382	1102	830	1060	443	40

CARRY150

hi-tip skip with self-loading shovel

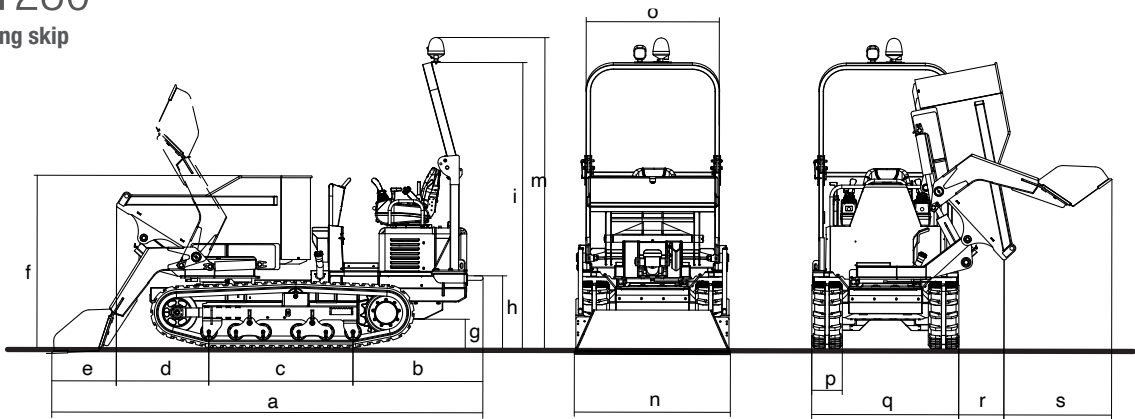


DIMENSIONS (mm)

a	b	c	d	e	f	g	h	i	l	m	n	o	p	q	r	s	t
659	1100	850	3365	2383	1104	873	477	1500	2022	2372	3472	2193	1963	230	1060	1121	1000

CARRY230

180° swivelling skip

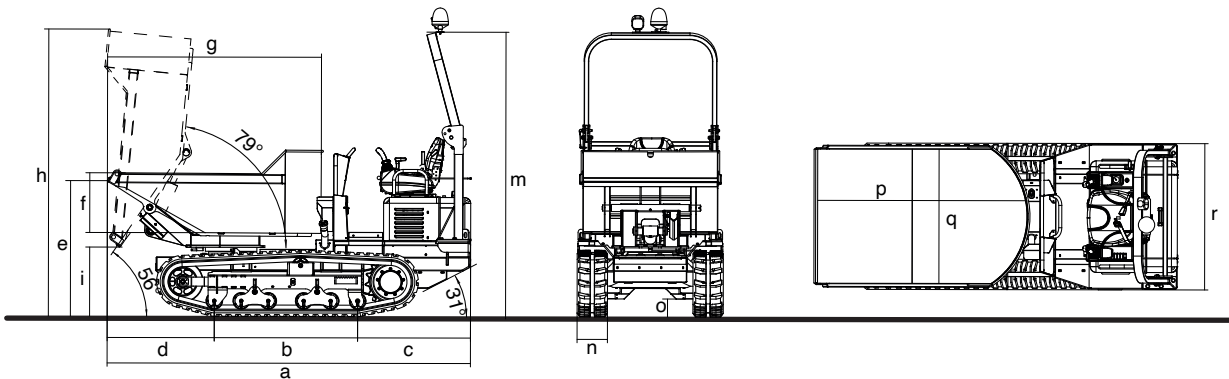


DIMENSIONS (mm)

a	b	c	d	e	f	g	h	i	m	n	o	p	q	r	s
3812	1150	1275	818	570	1517	252	637	2523	2744	1380	1177	270	1300	400	953

CARRY230

skip with shovel



DIMENSIONS (mm)

a	b	c	d	e	f	g	h	i	m	n	o	p	q	r
3232	1275	1004	953	1204	531	1903	2550	613	2530	270	159	1863	1192	1300

equipment	150	230
Skip prearranged for installation of self-loading shovel	opt	opt
Skip with rounded corners to facilitate material unloading	std	std
Wheel bearings with dust shield	std	std
Hardened drive sprockets for extended lifetime	std	std
Self Tension Crawler System (STCS)	std	std
Shovel arms with double attachment yoke	std	-
Tipping accessories support frame; rapid accessories changeover	std	-
Steel bushings with grease nipples at pivot points	std	std
Removable engine bonnet for improved access for checks, servicing and refuelling	std	std
Standard power take-off, 14 l / min flow rate	std	-
Standard power take-off, 20 l / min flow rate	std	-
Standard power take-off, 32 l / min flow rate	-	std
Bi-directional/mono-directional power take-off for demolition hammer	std	-
Exhaust with elbow for discharge towards the ground	std	std
Cartridge air filter with visual clog indicator	std	std
Combined water/oil cooler	std	opt
Self-loading shovel kit	opt	opt
Hour meter-rev counter kit	std	std
26 l / min Hi-Flow kit for demolition hammer, water drain pump, hydraulic hole diggers. Can be used exclusively with machine stationary	std	-
Concrete mixer kit with or without self-loading shovel	opt	-
Skip for construction with or without self-loading shovel	opt	opt
Bed with fold-down sides	opt	-
Bed with three opening sides and trilateral unloading	opt	-
Trilateral skip	-	std



KATO IMER S.p.A.

53037 San Gimignano (SI) Loc. Cusona - Italy
Telephone: +39 0577 951 21 - Fax: +39 0577 982 400
info@katoimer.com | www.katoimer.com