

CINGO - XG



MERLO

The supremacy of ideas.

CINGO

M 10

M 8

M 6 TD

M 6





VERSATILITY AND EFFICIENCY



Technological excellence

The CINGO range of tracked transporters highlight the supremacy of Merlo in the production of innovative machines. The base carrier, features a patented quick coupling system for hitching the various attachments, offering a high degree of versatility and operating speed, thereby ensuring winning solutions whatever the task at hand. The hydrostatic transmission with dual variable displacement piston pumps and independently driven motors on each track, is top-of-the-range in terms of operating ease, reliability and safety.

The wide range of interchangeable attachments have been designed to facilitate many different operations, thereby making the CINGO system unbeatable in terms of performance and cost effectiveness.

High- tech solutions and advanced technological input, highlight the ongoing commitment to offering highly advanced machines, the result of painstaking research and continuous innovation, with the added guarantee provided by over forty years of experience in the field.

EXCLUSIVE TECHNOLOGY

More than 5 kph travel speed

The hydrostatic transmission with dual variable displacement pumps, on the models at the upper end of the range, ensure excellent speed potential.

Power at hand

A double acting hydraulic distributor with snap couplings is a standard fitting for the feed of all hydraulic attachments.

Outstanding versatility

The hydraulically operated quick coupling system ensures rapid changing of attachments.

Low centre of gravity

In order to keep the centre of gravity low and to ensure excellent transversal stability the hydraulic oil tank has been positioned inside the base carrier structure.

Track counter-rotation

The machine has the ability to turn 360° in its own length for operations in very limited space.

Ground Clearance

The base carrier which has been entirely designed and constructed in-house offers enhanced ground clearance when compared to other solutions, for improved rough terrain capability.

High approach and departure angles

The front approach angle of 52° and rear angle of over 40° ensures that even high obstacles can be tackled with ease.

Infinite operating potential

Thanks to the host of interchangeable attachments available the base carrier can be transformed into an infinite number of different work tools.

Greater number of rollers

The enlarged roller train ensures better load distribution on the tracks.

Dynamic engines

High power and rapid response characterize the petrol and diesel engines available on the various models.

The ergonomic controls are easy to operate even wearing work gloves.

As an alternative to the anti-slip foot board the machine can be fitted with an operator's seat complete with foot-rest.

Hydraulically controlled front stabilizers, boosts the machine stability in the handling of fully loaded dumper skips.



The CINGO multi-purpose transporters are available in different versions with base carrier capacities of between 600 kg and 1000 kg. Fitted with either petrol or diesel engine.

The outstanding versatility of these machines is common to all models and the high powered performance ensures excellent operating results and comfort, in even the toughest working conditions.

Safety above all

The various components have been designed with the precise aim of ensuring that the machines are both reliable and safe in every kind of operating context.

Enhanced performance

The fast operating speeds, total accuracy and high performance levels together with its exceptional versatility are all evident advantages of a machine specifically designed to tackle even the toughest working conditions.

Ergonomic controls

All the controls are easily accessible and intuitive. Making for efficient, smooth and precise operations.

Situational awareness

Thanks to the configuration of the base carrier and the positioning of the controls it is possible to fully control the working area and the attachments being used.

Excellent comfort

There is a comfortable footboard for transfers and an optional driver's seat complete with foot-rest.

Total manoeuvrability

The compactness of the machine is the result of the integrated design of all its components. Making for a wonderfully manoeuvrable machine, offering total accuracy and a highly responsive engine, whenever that extra power is required.

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.



The CINGO range has more to offer

- Attachment quick coupling device (Merlo patent)
- Hydrostatic transmission with variable displacement pumps
 - Diesel or petrol engines
- Optional stabilizers for the placing or picking up of fully loaded dumper skips
 - Fast transfer speeds
- Auxiliary hydraulic functions
 - Mechanical parking brake
- Possibility of counter-rotation of the tracks
 - Emergency engine stop button



PATENTED The attachment quick coupling device and positioning system ensures that attachments can be replaced quickly and in total safety.



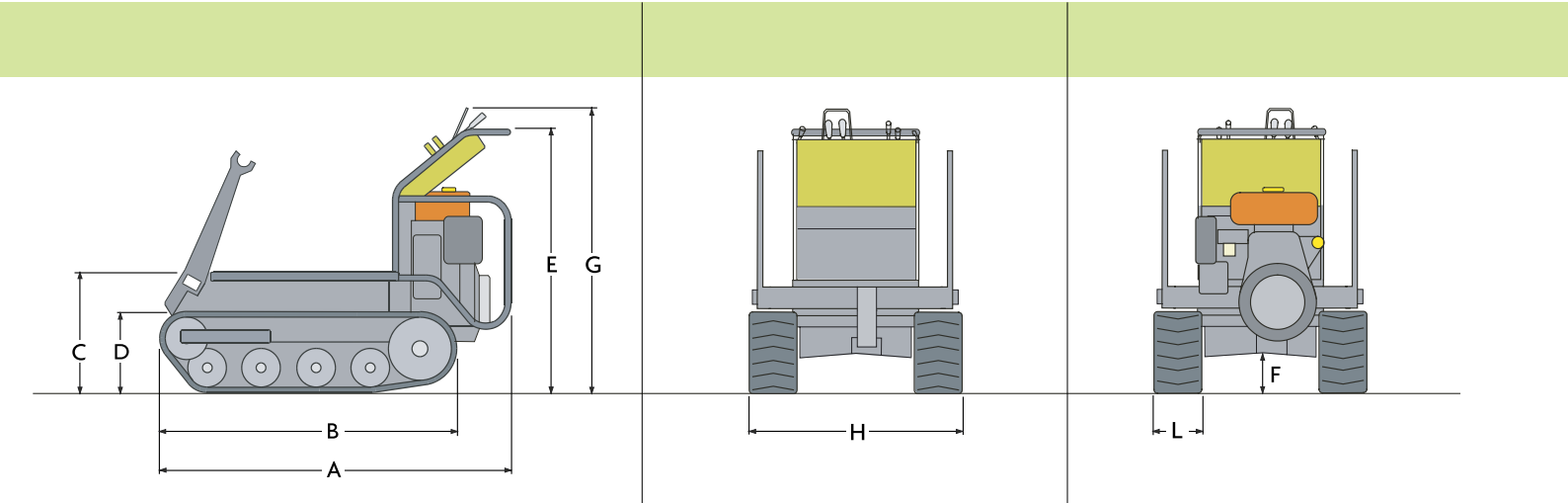
PERFORMANCE AND DIMENSIONS



CINGO		M6	M8	M8 PLUS	M10
Weight					
Total weight (unladen)	kg	340	360	450	520
Total weight (fully laden)	kg	940	1160	1250	1520
Performance					
Maximum capacity of base carrier ⁽¹⁾	kg	600	800	800	1000
Gradeability of base unit	%	70	70	70	70
Gradeability fully laden	%	30	30	30	30
Starting		manual ⁽²⁾	electric	electric	electric
Transmission		hydrostatic	hydrostatic	hydrostatic	hydrostatic
Hydraulic fittings	number	1	2	2	2
Oil flow at engine 3000 rpm	l/min	6.6	18	24	24
Engine	▪ petrol	HP	9	13	20
	▪ diesel	HP	-	12	16
Speed					
Maximum speed	kph	5.2	5.2	6.9	5.2

		M6	M8	M8 PLUS	M10
Dimensions					
A	mm	1350	1350	1350	1580
B	mm	1220	1200	1200	1340
C	mm	400	400	400	440
D	mm	320	320	320	345
E	mm	995	995	995	1030
F	mm	165	165	165	140
G	mm	1080	1080	1080	1115
H	mm	800	800	800	990
L	mm	180	180	180	230

⁽¹⁾ Inclusive of attachment weight
⁽²⁾ Optional electric starter



Base carrier

- The base carrier is made of thick, boxed steel sheeting, reinforced at the points of greatest strain. With a steel plate beneath the carrier to protect the mechanical and hydraulic parts.

Quick coupling device

- Mechanical type with hydraulic lever-controlled operation.
- Mechanical locking of attachments.

Operator position

- The controls can be operated by the operator from the ground or from the retractable footboard.
- There is also an optional operator's seat complete with foot-rest.

Safety devices

- Push button emergency engine stop feature.

Stabilizer feet (option)

- Made of steel with hydraulic lever control.

Steering

- Controlled with hydraulic levers by selective track rotation.
- Possibility of counter-rotation to allow the machine to actually turn in it's own length.

Engine

- Aspirated diesel or petrol depending on the model.
- Manual or electric starting depending on the model.

Transmission

- Integrated hydrostatic with dual variable displacement piston pumps independently driving motors on each track.
- Automatic and continuous speed variation from zero to maximum speed simply by operating the transmission levers.
- Ability to change direction on the move using the direction control levers.
- Constantly engaged track traction.

Braking system

- Mechanical parking brake with lever control acting on one of the driving wheels.

Hydraulic system

- Gear pump.
- 3/8" hydraulic connection with quick coupling devices.
- Steel hydraulic oil tank incorporated on the base carrier.

Controls

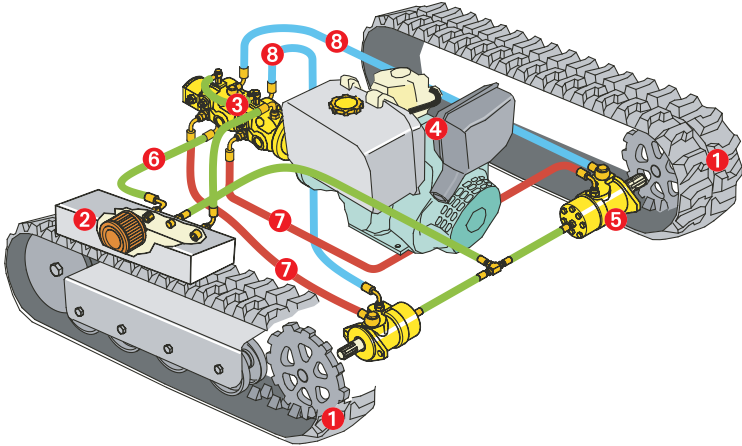
- Mechanical lever controlled hydraulics.
- Automatic return to neutral position to avoid the risk of any accidental movements.

Tracks

- Made of rubber reinforced with steel plating and with low bearing pressure for travel on easily damaged surfaces.
- Roller element with self-cleaning rollers with the possibility of manual track tension adjustment.

Main options

- Operator's seat.
- Auxiliary hydraulic fittings.
- Electrical starting on M6.
- Front stabilizer feet.



- 1 Track

2 Hydraulic oil tank

3 Hydraulic pumps

4 Diesel engine
- 5 Hydrostatic motor

6 Feed and drainage line

7 Work pressure line

8 Return lines

Fittings and accessories	M6	M6 TD	M8	M8 PLUS	M10
Attachment quick coupling system	■	-	■	■	■
Stabilizers for fully loaded dumpers	●	-	●	●	●
Operator's anti-slip foot board	■	●	■	■	■
Seat with foot-rest	●	-	●	●	●
Petrol engine	■	■	■	-	■
Diesel engine	-	-	●	■	●
Electrical starting	●	●	■	■	■
Emergency engine stop	■	■	■	■	■
Mechanical parking brake	■	■	■	■	■
Auxiliary 3/8" hydraulic fitting	■	-	■	■	■
Supplementary 3/8" hydraulic fitting	-	-	■	■	■
■ Standard ● Optional					

Cingo M6 Transporter Dumper

The CINGO M6 TD has been designed for heavyduty material transportation and unloading operations, with the rental market in mind. The dumper is made of reinforced steel and directly hinged to the base carrier. This simple, yet sturdy and highly reliable machine ensures high performance levels, whilst also being cost-effective.



CINGO M6 TD

Weight

Total weight (unladen)	kg	390
Total weight (fully laden)	kg	920

Performances

Maximum capacity	kg	530
Dumper capacity	l	400
Petrol engine	HP	9
Starting	manual ⁽¹⁾	
Transmission	hydrostatic	

Speed

Maximum speed	kph	5.2
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(1) Optional electric starter

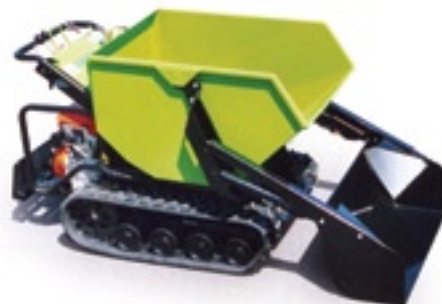
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Dumper body

Ideal for the transportation of loose materials and for accurate unloading operations. It is compatible with the quick coupling system.

		M6	M8	M10
Dumper capacity	l	400	400	550
Working capacity	kg	530	730	910
Width	mm	800	800	990



Dumper body with self-loading shovel

All the advantages of a front hydraulic-loading shovel for dumper filling. It is compatible with the quick coupling system.

		M6	M8	M10
Dumper capacity	l	400	400	550
Working capacity	kg	470	670	850
Shovel capacity	l	80	80	80
Width	mm	800	800	990



Dumper body with high tipping feature

Highly effective in the transportation of loose materials with the added advantage of a high-tipping feature.

		M6	M8	M10
Dumper capacity (level fill)	l	450	450	600
Working capacity	kg	300	500	500
Width	mm	850	850	850
Obstacle height	mm	1300	1300	1300



Mixer

Specifically designed for concrete mixing, in precisely the quantities required and precisely when and where it is needed. It is compatible with the quick coupling system.

		M6	M8	M10
Geometric capacity of the mixer	l	280	280	280
Concrete yield	l	200	200	200
Attachment width	mm	900	900	900

Mixer with self-loading shovel

Enhances productivity as direct loading of the loose materials is possible. It is compatible with the quick coupling system.

		M6	M8	M10
Geometric capacity of the mixer	l	280	280	280
Concrete yield	l	200	200	200
Shovel capacity	l	90	90	90
Attachment width	mm	900	900	900

Mixing and casting



Loading



Lifting





Mini-excavator

Thanks to its high power, compact dimensions and fast operating speeds, it is the ideal solution for precision excavation of restricted areas. It comes complete with front blade with stabilizing function.

		M8	M10
Excavation depth	mm	1630	1630
Maximum extension	mm	2400	2400
Bucket width	mm	250	250
Tear force	kN	9.8	9.8



Aerial work platform

For the safe lifting of a single person together with materials and work tools.

		M6	M8	M10
Working height	m	6	6	6
Height at the footplate	m	4	4	4
Capacity with 1 person	kg	150	150	150



Dumper skip with foldable sides

All the versatility of a tipping skip with folding sides which can, when necessary, convert the dumper into a flatbed carrier.

		M6	M8	M10
Working capacity	kg	540	740	915
Width with closed sides	mm	800	800	1000
Width with horizontal sides	mm	1300	1300	1600
Body length	mm	1070	1070	1250
Height of the sides	mm	250	250	300



Hand-held hydraulic hammer

Ideal for large or small scale demolition operations, ensuring the greatest precision and efficiency.

		M8	M10
Tool weight	kg	14	14



Soil auger

Designed for highly accurate and easy hole drilling for the insertion of poles, and supports and the planting of young trees. It is compatible with the quick coupling system.

		M6	M8	M10
Hole diameter	mm	150/200	150/200	150/200
Maximum rotation speed ⁽¹⁾	rpm	100	100	100
Maximum working depth	mm	600	600	600

(1) At engine 3600 rpm with 7 l/min flow hydraulic pump.

Transportation



Clearance



Demolition



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Innovative grass mower A highly advanced hydraulically operated system for accurate mowing operations. The floating bar movement permits excellent cutting results as it adapts to uneven ground conditions.			
		M8	M10
Cutter bar width	mm	1300	1300



Brush cutter Ideal for the shearing of pruning residues, stalks, and small bushes and for the clearance of banks and paths. It is compatible with the quick coupling system.			
		M8	M10
Working width	mm	800	1000



Aspirator unit A professional vacuum system for the clearance of roads and woodland.			
		M8	M10
Body capacity	mm	600	1000
Aspiration width	mm	900	1100



Wood chipper The ideal device for the shredding of pruning residues and wood waste materials, with the added advantage of total mobility. It is also compatible with the quick coupling system.			
		M8	M10
Maximum branch diameter	mm	80	80



Handler 200 A sturdy and reliable machine. The telescopic boom can be fitted with various attachments (forks, clamps, skips) to carry out different kinds of tasks.			
		M10	
Load capacity	kg	200	
Lift height	m	2.9	

Cutting



Handling



Self loading





Vertical masted fork-lift

It provides high load capacity with the advantage of a great precision handling.

		M6	M8	M10
Maximum capacity	kg	200	200	400
Lift height	mm	1700	1700	1700



Front blade

This easy-operation blade, permits the cleaning of animal sheds, the heaping together of loose materials and snow clearance.

		M6	M8	M10
Blade width	mm	1050	1050	1300
Blade height	mm	470	470	470
Blade angle	degrees	± 18°	± 18°	± 18°



Winch with loading platform

All the advantages of a powerful hydraulic winch system with the intrinsic versatility of a transportation vehicle. Making it ideal for use in the forestry sector.

		M10
Maximum capacity	kg	1000
Maximum draught	kg	1000
Rope length	m	35



Snow blower

Hydraulically operated with a turbine ejector with manually adjustable chute direction. It is compatible with the quick coupling system.

		M8	M10
Working width	mm	830	1000



Sprayer

This fast and easily manoeuvrable atomiser is ideal for plant treatments between vines, in areas of limited space and with difficult ground conditions.

		M8	M10
Tank capacity	l	200	200

Handling



Hoisting



Snow clearance





Help is always nearby

Day after day, choosing a Merlo product brings the advantages of the most advanced technology and the practicality of safe and comfortable equipment, of which the very best can be expected.

Merlo Service ensures a close and continuing bond with the customer, provided by a worldwide network of more than 500 Service Centres guaranteeing experienced and trained technical assistance close at hand.

Building professionalism

Evidently, carelessness and a lack of respect for the basic principles of safety are often the causes of accidents with lifting equipment, often through the lack of an adequate training scheme. The close link between training and safety is a part of everyone's experience and must be continually updated as part of our professional development, a role for which the new Merlo Research and Training Centre is admirably suited.



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