



# CINGO

## Tracked Carriers

M500  
M700TD  
M8.3TD-EVO

M8.3EVO  
M12.3EVO  
M12.3EVO HANDER 400

 **MERLO**

# CINGO Tracked Carriers

CINGO tracked carriers are compact and highly manageable machines, designed to work in tight spaces. Their low centre of gravity guarantees maximum transversal stability on slopes, while their tracks allow for lower ground pressure and a better grip on deformed and irregular terrain.

The versatility and multi-purpose qualities of the CINGO system are unique: the patented quick-coupling device allows for the use of countless different attachments.

The wide range available includes models with capacities of 400 kg to 1200 kg, and consists of three types of machines:

- ✓ **TRANSPORTERS:** mini operating machines for the transport and loading of materials
- ✓ **MULTIFUNCTION MACHINES:** mini operating machines equipped with Merlo's patented quick-coupling device, capable of being paired with countless attachments
- ✓ **UNIVERSAL TOOLBOX:** The CINGO M4.3 Turbo is equipped with a solid attachment connector, not compatible with the patented quick-coupling device





## Winning Innovations

CINGO model machines are tireless and versatile, and are specifically designed for the maintenance of green areas (grass mowing, twig shredding and pruning), road and forest cleaning, winter road maintenance, agricultural and livestock activities, as well as construction work (excavation, transport, concrete mixing, etc.).

Safe and reliable for countless applications, the CINGO models are manageable and easy to drive thanks to their hydraulic controls and hydraulic or hydrostatic transmissions. They're even capable of operating in confined spaces. In fact, all the various models have a compact width, and can turn in place thanks to the counter-rotation of the tracks!

**All the "EVO" series machines, driven by hydrostatic transmissions, are now equipped with hydraulic servo-assisted transmission controls. A 70% reduction of the force needed to operate the levers greatly improves the driving comfort. Driving precision is also enhanced. There are also major advantages for maintenance, as this system no longer requires periodical adjustments.**

# CINGO Transporter Models

## Indispensable for material transport and handling operations

### CINGO M500 MINI SERIES

This mini dumper, available in three versions (dumper, dumper with self-loading bucket, small agricultural dumper) is a handy, compact and safe transporter, which offers superior class features, such as orbital hydraulic motors for maximum traction and *overcenter* valve, which allows you to control the uphill/downhill speed with the machine loaded.

Among the easy and intuitive controls are the parking brake with manual control, and an optional digital hour metre and tachometer display.



### CINGO M500 TECHNICAL DATA

PERFORMANCE		TRANSMISSION AND HYDRAULIC SYSTEM		WEIGHT AND DIMENSIONS	
Maximum capacity	500 kg	Transmission type	Hydraulic	Weight	210/230 kg
Petrol engine	Honda 5.5 HP	Hydraulic transmission pumps	Orbital	Width	690 mm
Ignition	Manual pull start	Service pump	-	Length	1470 mm
Maximum speed	3.5 km/h				



## CINGO M700TD

This compact transporter is equipped with hydraulic transmission with gear pumps and hydraulic gear motors with the possibility of moving at double speed.

Excellent performance and maximum safety are also guaranteed by the *overcentre* valve for controlling speed on slopes.

Replacing the attachments available for this transporter model is facilitated by the possibility of placing the attachment on the ground with four support feet.



### CINGO M700TD TECHNICAL DATA

PERFORMANCE		TRANSMISSION AND HYDRAULIC SYSTEM		WEIGHT AND DIMENSIONS	
Maximum capacity	700 kg	Transmission type	Hydraulic	Weight	480 kg
Petrol engine	Honda 12 HP	Hydraulic transmission pumps	Gear motors	Width	750 mm
Ignition	Electrical	Service pump	Gears 6 cc	Length	1500 mm
Two speeds	2.5 - 4 km/h				

## CINGO M8.3TD-EVO

The hydrostatic system, with hydraulic servo-assisted controls, also allows you to manage the speed up to a maximum of 4 km/h. It also allows you to control the steering with ease and micrometric precision for work accuracy and driving safety.



### CINGO M8.3TD-EVO TECHNICAL DATA

PERFORMANCE		TRANSMISSION AND HYDRAULIC SYSTEM		WEIGHT AND DIMENSIONS	
Maximum capacity	800 kg	Transmission type	Hydrostatic	Weight	510 kg
Diesel Engine	Kubota 17 HP	Hydraulic transmission pumps	Gear motors	Width	800 mm
Ignition	Electrical	Service pump	Gears 8 cc + 2.5 cc	Length (with dumper body)	1800 mm
Maximum speed	4 km/h				

# CINGO Multifunction Models

## Multifunction system, versatility for every sector

The versatility and multi-purpose qualities of the CINGO system are unique. The quick attachment coupling device equips the sturdy tracked truck with two strong steel booms. This hydraulically controlled coupling system is patented and allows the rapid and simple replacement of innumerable attachments.

### CINGO M8.3EVO

Thanks to its compact size, the CINGO M8.3EVO is a multifunction machine ideal for working in confined spaces. The 17HP diesel engine and the high angle of contact of the tracks allow the machine to overcome obstacles, guaranteeing versatility and functionality in all work situations. As with all CINGO models equipped with hydrostatic transmission with gear motors, the integrated parking brake allows for excellent dynamic braking, guaranteeing a lower stopping distance, and therefore greater safety. The hydraulic servo-assisted controls also allow the speed to be regulated from a few metres per hour up to a maximum of 4 km/h, and the steering to be controlled with ease and micrometric precision.

#### CINGO M8.3EVO TECHNICAL DATA

PERFORMANCE		TRANSMISSION AND HYDRAULIC SYSTEM		WEIGHT AND DIMENSIONS	
Maximum capacity	800 kg	Transmission type	Hydrostatic	Weight	510 kg
Diesel Engine	Kubota 17 HP	Hydraulic transmission pumps	Gear motors	Width	800 mm
Ignition	Electrical	Service pump	Gears 8 cc + 2,5 cc	Length	1600 mm
Maximum speed	4 km/h	Maximum system flow rate (auxiliary circuit)	27 l/min		





## CINGO M12.3EVO

The CINGO M12.3 EVO, equipped with gear motors and integrated parking brake, is the largest and most versatile multifunction machine.

It is equipped with a powerful 21HP diesel engine and suitable tracks that allow it to operate in any terrain condition, thanks to excellent ground contact. Ideal in hilly and mountain areas where the compact size, low centre of gravity and remarkable traction allow you to work effectively and safely.

The hydrostatic system, with hydraulic servo-assisted controls, also allows you to manage the speed from a few metres per hour up to a maximum of 5km/h. It also allows you to control the steering with ease and micrometric precision for work accuracy and driving safety.



### CINGO M12.3EVO TECHNICAL DATA

PERFORMANCE		TRANSMISSION AND HYDRAULIC SYSTEM		WEIGHT AND DIMENSIONS	
Maximum capacity	1.200 kg	Transmission type	Hydrostatic	Weight	720 kg
Diesel Engine	Kubota 21 HP	Hydraulic transmission pumps	Gear motors	Width	1.000 mm
Ignition	Electrical	Service pump	Gears 8 + 2,5 cc	Length	1.800 mm
Maximum speed	5 km/h	Maximum system flow rate (auxiliary circuit)	27 + 8 l/min		

# Handler 400 Attachment

The CINGO system attachments are the winning idea that led to a new concept of versatility for tracked transporters. There are countless work tools available for each model, offering numerous innovative technological features designed to increase their usage potential, enhance their versatility, and optimise their use in every field: from construction to agriculture, recycling and horticulture.

It only takes a few seconds to connect the desired equipment in order to quickly and effectively tackle any need that may arise in terms of lifting, excavating, transporting, loading and unloading, and precision handling operations.

## HANDLER 400

This exclusive Handler attachment, which is completely interchangeable with every other accessory designed for the multifunction system, transforms your unit into a real compact telehandler.

The attachment is designed to be mounted on the CINGO M12.3EVO model.

While the standard Handler 400 comes with a fork attachment, a wide range of other attachments (shovels, fork with grab, log grapple, hedge trimmer, etc.) for excavating, lifting, carrying and cutting can also be mounted on the telescopic boom whenever necessary.

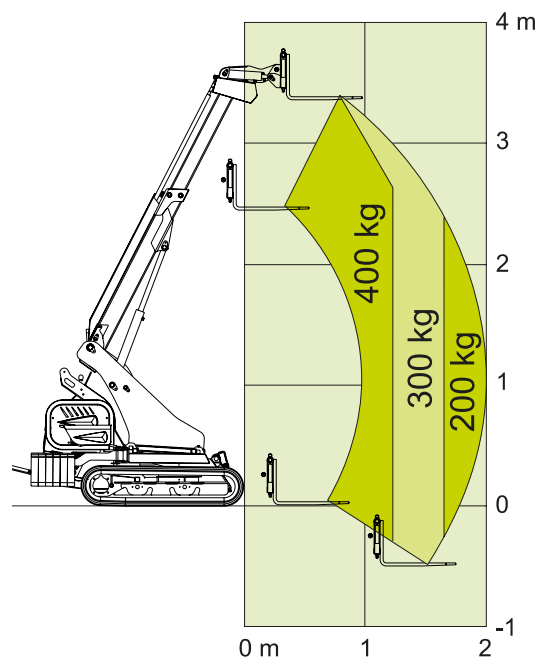
### HANDLER 400 TECHNICAL DATA

Maximum load capacity (kg)	400
Handler attachment weight (kg)	680 (without the machine)
Lift height (m)	3.4
Kubota Diesel Engine (HP)	21
Maximum speed (km/h)	4.9
Transmission	Hydrostatic
Boom controls	Electromechanical joystick
Front hydraulic stabiliser	Standard
Double pump and auxiliary service line	Standard

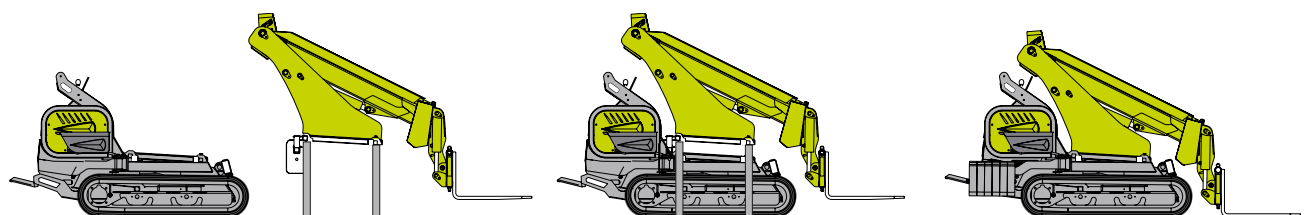
### HANDLER 400

The Handler 400's maximum load capacity with the boom retracted amounts to 400 kg (including the fork attachment).

The attachment is equipped with an anti-tipping system in order to ensure maximum operator safety.



### Attachment assembly sequence







## HANDLER 400

IMPLEMENT-HOLDER FRONT CARRIAGE WITH MANUAL LOCK

.....

TELESCOPIC BOOM SLIDING ON ADJUSTABLE ANTI-FRICTION PADS

.....

REMOVABLE MULTIFUNCTION ARMS OF MERLO'S EXCLUSIVE PATENTED QUICK-COUPLING SYSTEM, DESIGNED FOR USE WITH COUNTLESS TYPES OF ATTACHMENTS

.....

CONVENIENT ELECTROMECHANICAL JOYSTICK CONTROLS

.....

POWERFUL 21 HP DIESEL ENGINE

.....

STURDY RUBBER TRACK AND RUNNING GEAR WITH OSCILLATING ROLLERS

.....

HYDROSTATIC TRANSMISSION WITH HYDRAULIC GEAR MOTORS AND BUILT-IN PARKING BRAKE

.....





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## LIST OF ATTACHMENTS

CINGO TRANSPORTER MODELS	M500*	M800TD	M8.3TD EVO
Dumper body	X	X	X
Dumper body with self-loading bucket	X	X	X
Dumper body with openable sideboards	X	X	X
300-litre concrete mixer		X	X
300-litre concrete mixer with self-loading bucket		X	X
Front blade		X	X
High-capacity dumper body with front sideboard		X	X
High-capacity Dumper body with front sideboard and self-loading bucket		X	X
Dumper body with high unloading and self-loading bucket		X	X
Manual 20 kg hydraulic hammer		X	X

\* the attachments are not interchangeable for the M500 mini series

CINGO MULTIFUNCTION MODELS		M8.3EVO	M12.3EVO
<i>Attachments for the construction and earth-moving sectors</i>			
Dumper body		X	X
Dumper body with self-loading bucket		X	X
Dumper body with high unloading		X	X
300-litre concrete mixer		X	X
300-litre concrete mixer with self-loading bucket		X	X
Manual hydraulic hammer - 20 kg		X	X
Dumper body with openable sideboards and trilateral tipping		X	X
<i>Attachments for agriculture, forestry and green areas</i>			
Dumper body with openable sideboards and agricultural flat bed		X	X
Shredder for shrubs, grass and stalks		X	X
Soil tiller		X	X
Auger		X	X
Lift carrier with forks		X	X
Pallet transporter		X	X
Lift carrier with forks and crate presses for hive boxes		X	X
Winch			X
Chipper		X	X
Snow blower		X	X
Front blade with hydraulic positioning		X	X
Snow plough		X	X
<i>Handler 400 ATTACHMENTS and accessories</i>			
HANDLER 400 - telescopic boom complete with forks			X
Bucket for Handler 400			X
4x1 bucket for Handler 400			X
Fork with grab for Handler 400			X

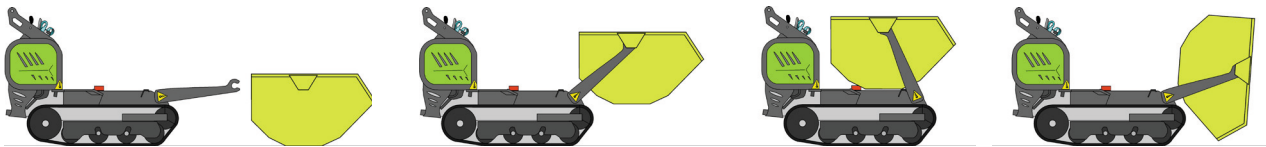
# Multifunction System Attachments

With the multiple attachments available, the CINGO becomes a highly efficient and productive machine that's capable of significantly reducing costs for numerous different activities where specific machines are normally utilised.

The excellent features and performance of CINGO attachments and their total compatibility are derived from an integrated design and an exclusive production process.

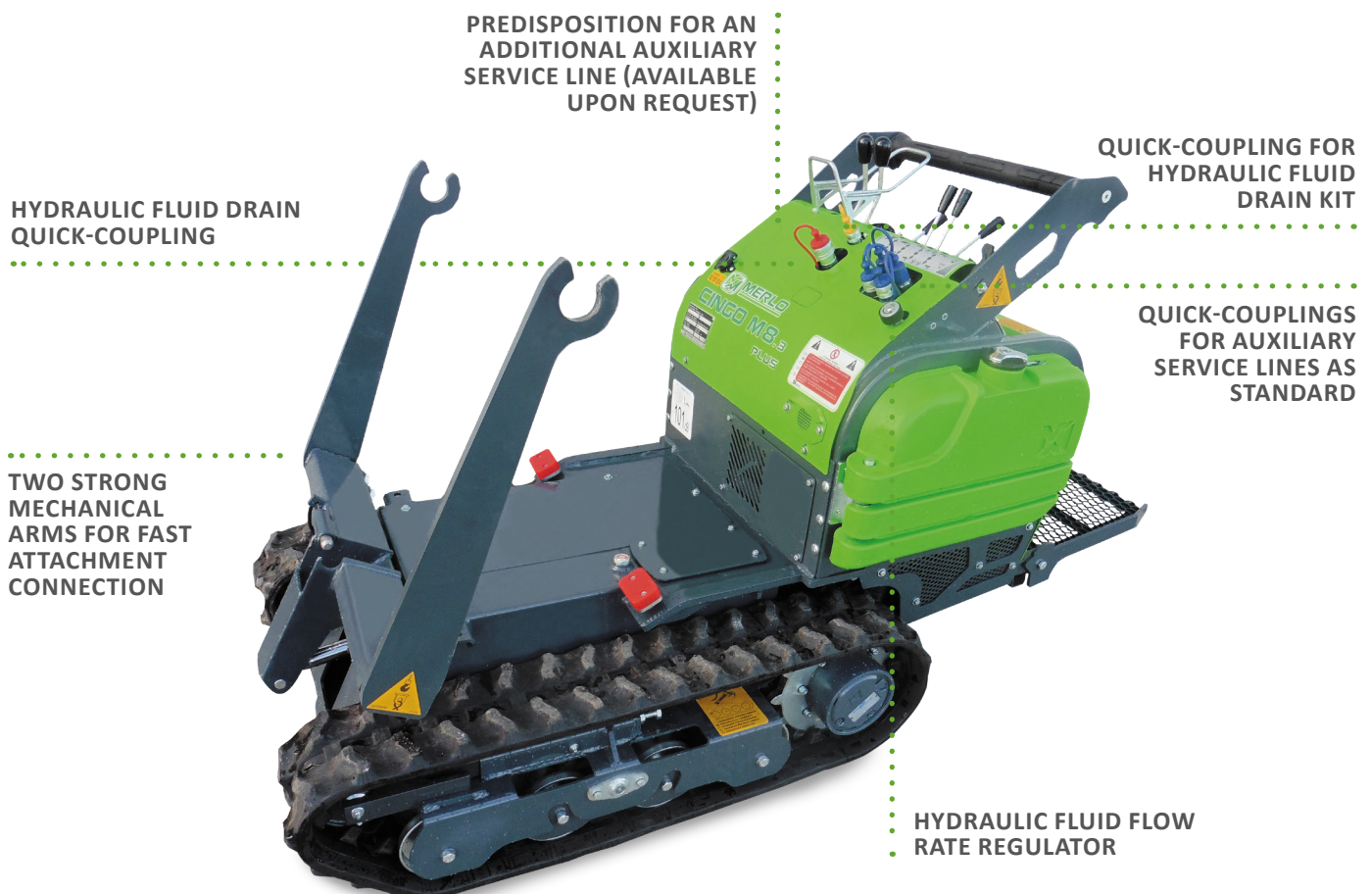
## Patented device

What makes the CINGO system so versatile and unique is the complete interchangeability of the countless attachments.



The patented device for rapid attachment connection, which equips the truck with two strong mechanical arms, is the technological base of the CINGO Multifunction. Most of the Multifunction system's attachments are compatible with this device.

## HYDRAULICALLY CONTROLLED QUICK-COUPLING DEVICE





### Dumper

Ideal for transporting bulk materials and for precision unloading. Compatible with the quick-coupling system.

	M 8.3EVO	M 12.3EVO
Dumper capacity (l)	400	550
Load capacity (kg)	730	1100
Width (mm)	800	920



### Dumper with self-loading bucket

The advantage of having the front bucket with hydraulic lifting for loading the material. Compatible with the quick-coupling system.

	M 8.3EVO	M 12.3EVO
Dumper capacity (l)	400	550
Load capacity (kg)	655	980
Bucket capacity (l)	80	90
Width (mm)	970	1080



### Dumper body with high unloading

The ability to efficiently transport aggregates, combined with the versatility of unloading at heights. Compatible with the quick-coupling system.

	M 8.3EVO	M 12.3EVO
Dumper capacity (l)	400	400
Load capacity (kg)	610	1010
Width (mm)	850	850
Height of the obstacle (mm)	1300	1300



### Trilateral tipper

The versatility of a tipper body with movable tipping sideboards on three sides.

	M 8.3EVO	M 12.3EVO
Load capacity (kg)	710	1100
Width (mm)	750	920
Length (mm)	1050	1250
Height of the sideboards (mm)	450	450



### Tipper body with sideboards

The versatility of a tipper body with movable sideboards, which can become an integral part of the loading surface if necessary, thus increasing its surface area.

	M 8.3EVO	M 12.3EVO
Load capacity (kg)	720	1100
Width with sideboards closed (mm)	800	1000
Width with horizontal sideboards (mm)	1445	1650
Height of the sideboards (mm)	300	300



### Bush cutter

Ideal for shredding pruning clippings, stalks, small shrubs and for cleaning embankments and paths. Compatible with the quick-coupling system.

	M 8.3EVO	M 12.3EVO
Working width (mm)	800	1000



### Auger

For drilling precision holes in the ground for poles, supports, or small trees. Compatible with the quick-coupling system.

	M 8.3EVO	M 12.3EVO
Hole diameter (mm)	200	200
Maximum working depth (mm)	800	800



### Chipper

Indispensable for shredding pruning clippings and other wooden materials, with the advantage of total mobility. Compatible with the quick-coupling system.

	M 8.3EVO	M 12.3EVO
Maximum branch diameter (mm)	110	110



### Mower

An advanced hydraulically-operated system for precision mowing. The bar's floating function allows the mowing to be carried out following the contours of the ground. Compatible with the quick-coupling system.

	M 8.3EVO	M 12.3EVO
Cutterbar width (mm)	1300	1300



### Agricultural tiller

This attachment allows the seedbed to be prepared under any slope conditions in gardens, vegetable gardens, greenhouses, vineyards, orchards, and medium-sized parcels of land. Compatible with the quick-coupling system.

	M 8.3EVO	M 12.3EVO
Working width (mm)	800	1000



### Hi-Tip Bucket

The M700TD with optional self-loading bucket attachment will easily clear the height of a standard skip.

	M700TD
Load capacity (kg)	500
Maximum tip height (mm)	1472
Maximum forward tip (mm)	341



### Winch with loading platform

The advantage of pairing a powerful hydraulic pulling system with a versatile means of transport. Ideal for use in the forestry sector.

	M 12.3EVO
Maximum load capacity (kg)	1000
Maximum pull force (kg)	1500
Cable length (m)	50



### Manual hydraulic hammer

For carrying out small or large demolition operations with maximum precision and effectiveness.

	M 8.3EVO	M 12.3EVO
Tool mass (kg)	20	20



### Concrete mixer

Designed for mixing concrete in the required quantities, whenever and wherever needed. Compatible with the quick-coupling system.

	M 8.3EVO	M 12.3EVO
Concrete mixer capacity (l)	350	350
Concrete yield (l)	300	300
Attachment width (mm)	1050	1050



### Concrete mixer with self-loading bucket

Helps increase productivity by directly loading the aggregates. Compatible with the quick-coupling system.

	M 8.3EVO	M 12.3EVO
Concrete mixer capacity (l)	350	350
Concrete yield (l)	300	300
Bucket capacity (l)	40	40
Attachment width (mm)	1050	1050





### Lift carrier with forks

Ideal for precision handling operations when high lifting capacities are required. Compatible with the quick-coupling system.

	M 8.3EVO	M 12.3EVO
Maximum load capacity (kg)	200	400
Lift height (mm)	1600	1800



### Telehandler

An agile work tool that can be equipped with various types of attachments (shovels, forks, grapples, buckets, etc.) for excavating, lifting, loading, transporting, and handling operations. Compatible with the quick-coupling system.

	M 12.3EVO
Maximum load capacity (kg)	400
Lift height (mm)	3400



### Snow blower

This hydraulically-operated unit features a turbine ejector with a manually selectable continuous spray direction. Compatible with the quick-coupling system.

	M 8.3EVO	M 12.3EVO
Working width (mm)	800	1000



### Snow plough

Hydraulic orientation, suitable for snow removal. It is equipped with an anti-shock system with spring return, which allows for easy use while avoiding problems on uneven ground. Wear-resistant steel scraper.

	M 8.3EVO	M 12.3EVO
Blade width (mm)	1300	1300
Blade height (mm)	470	470
Blade angle (degrees)	±30	±30



### Front blade

Easy to operate and ideal for cleaning stalls, piling loose materials, and levelling areas of ground.

	M 8.3EVO	M 12.3EVO
Blade width (mm)	1100	1300
Blade height (mm)	470	470
Blade angle (degrees)	±18	±18

MODELS			M500	M700 TD
SUBGROUP			TRANSPORTER	TRANSPORTER
PERFORMANCE - DIMENSIONS	Maximum capacity	kg	500	700
	Machine weight	kg	210/230	480
	Maximum length	mm	1471	1500
	Maximum width	mm	690	750
	Maximum height	mm	1125	1175
	Fixed / variable track width		FIXED	FIXED
	Distance off the ground/Ground clearance	mm	115	120
	Max. longitudinal slope		35%	35%
	Max. cross slope		20%	20%
	Maximum speed	km/h	3.5	4
ENGINE	Engine	Make	Honda	Honda
	Model	Number	GX 200	GX 390
	Fuel		Petrol	Petrol
	Cylinder no.		1	1
	Displacement	cc	196	389
	Max. engine speed	rpm	3850±100	3600
	Power		4.1 kW / 3600 rpm	12HP
	Max. torque		12.4 Nm / 1.26 Kgfm / 2500 rpm	26.5 Nm
	Ignition		Manual pull start	Manual pull start/Electric
	Engine cooling		Air	Air
	Fuel tank	l	3.1	6.1
	Fuel consumption	l/h 3600 rpm	1.7	3.5
	Battery	V/Ah	-	12 V
TRANSMISSION	Transmission type		Hydraulic	Hydraulic
	Pump	cc	3.2 + 3.2	4.27+4.27
	Flow	l/min	11.5+11.5	14+14
	Hydraulic motor		Orbital	Gear motor
	Maximum operating pressure	bar	150	160
	Controls / Levers		Hydraulic	Hydraulic
	Operator's console		On the ground	On the ground / Platform
	Parking brakes		Manual	Automatic Fast second gear
TRACKS	Type		Rubber	Rubber
	Dimensions		160x72x33	180x72x36
	Rollers per side		3	4
HYDRAULIC CIRCUIT	Service pump	cc	-	Gear 6
	Auxiliary circuit oil flow rate	l/min	-	20
	Maximum pressure	bar	-	180
	Service and transmission oil tank	litres	21	18
	Auxiliary circuit oil cooling		No	Yes
	Service lines		2	4
	Levers		-	-
	Auxiliary services control valve		No	-
MULTIFUNCTION - QUICK-COUPLING			No	No

<b>M8.3TD EVO</b>	<b>M8.3 EVO</b>	<b>M12.3 EVO</b>	<b>HANDLER 400</b>
<i>TRANSPORTER</i>	<i>MULTIFUNCTION</i>	<i>MULTIFUNCTION</i>	
800	800	1200	400
510	510	720	720
1800	1620	1800	1830
800	800	1000	1000
1175	1175	1144	3400
FIXED	FIXED	FIXED	FIXED
120	100	110	110
35%	35%	35%	35%
20%	20%	20%	20%
4	4	5	5
Kubota Z602E Diesel 2 600 3600 12.5 kW / 3600 rpm 38 Nm / 3600 rpm Electrical Liquid-type 14 2.8 12 V	Kubota Z602E Diesel 2 600 3600 12.5 kW / 3600 rpm 38 Nm / 3600 rpm Electrical Liquid-type 14 3.5 12 V	Kubota D722 Diesel 3 720 3600 14.9 kW / 3600 rpm 46 Nm / 2600 rpm Electrical Liquid-type 14 4 12 V	Kubota D722 Diesel 3 720 3600 14.9 kW / 3600 rpm 46 Nm / 2600 rpm Electrical Liquid-type 14 4 12 V
Hydrostatic 11+11 38+38 Gear motor 160 Hydraulic On the ground / Platform Automatic / Manual Selector	Hydrostatic 11+11 38+38 Gear motor 160 Hydraulic On the ground / Platform Automatic / Manual Selector	Hydrostatic 13+13 45+45 Gear motor 200 Hydraulic On the ground / Platform Automatic / Manual Selector	Hydrostatic 13+13 45+45 Gear motor 200 Hydraulic On the ground / Platform Automatic / Manual Selector
Rubber 180x72x36 4	Rubber 180x72x36 4	Rubber 230x72x40 4	Rubber 230x72x40 4
Gears 8 + 2.5 27 + 8 180 18 Yes 8 - SD5/3 levers No	Gears 8 + 2.5 27 + 8 180 18 Yes 8 - SD5/4 levers + SD5/1 lever Yes	Gears 8 + 2.5 27 + 8 200 26 Yes 8 - SD5/4 levers + SD5/1 lever Yes	Gears 8 + 2.5 27 + 8 200 26 Yes 8 - SD5/5 levers + SD5/1 lever Yes



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