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CINGO multi-purpose transporters



CINGO multi-purpose transporters

The Cingo multi-purpose transporters are compact and easy-to-handle machines designed for working in tight spaces. In addition, the low centre of gravity ensures maximum lateral stability on slopes, and the tracks put less pressure on the ground, providing greater adherence on uneven and irregular terrain. The versatility and multi-tasking aspect of the Cingo system is unique: the patented device for rapid coupling allows numerous attachments to be used.

The wide range available includes models with capacities from 400 kg up to 1200 kg and there are three types of machine:

- ✓ **TRANSPORTERS:** mini operating machines for transporting and loading materials
- ✓ **MULTI-FUNCTION MACHINES:** mini operating machines for transporting and loading materials coupling (Merlo Patent) with numerous attachments that can be used with them
- ✓ **HANDLER 400:** the exclusive Handler system, coupled with a wide range of attachment suitable on the boom head, consists in a compact telescopic handler on tracks





Winning innovations

The Cingo are versatile and tireless machines, for maintaining green areas (mowing grass, trimming branches, pruning and clearing brushwood), road and forestry cleaning, snow clearing on roads, agricultural and animal husbandry businesses and in construction work (excavating, transport, concrete mixing).

Safe and reliable for numerous applications, the Cingo are easy to use and drive thanks to the hydraulic controls and the hydraulic or hydrostatic transmission.

Narrow passages are no problem: the width of the various models is smaller than normal apartment doors and they can all spin around thanks to the counter-rotation of the tracks.



CINGO transporter



CINGO M500 MINI RANGE

This mini dumper, which is available in three versions (tipper dumper, dumper with self-loading loader, agricultural small dumper) is an easy-to-handle transporter, which is particularly compact and safe and that provides the features of a higher class, like the orbital hydraulic motors for maximum traction and the *overcenter* valve that allows the speed of the machine with a load to be controlled going uphill/downhill. The intuitive and easy-to-use controls include the manual parking brake and the optional hour counter and tachometer digital display.



CINGO M500 TECHNICAL INFORMATION

PERFORMANCE		TRANSMISSION AND HYDRAULIC SYSTEM		WEIGHT AND DIMENSIONS	
Maximum capacity	500 kg	Type of transmission	Hydraulics	Weight	230 kg
Petrol engine	Honda 5.5 HP	Hydraulic pumps transmission	Orbital	Width	690 mm
Starting	Manual recoil	Services pump	-	Length	1470 mm
Maximum speed	3.5 km/h				

LIST OF ATTACHMENTS

CINGO TRANSPORTER MODELS	M500*
Tipper dumper	X
Tipper dumper with self-loading bucket	X
Tipper with openable sides and agricultural flatbed	X

* for the M500 mini range the attachments are not interchangeable



Upon request it is possible to add a digital hour counter/rev. counter display



CINGO multi-function models



Multi-purpose and multi-function system for all sectors

The Cingo has a uniquely versatile and multi-purpose system. The attachment quick coupling device equips the sturdy tracked carrier with two strong steel booms. This hydraulic controlled coupling system is patented and allows you to replace numerous attachments quickly and easily. The multi-functional Cingo are available in two models: M8.3PLUS and M12.3EVO. multi-function

CINGO M8.3PLUS

Thanks to its compact size, the Cingo M8.3Plus is the ideal multi-function machine for working in particularly narrow spaces.

The 17 HP diesel engine and the high attachment angle of the tracks allows the machine to overcome any obstacles, thereby ensuring maximum versatility in all work situations.

Like all the Cingo models fitted with hydrostatic transmission with gear motors, the integrated parking brake provides excellent dynamic braking, requiring less space for stopping and therefore high safety for the operator and greater precision in carrying out the work.

CINGO M8.3PLUS TECHNICAL INFORMATION

PERFORMANCE		TRANSMISSION AND HYDRAULIC SYSTEM		WEIGHT AND DIMENSIONS	
Maximum capacity	800 kg	Type of transmission	Hydrostatic	Weight	510 kg
Diesel engine	Kubota 17 HP	Hydraulic pumps transmission	Gear motors	Width	800 mm
Starting	Electric	Services pump	Gears 8 cc	Length	1600 mm
Maximum speed	5 km/h	Maximum system capacity (auxiliary circuit)	27 l/min		



CINGO M12.3EVO

The Cingo M12.3EVO, equipped with gear motors and integrated parking brake, is the larger and more versatile multi-function machine. Equipped with a powerful 21 HP diesel engine and with tracks that allow you to work on any terrain thanks to excellent contact with the ground. Ideal in hillside and mountainous areas where the compact dimensions, low gravity centre and astonishing traction ensure effective and safe operation. The hydrostatic system, with hydraulic servo controls, also makes it possible to manage the speed from a few metres an hour to maximum 5 km/h and to control steering easily with creep precision, all benefiting operating accuracy and driving safety.

The hydrostatic transmission with variable hydraulic pumps and gear motors, coupled with the power of the engine, make this machine a particularly manageable instrument capable of operating in all work conditions. The transmission of torque is directly transmitted to the tracks: this ensures maximum performance and drive transmission capacity.

A 70% reduction of the force needed to operate the levers greatly improves the driving comfort. Moreover, the precision of the driving manoeuvres is higher.

There are also major advantages for maintenance, as this system no longer requires periodical adjustments.

CINGO M12.3EVO TECHNICAL INFORMATION

PERFORMANCE		TRANSMISSION AND HYDRAULIC SYSTEM		WEIGHT AND DIMENSIONS	
Maximum capacity	1200 kg	Type of transmission	Hydrostatic	Weight	720 kg
Diesel engine	Kubota 21 HP	Hydraulic pumps transmission	Gear motors	Width	1000 mm
Starting	Electric	Services pump	Gears 8 + 2,5 cc	Length	1800 mm
Maximum speed	5 km/h	Maximum system capacity (auxiliary circuit)	27 + 8 l/min		

Multi-function quick coupling system

With the numerous attachments available, the Cingo becomes a highly effective and productive work tool, and a source of significant reduction in the costs of the extremely varied work that normally requires specific machinery.

The optimal characteristics and performance of the Cingo attachments and their full comparability arise from an integrated design and an exclusive production process.

Patented device

The complete interchangeability of the numerous attachments makes the Cingo system versatile and unique.



The patented device for the quick coupling of the attachments, which equips the truck with two strong mechanical booms, is the root technology of the Multi-function Cingo. Many attachments of the Multifunction system are compatible with this device.

MULTI-FUNCTION DEVICE WITH HYDRAULIC CONTROL



MULTI-FUNCTION, LIST OF ATTACHMENTS

CINGO MULTI-FUNCTION MODELS	M8.3PLUS	M12.3EVO
<i>Attachments for the construction and earth-moving sector</i>		
Tipper dumper	X	X
Tipper dumper with self-loading loader	X	X
Tipper dumper with high tipping	X	X
300 litre concrete mixer	X	X
300 litre concrete mixer with self-loading loader	X	X
Hand-held hydraulic hammer - 20kg	X	X
Tipper with openable sides and three-sided tilting	X	X
<i>Attachments for the agricultural sector, forestry and green areas</i>		
Tipper with openable sides and agricultural flatbed	X	X
Shredders for shrubs, grass and stalks	X	X
Mowing bar	X	X
Soil tiller	X	X
Trencher	X	X
Stone buriers		X
Sprayer	X	X
Auger	X	X
Mechanical in-row weed control attachment	X	X
Vertical fork-lift	X	X
Pallet transporter	X	X
Verticalfork-lift with crate press	X	X
Winch		X
Chipper	X	X
Snow blower	X	X
Front blade with hydraulic pivoting	X	X





Dumper

Ideal for transporting loose material and for precision unloading. It is compatible with the quick coupling system.

	M 8.3PLUS	M 12.3EVO
Capacity of the tipper (l)	400	550
Capacity (kg)	730	1100
Width (mm)	800	920



Dumper with self-loading loader

The advantage of the front loader with hydraulic lifting for loading material. It is compatible with the quick coupling system.

	M 8.3PLUS	M 12.3EVO
Capacity of the tipper (l)	400	550
Capacity (kg)	655	980
Capacity of the loader (l)	80	90
Width (mm)	970	1080



Dumper with high tipping

Efficiency in transporting inert materials combined with the versatility of high unloading. It is compatible with the quick coupling system.

	M 8.3PLUS	M 12.3EVO
Capacity of the tipper (l)	400	400
Capacity (kg)	610	1010
Width (mm)	850	850
Height of the obstacle (mm)	1300	1300



Three-sided tipping

The versatility of the dumper with three sides that can be tilted.

	M 8.3PLUS	M 12.3EVO
Capacity (kg)	710	1100
Width (mm)	750	920
Length (mm)	1050	1250
Height of the sides (mm)	450	450



Tipper dumper with sides

The versatility of a tipper dumper with sides that when required become an integral part of the load bed, increasing its surface.

	M 8.3PLUS	M 12.3EVO
Capacity (kg)	720	1100
Width with sides closed (mm)	800	1000
Width with sides horizontal (mm)	1445	1650
Height of the sides (mm)	300	300



Shrub shredder

It is ideal to cut pruning residues, tree stumps and small bushes, as well as to clean embankments and footpaths. It is compatible with the quick coupling system.

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



Auger

For making precise holes in the ground to house poles, supports, to plant young plants. It is compatible with the quick coupling system.

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



Chipper

Indispensable for shredding pruning residues and resultant wood material, with the advantage of total mobility. It is compatible with the quick coupling system.

	M 8.3PLUS	M 12.3EVO
Maximum diameter of the branches (mm)	110	110



Grass mowers

An advanced hydraulically operated system for precision mowing. The floating function of the bar allows you cut following the roughness of the ground. It is compatible with the quick coupling system.

	M 8.3PLUS	M 12.3EVO
Width of the mowing bar (mm)	1300	1300



Agricultural cultivator

This attachment allows you to prepare the sowing bed on any degree of slope in gardens, vegetable allotments, greenhouses, vineyards, orchards and medium-sized pieces of land. It is compatible with the quick coupling system.

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



Sprayer

easy to handle and quick, it is ideal for plant protection treatments between the rows of vines when there is little space and the terrain is rough.

	M 8.3PLUS	M 12.3EVO
Tank capacity (l)	200	200



Winch with load bed

The benefit of combining a powerful hydraulic towing system with the versatility of a transport vehicle. Ideal for use in the forestry sector.

	M 12.3EVO
Maximum capacity (kg)	1000
Maximum towing capacity (kg)	1500
Cord length (m)	50



Trencher

The trencher is the smallest and strongest digger of its kind and allows you to lay irrigation pipes or electric cables. It is compatible with the quick coupling system.

	M 8.3PLUS	M 12.3EVO
Digging depth (mm)	From 0 to 600	From 0 to 600
Digging width (mm)	130	130



Concrete Mixer

Designed for mixing concrete in the required amounts, when and where it is needed. It is compatible with the quick coupling system.

	M 8.3PLUS	M 12.3EVO
Capacity of the concrete mixer (l)	350	350
Concrete output (l)	300	300
Width of the attachment (mm)	1050	1050



Self-loading concrete mixer

To increase productivity by directly providing for the loading of the inert materials. It is compatible with the quick coupling system.

	M 8.3PLUS	M 12.3EVO
Capacity of the concrete mixer (l)	350	350
Concrete output (l)	300	300
Capacity of the loader (l)	40	40
Width of the attachment (mm)	1050	1050



Hand-held hydraulic hammer

For carrying out small or large demolitions with maximum accuracy and effectiveness.

	M 8.3PLUS	M 12.3EVO
Weight of the attachment (kg)	20	20



Vertical fork-lift

Ideal for precision handling when high lifting capacities are required. It is compatible with the quick coupling system.

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



Pallet transporter

Ideal solution for lifting and moving pallets on any type of ground. It is compatible with the quick coupling system.

	M 8.3PLUS	M 12.3EVO
Max capacity (kg)	400	400



Front blade

Easy to operate, it allows you to clean the stables and stack loose material. It is compatible with the quick coupling system.

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



Excavation unit

Design to perform quick and efficiency digging most types of solis. It is compatible with the quick coupling system.

	M 8.3PLUS	M 12.3EVO
Excavation depth (mm)	From 0 to 600	
Excavation width (mm)	120/180	

CINGO M12.3EVO Handler 400



HANDLER 400

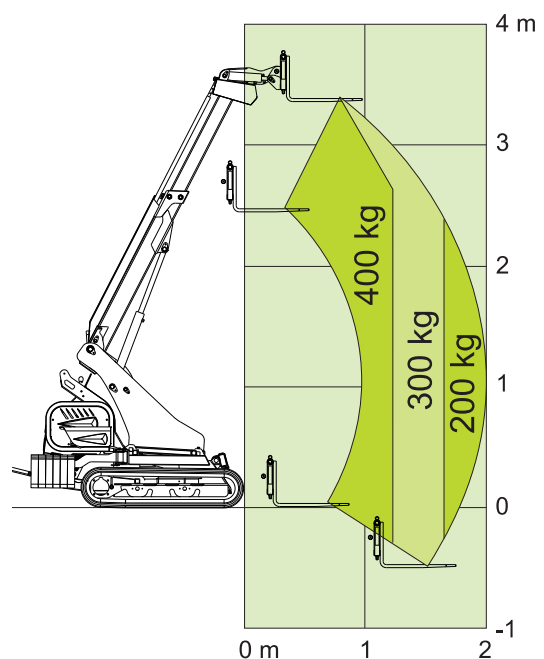
The exclusive Handler creates a genuine compact telescopic handler, mounted on the Cingo M12.3EVO model. It takes few seconds to connect the desired attachment to the head in order to respond quickly and effectively to the increasingly new demands for lifting, excavating, transporting, loading, unloading and precise handling. The handler 400 is supplied with forks as standard, however, when required the telescopic boom can also be fitted with a wide variety of other attachments (loaders, forks with grab, log gripper, hedge cutters, etc.) for lifting, digging, transporting and cutting.

TECHNICAL INFORMATION

Maximum capacity (kg)	400
Weight of the Handler attachment (kg)	680 (without machine)
Lifting height (m)	3.4
Diesel engine Kubota (HP)	21
Maximum speed (km/h)	4.9
Transmission	Hydrostatic
Boom controls	Electromechanical joystick
Front hydraulic stabiliser	As standard
Double pump and auxiliary hydraulic connector	As standard

The maximum capacity of the Handler 400 with its boom not extended is 400 kg (including the forks).

The attachment is fitted with an anti-tilt system that provides maximum operator safety.



HANDLER 400

FRONT ATTACHMENT-HOLDER CARRIAGE WITH MANUAL LOCKING

AN EXTREME COMPACT TELESCOPIC HANDLER ON TRACKED CARRIERS

ROBUST RUBBER TRACKING AND CRAWLER UNDERCARRIAGE THAT HAS OSCILLATING ROLLERS

HYDRAULIC STABILISER FOOT



TELESCOPIC BOOM SLIDING ON ADJUSTABLE ANTI-FRICTION PADS

CONTROLS WITH CONVENIENT ELECTROMECHANICAL JOYSTICK



POWERFUL 21 HP DIESEL ENGINE

HYDROSTATIC TRANSMISSION WITH HYDRAULIC GEAR MOTORS AND INTEGRATED PARKING BRAKE



The attachment of the Cingo system are the winning idea that has freshly defined the concept of multi-purpose for tracked dumpers. There are numerous work tools with new technology available for all models, which increase its potential for use, highlight its versatility and optimise its use in all fields: from construction to agriculture, from recycling top nursery gardening.

Attachments for HANDLER 400, compatible accessories

- Telescopic boom with forks
- Loader Bucket
- Loader Bucket 4x1
- 250L Pick Re-handling Bucket
- Fork with Grab
- Hydraulic log rotation clamps
- Drill
- Hook



MODELS		M500	M8.3Plus	
SUB-GROUP		TRANSPORTER	MULTI-FUNCTION	
PERFORMANCE - DIMENSIONS	Maximum capacity	kg	500	800
	Machine weight	kg	230	510
	Maximum length	mm	1471	1620
	Maximum width	mm	690	800
	Maximum height	mm	1125	1175
	Fixed / variable track		Fixed	Fixed
	Distance off ground/Ground clearance	mm	115	100
	Longitudinal negotiable slope		35%	35%
	Transversal negotiable slope		20%	20%
	Maximum speed	km/h	3.5	5
ENGINE	Engine	Brand	Honda	Kubota
	Model	Code	GX 200	Z-602
	Fuel		Petrol	Diesel
	Number of cylinders		1	2
	Displacement	cc	196	600
	Maximum running speed	RPM	3850±100	3600
	Power	kW	4.1 kW / 3600 rpm	12.5 kW / 3600rpm
	Maximum torque		12.4 Nm / 1.26 Kgfm / 2500 rpm	38 Nm / 3600 rpm
	Starting		Manual recoil	Electric
	Engine cooling		Air	Liquid
	Fuel tank	l	3.1	14
	Fuel consumption	l/h 3600 rpm	1.7	3.5
	Battery	V/Ah	-	12V
TRANSMISSION	Type of transmission		Hydraulic	Hydrostatic
	Pump	cc	3.2 + 3.2	11+11
	Flow	l/min	11.5+11.5	38+38
	Hydraulic motor		Orbital	Gear motor
	Maximum operating pressure	bar	150	160
	Controls / Levers		Hydraulic	Mechanical
	Operator station		On the ground	On the ground / Platform
	Parking braking		Operator manual	Automatic / Manual selector
TRACKS	Type		Rubber	Rubber
	Dimensions		160x72x33	180x72x36
	Rollers per side		3	4
HYDRAULIC CIRCUIT	Services pump	Cc	-	Gears 8
	Auxiliary circuit oil capacity	l/min	-	27
	Maximum pressure	bar	-	180
	Services and transmission oil tank	litres	21	18
	Auxiliary circuit oil cooling		No	Yes
	Hydraulic connectors		2	4
	Levers		-	-
	Auxiliary services distributor		No	SD5/4levers
MULTI-FUNCTION - QUICK COUPLING			No	Yes

M12.3EVO	M12.3EVO HANDLER 400
<i>MULTI-FUNCTION</i>	<i>MULTI-FUNCTION</i>
1200	400 (lifting capacity)
720	1400
1800	1980
1000	1000
1144	3400 (lifting height)
Fixed	Fixed
110	110
35%	35%
20%	20%
5	5
Kubota	Kubota
D722	D722
Diesel	Diesel
3	3
720	720
3600	3600
14.9 kW / 3600 rpm	14.9 kW / 3600 rpm
46 Nm / 2600 rpm	46 Nm / 2600 rpm
Electric	Electric
Liquid	Liquid
14	14
4	4
12V	12V
Hydrostatic	Hydrostatic
13+13	13+13
45+45	45+45
Gear motor	Gear motor
200	200
Hydraulic	Hydraulic
On the ground / Platform	On the ground / Platform
Automatic / Manual selector	Automatic / Manual selector
Rubber	Rubber
230x72x40	230x72x40
4	4
Gears 8 + 2,5	Gears 8 + 2.5
27 + 8	27 + 8
200	200
26	26
Yes	Yes
6	6
-	-
SD5/4levers + SD5/1lever	SD5/4levers + SD5/1lever
Yes	No





CINGO Multi-purpose transporters

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