



CINGO

Big versatile transporters.



Built with confidence.

Cingo, technology in action.



Cingo versatility in motion.



100% Merlo

When you work in narrow spaces, you need machines that are compact, dynamic, and which perform.

Merlo has created the multipurpose tracked handlers of the Cingo range to meet these needs.

Innovation and flexibility are key features of these machines, which are the result of the wealth of experience acquired by Merlo in R&D.

Cingo handlers are the essence of technology, and are designed to achieve three fundamental goals - safety, versatility, and manoeuvrability.

The unbeatable compactness of all models is the result of the integrated concept and manufacturing approach adopted for all their components.

A variety of attachments increases the productivity and the efficiency of these machines, turning them into perfect all-rounders.

Winning innovation

Cingo machines are versatile and tireless - formidable for the maintenance of public parks and gardens (grass mowing, brushwood cutting, tree pruning and trimming), road and forest cleaning, snow removal, agriculture and construction (excavation, transport, concrete mixing), to mention just a few.

It is not at all easy to list all the applications for which the Cingo system can be effectively used!

Cingo handlers are safe, reliable, and easy to handle and drive, due to their hydraulic controls and hydrostatic transmission. No matter how narrow passages can be - the various models of this range are narrower than ordinary flat doors, and their tracks can counter-rotate to let them spin around.

Competitive advantages

One of the greatest strengths of these machines is their versatility, allowing them to meet the most diverse needs and to be used for many applications.

The versatility which distinguishes the Cingo system is unique. It is the result of a design featuring a robust tracked carrier base equipped with two strong steel arms which provides attachment interchangeability.

This patented system allows a huge variety of attachments to be exchanged with ease and speed - dumper skips, mini-excavators, earth augers, cutters, concrete mixers, leaf aspirators, sprayers, cutter bars, shredders, snow blowers, hydraulic hammers, and many many others. It is also worth mentioning the exclusive Handler system - which is interchangeable with all other attachments - which turns this machine into a compact, multi-purpose telescopic handler! Like all the larger telescopic handlers manufactured by Merlo, it is equipped with a tool-handler carriage on the boom end, whose quick-attach system allows various tools to be easily connected.

Cingo performance for everyone.

The universal tracked carriers of the Cingo range, equipped with a hydrostatic transmission, are technologically unique, and offer excellent performance on countless applications, especially on sites that can't be accessed with conventional off-highway vehicles.

The exclusive, patented coupling system for the quick connection of the many interchangeable attachments allows the machine to be operational and efficient in just a few seconds in the most diverse environments. Smooth movement, progressive control, power maximization, and extreme versatility - these are the winning characteristics of the Cingo system!

Cingo - technological features

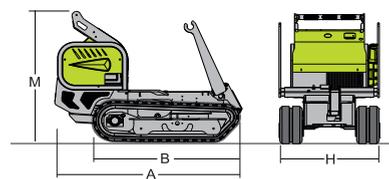
- Attachment Quick coupling system (patented by Merlo)*
- Hydrostatic transmission with variable displacement pumps and 7 kph maximum speed*
- Diesel or petrol engines
- Hydraulic stabiliser for handling fully laden skip *
- Auxiliary hydraulic connections
- Mechanical parking brake

* Equipment and performance vary depending on the models.



	M 4.2	M 6.2	M 8.2	M 10.2
A (mm)	1,525	1,390/1,550 ⁽¹⁾	1,390/1,550 ⁽¹⁾	1,655
B (mm)	1,210	1,175	1,175	1,340
H (mm)	From 600 to 840	800	800 ⁽²⁾	1,000
M (mm)	1,145	1,175	1,175	1,100

(1) TD-Transporter Dumper model. (2) From 800 to 1,100 mm on the Top model.



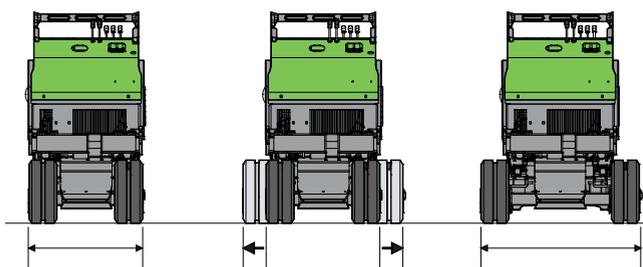
	M 4.2 TOP	M 6.2	M 6.2 TD	M 8.2	M 8.2 TD	M 8.2 PLUS	M 8.2 TOP	M 10.2	M10.2PLUS
Total weight empty (kg)	400	410	430	430	450	510	590	640	700
Total weight fully laden (kg)	970	1,010	960	1,230	1,180	1,310	1,390	1,640	1,700
Base carrier maximum load capacity (kg)	570	600	530	800	730	800	800	1,000	1,000
Gradeability, empty (%)	70	70	70	70	70	70	70	70	70
Gradeability, fully laden (%)	30	30	30	30	30	30	30	30	30
Engine	Diesel	Petrol	Petrol	Petrol	Petrol	Diesel	Diesel	Petrol	Diesel
Power (HP)	17	8.2	8.2	11	11	17	17	18	20
Engine start	Electric	Manual	Manual	Electric	Electric	Electric	Electric	Electric	Electric
Maximum speed (kph)	7	5.2	5.2	5.2	5.2	7	7	5.2	5.2
Transmission	Hydrostatic								
Auxiliary hydraulic connections (no.)	2	2	-	2	-	2	2	2	2
Attachment Quick coupling system	●	●	-	●	-	●	●	●	●
Hydraulically variable track-gauge	●	-	-	-	-	-	●	-	-
Front hydraulic stabiliser	-	○	-	○	-	○	○	○	○
Operator's footboard	●	○	○	●	●	●	●	●	●
Engine emergency stop	●	●	●	●	●	●	●	●	●
Mechanical parking brake	●	●	●	●	●	●	●	●	●
Adjustable track tensioning	●	●	●	●	●	●	●	●	●
Oscillating rollers	●	●	●	●	●	●	●	●	●

● Standard. ○ Option.

Hydraulically variable track-gauge

The 'Top' build Cingo models are fitted with an exclusive hydraulic system for extending the track-gauge.

Simply operate a lever, and the track footprint is widened, increasing stability during operation.



Power to spare

Cingo handlers are powered by top quality petrol or diesel performing engines (Honda petrol engines and Kubota diesel engines), that ensure a prompt and efficient response to power demand.

Unrivalled stability

The chassis of Cingo handlers are designed for the lo-

west possible centre of gravity and excellent ground clearance - that's why these machines move around easily even on rough terrain.

Cingo TD - Transporter Dumper

Cingo Transporter models are equipped with a reinforced steel dumper skip hinged to the base carrier and can be used in the most severe applications, both for transport and material handling.

They are ideal for rental. These are simple, strong, reliable machines which combine high productivity with low operating costs.



Cingo twin steel arms.

The patented quick coupling system is the core of the Cingo technology. The robust tracked carrier is fitted with two powerful steel arms allowing a variety of attachments to be interchanged easily and quickly, making the machine extremely versatile. The patented hydraulic coupling system allows the machine to be fully operational with any attachment in just a few seconds.

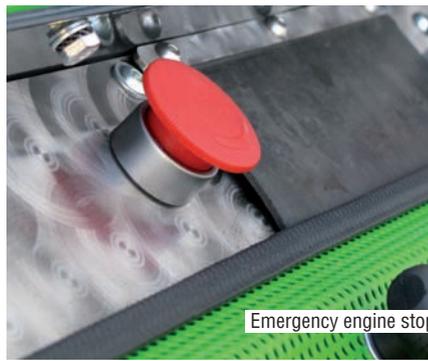
Patented system

Totally interchangeable attachments make the Cingo system uniquely versatile.





Parking brake



Emergency engine stop



Hydraulic stabiliser



Cushioned footboard



Self-cleaning oscillating rollers

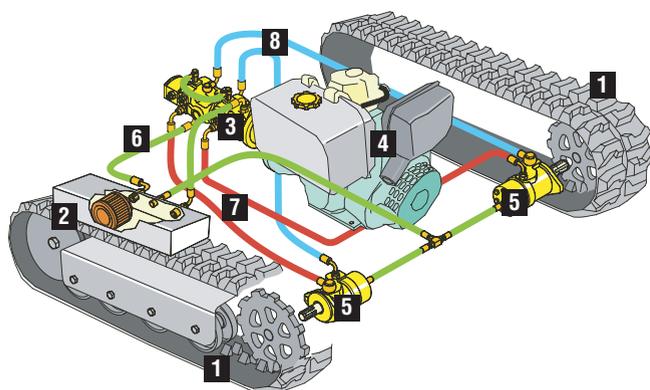


Auxiliary service connectors

Hydrostatic transmission

Two variable displacement hydraulic pumps independently operate the hydraulic motors of each track, with the drive always engaged.

Continuous, automatic variation of travel speed from zero to maximum speed is controlled by shift levers, which allow the driving direction to be reversed even 'on the go'. Track counter-rotation allows the machine to spin around to work even in very narrow spaces.



(1) Track. (2) Hydraulic oil tank. (3) Hydraulic pumps. (4) Diesel or petrol engine. (5) Hydrostatic motor. (6) Supply and drain lines. (7) Operating pressure line. (8) Return lines.

Low centre of gravity

The hydraulic oil tank is integral with the base carrier structure, keeping the centre of gravity, ensuring extraordinary side stability.

Innovative tracks

The robust rubber tracks are designed to impose a low specific pressure on the ground, so that they can tread even the most delicate lawns without damage. The exclusive roller train of the tracks has multiple oscillating rollers, improving both the grip on uneven ground and drive comfort. They also ensure an even load distribution on the tracks, whose tension can be manually adjusted.

Excellent approach/departure angles

An approach angle of 52° and a departure angle of 40° allow Cingo handlers to overcome even high obstacles.

Ergonomic controls

Cingo handlers are safe, reliable and user-friendly, with their intuitive, easy-to-use controls.

The operator will appreciate this user-friendliness, particularly when wearing gloves, since the controls are always easy to operate, and ensure maximum accuracy and smoothness.

To drive these machines, the operator can either walk behind them or stand on a cushioned footboard.

The automatic return of controls to their neutral positions prevents accidental operation.

Maximum accessibility

The position of the engine, the transmission and the hydraulic functions, makes for easy maintenance and facilitates any assistance that may be required in the field.

Cingo M 10.2 Handler the telescopic handler.

The exclusive Handler system, which is totally interchangeable with all other attachments of the Cingo system, can be rapidly fitted on Cingo tracked vehicles, thus making available a compact telescopic handler. High operating speed, accuracy, unrivalled performance and great versatility are the key features of this system, which is designed to be used even in the harshest applications.

There are two versions, having a load capacity of 200 kg and 400 kg respectively, which can be quickly fitted on Cingo M 10.2 tracked carriers, producing an agile and extremely performing working tool.

Don't let the compact size of this telescopic handler mislead you - the top-range model has a lift height of about 3.5 metres.

If necessary, the telescopic boom can be equipped with a variety of attachments for excavating, lifting, and transport (shovels, forks, grab buckets) that can surprise their users.

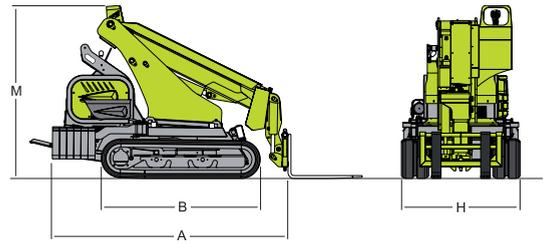
Cingo Handler, unrivalled versatility

- Electro-mechanical control joystick *
- Manually lockable front tool-holder carriage
- Telescopic boom sliding on anti-friction pads

* Equipment and performance vary depending on the models.

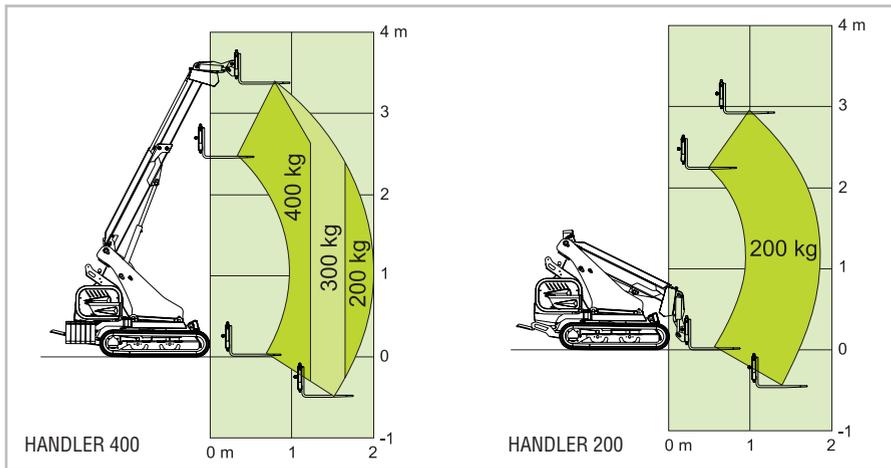
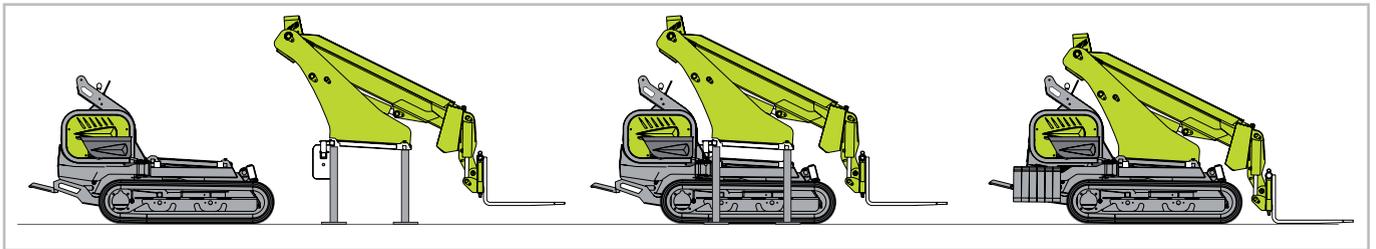


	HANDLER 400	HANDLER 200
A (mm)	1,980	1,800
B (mm)	1,340	1,340
H (mm)	1,000	1,000
M (mm)	1,360	1,360



	HANDLER 400	HANDLER 200
Maximum lift capacity (kg)	400	200
Weight of the Handler attachment (kg)	680	270
Lift height (m)	3.4	2.9
Honda petrol engine ⁽¹⁾ (HP)	18	18
Kubota diesel engine ⁽²⁾ (HP)	20	20
Max speed (kph)	5.2	5.2
Transmission	Hydrostatic	Hydrostatic
Boom controls	Electro-mechanical control joystick	Hydraulic control levers
Front hydraulic stabiliser	○ ⁽³⁾	○
Tool-holder carriage	●	●

(1) Cingo M 10.2. (2) Cingo M 10.2 Plus. (3) Required on Cingo M 10.2. ● Standard. ○ Option.



Cingo attachments many machines in one.

The Cingo system attachment range is a winning idea, which has given rise to a new definition of versatility in tracked transporters.

All models can be equipped with countless technologically advanced working tools which maximise their potential, enhance their versatility, and optimise their use in any sector - construction, agriculture, recycling and forestry.

They turn Cingo machines into extremely efficient and profitable working tools, and allow costs to be cut in many different activities for which several specific machines would generally be used.

The excellent performance and features of Cingo attachments, as well as their total interchangeability, are the result of an integrated concept and manufacturing approach adopted for all their components.

It takes just a few seconds to connect any attachment and to meet the most diverse needs in lifting, excavation, transport, loading/unloading, and precision handling.

This is why you can really demand the best from the multi-purpose Cingo systems - versatility, quality, profitability, and most of all safety, will always be ensured.



Dumper skip



Ideal for loose material transport and for precision tipping. It is compatible with the quick coupling system.

	M 4.2	M 6.2	M 8.2	M 10.2
Dump body capacity (l)	350	400	400	550
Useful load (kg)	400	530	730	900
Width (mm)	600	800	800	920

Dumper skip with loading bucket



This model offers the advantage of a front hydraulic bucket for material loading. It is compatible with the quick coupling system.

	M 6.2	M 8.2	M 10.2
Dump body capacity (l)	400	400	550
Useful load (kg)	455	655	780
Bucket capacity (l)	80	80	90
Width (mm)	800	800	990

High-tip dumper skip



The high-tip action combines efficiency and versatility in aggregate transport. It is compatible with the quick coupling system.

	M 6.2	M 8.2	M 10.2
Dump body capacity (l)	400	400	400
Maximum load capacity (kg)	410	610	810
Width (mm)	850	850	850
Obstacle height (mm)	1,300	1,300	1,300

Trilateral dumper skip



This versatile dumper skip with foldable sides can be tipped in three directions.

	M 6.2	M 8.2	M 10.2
Useful load (kg)	510	710	900
Width (mm)	750	750	550
Length (mm)	1,050	1,050	1,250
Side and tailgate height (mm)	450	450	450

Dumper skip with foldable sides



This versatile dumper skip is equipped with foldable sides. If necessary, they are folded out and become integral with the loading surface, thus increasing the flat area.

	M 6.2	M 8.2	M 10.2
Useful load (kg)	520	720	900
Width with sides folded in (mm)	800	800	1,000
Width with sides folded out (mm)	1,445	1,445	1,650
Side and tailgate height (mm)	300	300	300

Brush cutter



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 4.2	M 8.2	M 10.2
Working width (mm)	600	800	1,000

Vacuum system



This is a professional vacuum system for effective cleaning of roads, woods, and construction sites.

	M 8.2	M 10.2
Dump body capacity (l)	400	550
Diameter of the aspiration pipe (mm)	180	180

Earth auger



Can accurately and effortlessly drill holes soil where posts, supports and plants can be inserted.
It is compatible with the quick coupling system.

	M 6.2	M 8.2	M 10.2
Hole diameter (mm)	150/200	150/200	150/200
Maximum rotation speed ⁽¹⁾ (rpm)	100	100	100
Maximum working depth (mm)	800	800	800

(1) At 3,600 rpm with a 7 lpm pump.

Rotating plough



This is the ideal solution if you need to plough very steep slopes, as well as pieces of land which cannot be accessed with conventional tractors.
It is compatible with the quick coupling system.

	M 8.2	M 10.2
Furrow width (mm)	300	300

Shredder



Crucial if you need to crush pruning residues and wood debris, and it offers the advantage of total mobility.
It is compatible with the quick coupling system

	M 8.2	M 10.2
Maximum branch diameter (mm)	80	80

Mower



This advanced hydraulically operated system is ideal for precision mowing. The floating function of the bar allows it to adapt to uneven ground. It is compatible with the quick coupling system.

	M 8.2	M 10.2
Cutter bar width (mm)	1,300	1,300

Rotary cultivator



This attachment can prepare a sowing bed in gardens, vegetable gardens, greenhouses, vineyards, orchards, and medium-size pieces of land, no matter the slope. It is compatible with the quick coupling system.

	M 4.2	M 8.2	M 10.2
Working width (mm)	600	800	1,000

Sprayer



This quick and easy-to-handle tool is ideal to spray plant protection products among vine rows, where there is little space and soil is uneven.

	M 4.2	M 8.2	M 10.2
Tank capacity (l)	150	200	200

Winch with load flatbed



This system combines the power of a hydraulic winch with the versatility of the tracked carrier. It is ideal for the forestry sector.

	M 10.2
Maximum load capacity (kg)	1,000
Maximum towing capacity (kg)	1,500
Rope length (m)	50

Trencher



The smallest and strongest excavator of its kind, it allows small trenches to be made where irrigation pipes or electric cables can be laid. It is compatible with the quick coupling system.

	M 8.2	M 10.2
Digging depth (mm)	From 0 to 600	From 0 to 600
Digging width (mm)	120/180	120/180

Concrete mixer



It is designed to mix just the right quantity of concrete, wherever and whenever it is required. It is compatible with the quick coupling system.

	M 6.2	M 8.2	M 10.2
Mixer capacity (l)	280	280	280
Concrete output (l)	200	200	200
Attachment width (mm)	900	900	900

Self-loading concrete mixer



Increases productivity, as it loads the aggregate material itself. It is compatible with the quick coupling system.

	M 6.2	M 8.2	M 10.2
Shovel capacity (l)	280	280	280
Concrete output (l)	200	200	200
Bucket capacity (l)	40	40	40
Attachment width (mm)	900	900	900

Manual hydraulic hammer



Performs any kind of demolition work with maximum accuracy and effectiveness.

	M 8.2	M 10.2
Weight (kg)	20	20

Vertical fork-lift mast



Ideal for precision handling, when high lift capacity is required. It is compatible with the quick coupling system.

	M 8.2	M 10.2
Maximum load capacity (kg)	200	400
Lift height (mm)	1,600	1,600

Personnel platform



Ensures maximum safety when lifting one person, plus working tools and material.

	M 6.2	M 8.2	M 10.2
Working height (m)	6	6	6
Height to platform floor (m)	4	4	4
Load capacity with 1 person (kg)	150	150	150

Telescopic handler



This is an agile, high-performance working tool that can be equipped with a variety of attachments (loaders, forks, clamps, buckets) for excavation, lifting, loading, transport, and handling. It is compatible with the quick coupling system.

	M 10.2 H 200	M 10.2 H 400
Maximum load capacity (kg)	200	400
Lift height (mm)	2,900	3,400

Mini-excavator



Power, compact size, and high operating speed - these features make this attachment a perfect solution when an excavation needs to be made in narrow spaces. It is equipped with a front blade which acts as a stabiliser.

	M 8.2	M 10.2
Digging depth (mm)	1,600	1,600
Maximum forward reach (mm)	2,400	2,400
Bucket width (mm)	250	250
Tearing force (kN)	9.6	9.6

Snow blower



This hydraulically operated attachment is equipped with a turbine ejector, whose ejection direction can be manually selected on the go. It is compatible with the quick coupling system.

	M 8.2	M 10.2
Working width (mm)	800/1,000	1,200

Front blade



This user-friendly attachment can be used to clean cattle sheds and stables, to stack loose material, and to remove snow.

	M 6.2	M 8.2	M 10.2
Blade width (mm)	1,100	1,100/1,300	1,300
Blade height (mm)	470	470	470
Blade angle (degrees)	±18	±18	±18

Street sweeper



Its advantage is the variable-angle rotating brush. It is compatible with the quick coupling system.

	M 8.2	M 10.2
Working width (mm)	800	1,000

Merlo Group the supremacy of ideas.



Cutting steel plate.

The Merlo brand is synonymous for innovation and technology in the world of telescopic handlers.

The history of the Merlo Group is punctuated with ideas, drive and passion. The whole Group revolves around these values, providing the base for the success of new products, as well as of the numerous international awards the company has been awarded.

Developing complex projects, from ideas to results and from design to sales, implies proposing innovative solutions which become the forerunners of new trends and applications in the most competitive markets.

This is a winning attitude which is seen in the drive for an integrated manufacturing process with the most modern construction methods, automatic processes, integrated electronics, robotics handling and much, much more.

Our will to maintain a closer and closer bond with our customers is reflected in training and refresher courses, in after-sales service, and in trust-based relationships with our dealers worldwide.

The results are compact and manoeuvrable machines which ensure unrivalled levels of comfort, efficiency and safety.

This is the strength of the Merlo Group.



Built with confidence.



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COMPANY
WITH QUALITY MANAGEMENT
SYSTEM CERTIFIED BY DNV
=ISO 9001:2000=