



**MERLO**



**COMPACT FAMILY**







## THE MERLO GROUP

### At the cutting edge of technology

Safety,  
comfort  
and maximum  
performance



The Merlo brand is synonymous with advanced technology in the field of telehandlers and operating plant, and since 1964 the Group's history has been one of ideas, tenacity and passion.

Together these characteristics form the cornerstone of an industrial group that has developed a highly successful range of products, which have been awarded numerous international prizes.

The development of complex projects, from initial idea through to end product, from design through to sales, entails the ability to innovate, and to anticipate the needs and future trends of an increasingly competitive market.

In pursuit of ever more ambitious targets, Merlo technology has become the driving force behind a development programme that is able to look beyond the conventional. Safety, comfort and performance are the key concepts.

The result is that every machine we build is a record breaker, in terms of design, power, and in its respect for both the end user and the environment.

This winning attitude is demonstrated by our integrated production process, our modern construction methods, our process automation, revolutionary integrated electronic systems, robotic machining systems and in many other ways.

The will to maintain ever closer links with our customers is reflected in our ongoing programme of personnel training and refresher courses, in the quality of our service network, and in the relationships of mutual trust we have built with our dealers. The result is a range of compact and manoeuvrable machines that offer unparalleled comfort, efficiency and, above all, safety. Here lies the strength of the Merlo Group.





## COMPACT CONCEPT



## Concentrated power

## Ten good reasons to purchase a Merlo compact telehandler

For building, rental and municipal activities, Merlo has conceived the «Compact» telehandler family, which can be equipped with original attachments, designed to maximize productivity and efficiency. The “Compact” Series is practical, versatile and easy to operate.

The boom can reach a height of 6 meters (P25.6 and P32.6) as well as 8 meters (P28.8). The load capacity is up to 3200 kg.

The Compact family allows a faster return on the investment and help improve profitability, efficiency and competitiveness.

- ✓ Compact dimensions: the heights of the three standard models are 1.92 m (P 25.6) and 2.15 m (P 28.8-P 32.6).
- ✓ Low Profile versions: at 1.77 m (P 25.6) and 2 m (P 28.8-P 32.6).
- ✓ Attachments: dedicated attachments to make your work easier and increase your productivity.
- ✓ Operator position: cab internal width of 995 mm for supreme comfort.
- ✓ Wide-opening doors for easy access and improved operator comfort.
- ✓ 6.4 and 8.2 metre booms. Outperform front loaders in terms of height, operating speed and productivity (twice the lifting capacity and twice the height).
- ✓ Electronically controlled hydrostatic transmission: easy, practical and intuitive (P 28.8-P 32.6).
- ✓ Hydrostatic transmission: manoeuvre with millimetre precision.
- ✓ Max. speed: 40 km/h, tow hitch, braking on all 4 wheels, trailer braking.
- ✓ Average annual use: over 1000 hours. Savings and greater productivity.





## CAB

## More space from the widest cab on the market

Where comfort, quiet operation and superior visibility come as standard



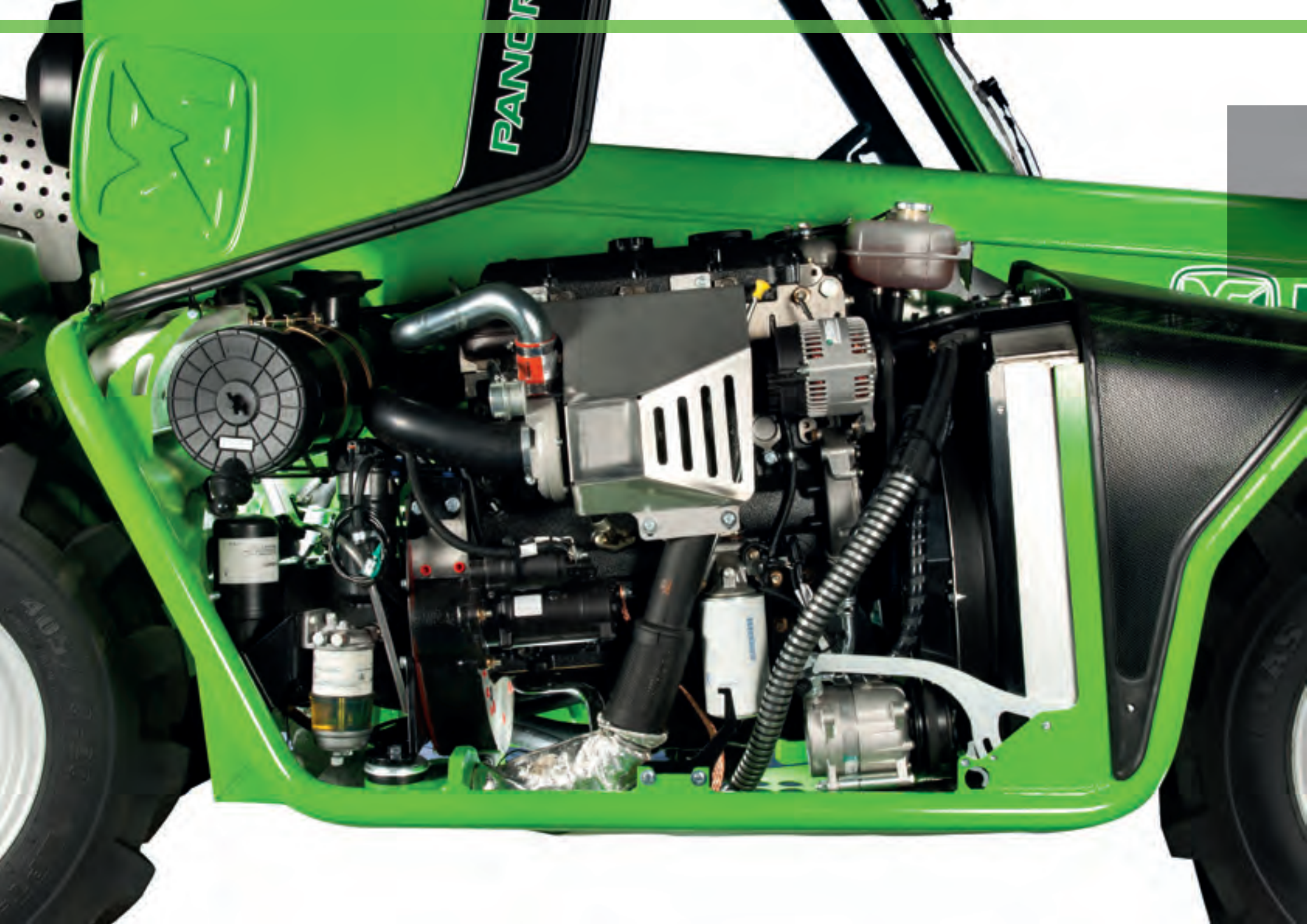
The Compact series is equipped with a cab similar to that used on the bigger, more powerful Merlo telehandlers. Access to the cab is made easy by the wide opening door and plenty of clearance between driver seat and steering wheel. The side pillar is positioned further to the rear to make it easy for more heavily built operators to get into the cab.

The internal cab width of 995 mm is the best in its class. The driving position has been designed according with the best ergonomic principles, with a logical layout for easy, precise control.

- ✓ The cab structure meets the international standards for FOPS and ROPS.
- ✓ Low Profile L version for multiple uses.
- ✓ Spacious driving position with plenty of room to move.
- ✓ 4.3m<sup>2</sup> of window glass make manoeuvring easier and less stressful.
- ✓ Transparent cab roof for maximum visibility when lifting loads.
- ✓ Forward/reverse shuttle control on steering column(opt), fingertip operation allows the operator to keep both hands on the steering wheel for maximum safety.
- ✓ A full complement of carefully designed analogue and digital instruments.
- ✓ Soundproofing panels deaden engine noise for improved operator comfort.
- ✓ Air conditioning (opt): designed to create the ideal work climate.
- ✓ Door opens to 180° with independently opening side window.



Access to the driving seat is simple and effortless, thanks to the optimal clearance between the steering wheel and the seat, as well as the wide-opening door, comprised of two elements both of which can be opened to 180°.





# ENGINE & TRANSMISSION



## COMPARISONS WITH THE COMPETITION

	MERLO	COMPETITOR 1	COMPETITOR 2
Litres per hour	7.7	10.6	12.77
Difference in litres		+2.9	+5.07
Annual usage: 1000 hours		+2900 litres	+5070 litres
Cost: 1.449 Euro/litre <sup>(2)</sup>		+4202.1 Euros	+7346.43 Euros

<sup>(1)</sup> TESTS PERFORMED BY LYCÉE AMPÈRE - VENDÔME - FRANCE

<sup>(2)</sup> 1.449 Euro per litre. Quoted on February 2013 by ADAC (German Automobile Club)

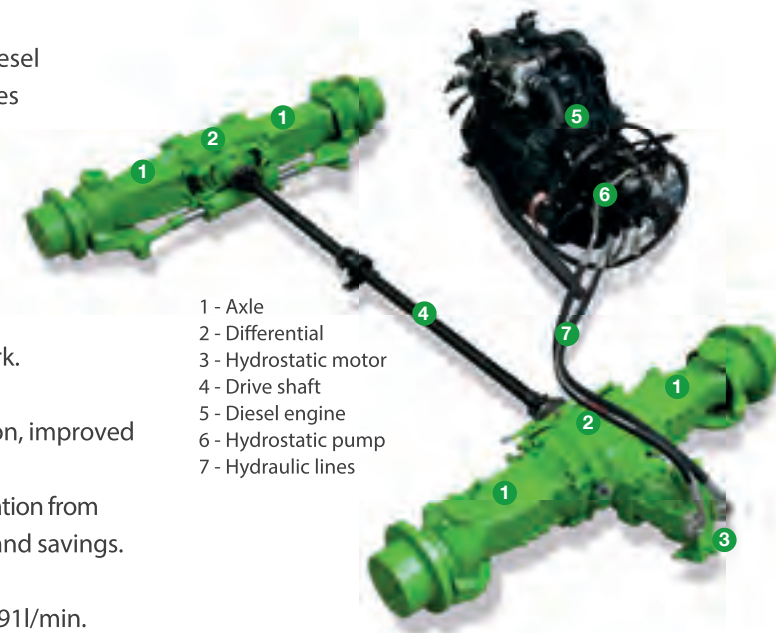
## Merlo technology helping you boost your productivity

High performance, reduced fuel consumption and guaranteed cost savings

The Merlo design team has opted for technologically advanced diesel engines, cutting edge hydrostatic transmissions and dry disc brakes to help reduce power consumption.

Electronic management of the engine and transmission optimises performance for minimum energy consumption. Independent tests<sup>(1)</sup> have confirmed savings in fuel consumption amounting to thousands of litre per annum, as well as a tractive force for the P 28.8 and P 32.6 of nearly 5000 kg, a value that ensures outstanding performance in materials handling and transport work.

- ✓ Merlo patented side-mounted engine: correct weight distribution, improved side visibility.
- ✓ Electronic engine/transmission management: outstanding acceleration from standing starts and fluid progression. Optimises working times and savings.
- ✓ Maintenance: easy access to engine components.
- ✓ Gear pumps: P 25.6/L 84 litres/min; P 28.8 and P 32.6 L Plus/Plus 91l/min. Advantageous costs/benefits ratio.
- ✓ Load-Sensing pump: on P 28.8 Top and P 32.6 Top with 108 l/min capacity. State-of-the-art.
- ✓ P 25.6/L: 36 km/h top speed, tow hitch, trailer braking. Productivity and safety.
- ✓ P 32.6 and P 28.8: 2-speed mechanical gearbox, 40 km/h. Increased productivity.
- ✓ Shuttle control on steering column (opt): precision manoeuvres, smooth and progressive shifting. Simple and practical.
- ✓ Dry disc brakes: maximum braking efficiency for minimum power loss.



- 1 - Axle
- 2 - Differential
- 3 - Hydrostatic motor
- 4 - Drive shaft
- 5 - Diesel engine
- 6 - Hydrostatic pump
- 7 - Hydraulic lines

1) P25.6: Kubota V3307 DI 3,4 l, 55kW/75hp. Max. torque of 265 Nm at 1400 rpm.

2) P28.8 and P32.6: Perkins 104D.44T 4.4 l, 74.5kW/101hp. Max. torque of 392 Nm at 1400 rpm.







# BOOM

## You can rely on the Merlo telescopic boom, synonymous with reliability, durability and safety

### Merlo helps you lift more and lift better



Merlo design engineers have created a telescopic boom that is sturdy, yet compact and light, and which has become the benchmark for its design, lifting capacity and operating speed. The boom is constructed from selected structural steel with welds along the neutral axis of flexure, ensuring the boom stays straight when fully extended and in all load conditions. Hoses and electrical cables are housed inside the boom, giving an external profile that is clean and snag free.

The ZM2 fork carriage allows use of all Merlo attachments.

Hydraulic attachment locking is performed from the cab, while hydraulic and electrical connections are of the quick-fit type.

- ✓ Quality steel: structural grade, strong and light. Greater load capacity.
- ✓ 2-section boom on the P 25.6 and P 32.6. Max. height of 6.4 metres on the P 32.6,
- ✓ 3-section boom: model P 28.8. The boom extension mechanism consists of a hydraulic ram for the first section, and cables for the subsequent section/s. Keeping the boom light optimises the lifting capacity and the payload.
- ✓ Hydraulic/electrical components: protected to ensure reliability.
- ✓ ZM2 fork carriage: interchangeability of Merlo attachments. Greater versatility.
- ✓ Tac-Lock: change attachments from the driving seat for increased operator comfort.
- ✓ Hydraulic/electrical connections: attachment power supply for max versatility.
- ✓ Joystick: simple and intuitive boom control via the joystick.
- ✓ Anti rollover system: automatic lockout of potentially dangerous manoeuvres.



The for carriage is equipped with the Tac-Lock hydraulic locking system, which allows rapid attachment changeover, in maximum operator comfort.







# AXLES

## Boost your productivity with features that are practical, effective and safe

### Merlo high-performance axles - manoeuvrable by design

#### FRONT WHEEL STEERING



#### ALL WHEEL STEERING

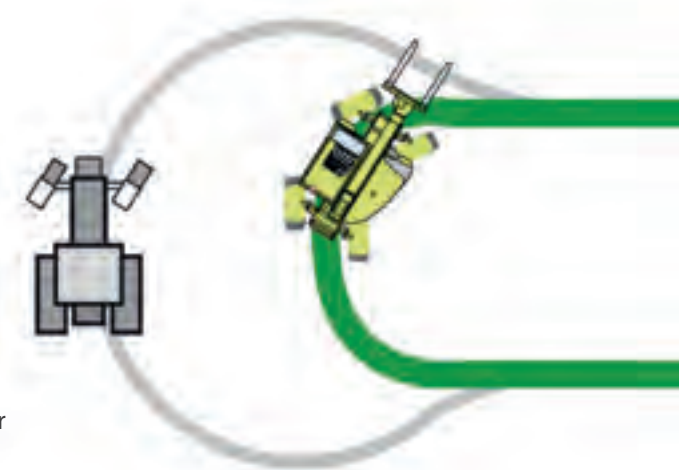


#### CRAB STEERING



Merlo designs and produces the majority of the components used on its telehandlers. Axles are integral part of every project and are designed and dimensioned to work in perfect harmony with the other main groups. The machines in the Compact series are fitted with two different types of axle: the P25.6 is equipped with an axle with planetary final drives that ensures a low centre of gravity, while the P28.8 and P32.6 are fitted with a portal axle affording greater ground clearance for improved handling and versatility. Both axles are fitted with dry disc brakes, automatic parking brake and differential lock (opt).

- ✓ Axles: Designed as an integral part of the product for maximum performance.
- ✓ Merlo axles: fully integrated in the product for higher functionality and superior quality.
- ✓ P 25.6: planetary final drives, allow for a low centre of gravity.
- ✓ P 28.8 and P 32.6: portal axle, ground clearance of 385 mm. More versatile.
- ✓ Three steering modes: front wheel, all wheel and crab, for enhanced manoeuvrability, efficiency and productivity.
- ✓ Permanently engaged four-wheel drive: maximum traction in all conditions.
- ✓ All wheel braking: servo assisted braking on all four wheels for maximum safety.
- ✓ Parking brake: activated automatically when the engine is shut off or from the in-cab control when required.
- ✓ Differential locks (opt) for improved traction over difficult terrain.



Three steering modes and an excellent turning circle ensure the machine is highly manoeuvrable and easy to handle, whatever the terrain.





# ATTACHMENTS

## From idea to reality - the multipurpose telehandler

Increase efficiency and productivity with Merlo interchangeable attachments



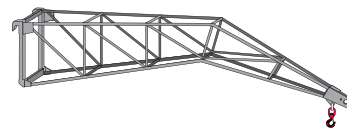
In the development of its products, Merlo applies some simple but effective guidelines. From project conception to completion, every stage of the process is completed in house within the Merlo Group. This simple «rule» also applies to our attachments. Drawing on a wealth of experience, Merlo engineers have developed a wide range of attachments of various types and load capacities. The P 28.8 and P 32.6 models are equipped with the ZM2 attachment carriage and therefore can use the same attachments as those designed for our higher range telehandler models, while the P 25.6 uses dedicated attachments. This standard allows access to production attachments, fully tested and interchangeable, designed with aim of making your work easier and quicker. The Merlo Compact models are true professional machines which extend the wide range of Merlo products.



CARRIAGE-MOUNTED HOOK



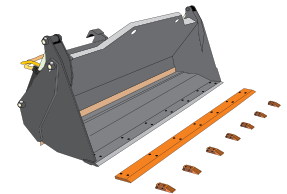
FLYING JIB



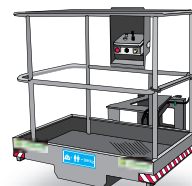
FORKS



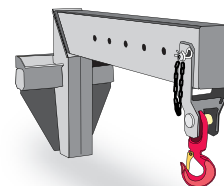
4X1 BUCKET



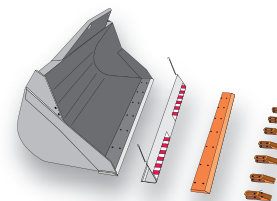
FIXED PLATFORM



CRANE ARM



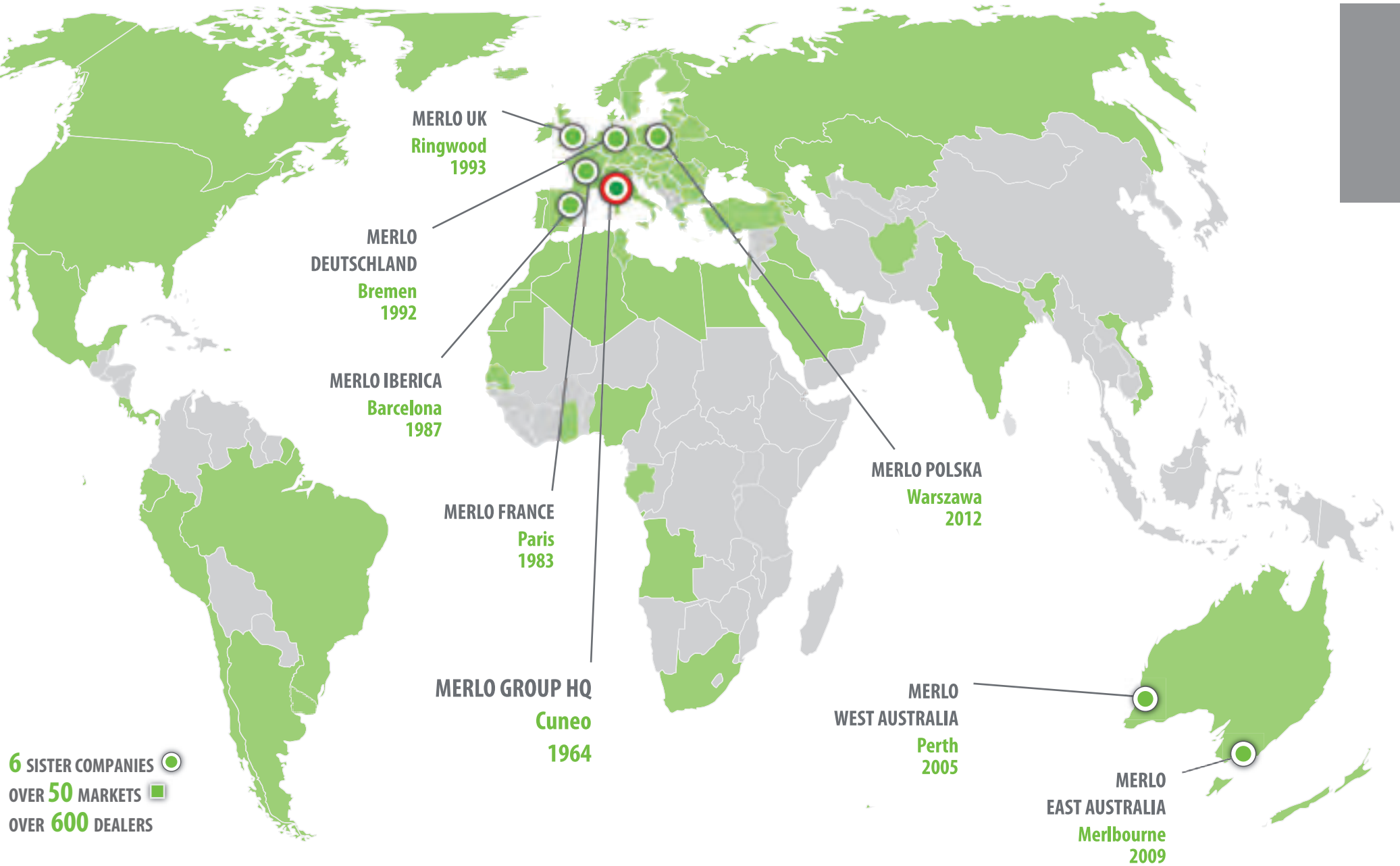
DIGGING BUCKET



CONCRETE SKIP









# MERLO WORLD

## In a globalised world, Merlo always puts its customers first!

### The benefits of being a Merlo customer, innovative products and tailor-made services



#### Excellent products backed up by excellent services

In our increasingly globalised and dynamic world, Merlo invests 10% of its turnover in product development, as we believe this is the key to increasing our market share in the international market place. Over the years, the Merlo brand has become synonymous with excellence and advanced technology. The first step towards certified quality was taken in 2008, when we brought our production system in line with the requirements of the ISO 9001 Quality Control standard. At the same time we laid the foundations of our company policy to always put the Customer first, implementing investments aimed at customer services in the areas of Financing, Service, Training, Parts and Telematic support, such as remote diagnostics with the Merlo Mobility project.



Automated Parts Store	2011	2012
Storage volume	1000 m <sup>3</sup>	10.000 m <sup>3</sup>
Capacity utilised	100%	60%
Percentage of parts stocked	50%	86%
Percentage of lines stocked	65%	94%
Picking time	90"	30"
Number of parts	8000	20000

#### New automated Parts Service with delivery in 24 hours

Included in these investments is the new Parts storage facility, which covers an area of 7000 m<sup>2</sup>. It provides 10,000 m<sup>3</sup> of storage space, enough to maintain a stock of 20,000 different parts. Furthermore, the facility is able to automatically manage 94% of the orders fulfilled each day, with average picking time of 30 seconds per line. The objective is to deliver urgent orders within 24 hours and to fulfill stock orders within one week, with service of the highest quality.

Focus on the customer is a challenge that Merlo has taken up and which it is determined to win, guaranteeing products, services and logistics to meet the needs of our customers and help them succeed in an increasingly dynamic and competitive worlds.



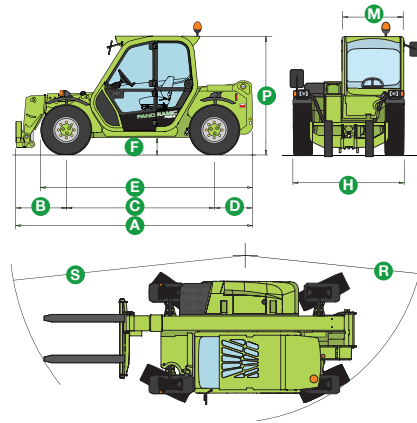
TECHNICAL DATA	P 25.6 / L	P 28.8 L	P 28.8 Plus / L Plus	P 28.8 Top	P 32.6 L	P 32.6 Plus / L Plus	P 32.6 Top
Unladen weight, with forks (kg)	4750	6400	6400	6400	6150	6150	6150
Maximum load capacity (kg)	2500	2800	2800	2800	3200	3200	3200
Maximum lift height (m)	5.9	8.2	8.2	8.2	6.4	6.4	6.4
Maximum reach (m)	3.3	5.3	5.3	5.3	3.4	3.4	3.4
Lift height at max. load capacity (m)	4.7	5	5	5	5.3	5.3	5.3
Reach at max. load capacity (m)	1.4	1.5	1.5	1.5	1.3	1.3	1.3
Load capacity at max. lift height (kg)	1750	1500	1500	1500	2600	2600	2600
Load capacity at max. reach (kg)	1000	600	600	600	1250	1250	1250
Turbo engine (make/cylinders)	Kubota/4	Perkins/4	Perkins/4	Perkins/4	Perkins/4	Perkins/4	Perkins/4
Tier 3 engine power (kW/hp)	55/75	74,5/101	74,5/101	74,5/101	74,5/101	74,5/101	74,5/101
Maximum speed (km/h)	36	25	40	40	25	40	40
Hydro-pneumatic Boom Suspension System (BSS)	-	○	○	○	○	○	○
Fuel tank capacity (l)	70	100	100	100	100	100	100
Hydraulic gear pump (bar - l/min)	210/80	210-91	210-91	-	210-91	210-91	-
Load sensing hydraulic pump (bar - l/min)	-	-	-	210-108	-	-	210-108
Hydraulic oil tank capacity (l)	70	85	85	85	85	85	85
FOPS (ISO 3449) and ROPS (ISO 3471) cab	●	●	●	●	●	●	●
Electromechanical joystick	○	●	●	●	●	●	●
Tac-Lock attachment locking	●	●	●	●	●	●	●
Auxiliary hydraulic service on boom	●	●	●	●	●	●	●
Two floating forks (length: 1200 mm)	●	●	●	●	●	●	●
Hydrostatic transmission	●	●	●	●	●	●	●
Finger-Touch forward/reverse shuttle	●	●	●	●	●	●	●
Pedal Inching-Control	●	●	●	●	●	●	●
Permanent four-wheel drive	●	●	●	●	●	●	●
All wheel steering	●	●	●	●	●	●	●
Automatic parking brake	●	●	●	●	●	●	●
Work lights on cab (2 front + 2 rear)	○	●	●	●	●	●	●
Standard tyres	12-16.5	405/70-20	405/70-20	405/70-20	405/70-20	405/70-20	405/70-20
Shift-on-the-Go gearbox	-	○	○	○	○	○	○

● Standard. ○ Optional.



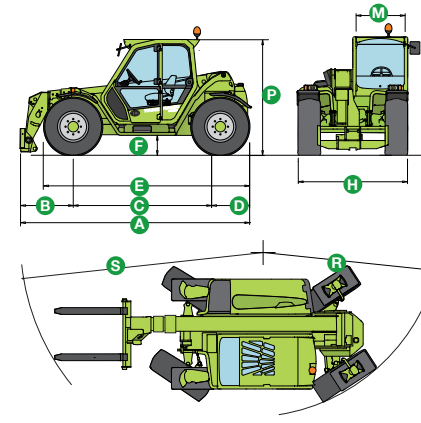
# TECHNICAL DATA

P 25.6 / P 25.6 L



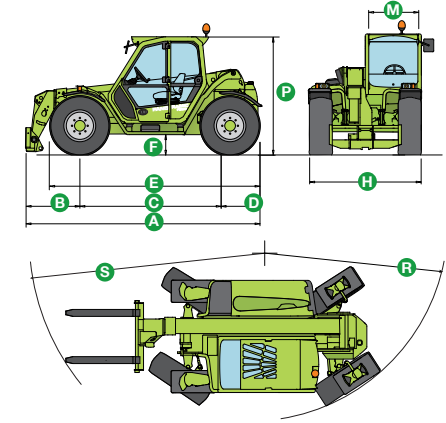
DIMENSIONS	P 25.6	P 25.6 L
A (mm)	3900	3900
B (mm)	835	835
C (mm)	2450	2450
D (mm)	615	615
E (mm)	3480	3480
F (mm)	270	270
H (mm)	1800	1800
M (mm)	995	995
P (mm)	1920	1770
R (mm)	3370	3370
S (mm)	4200	4200

P 28.8 L / Plus / L Plus / Top

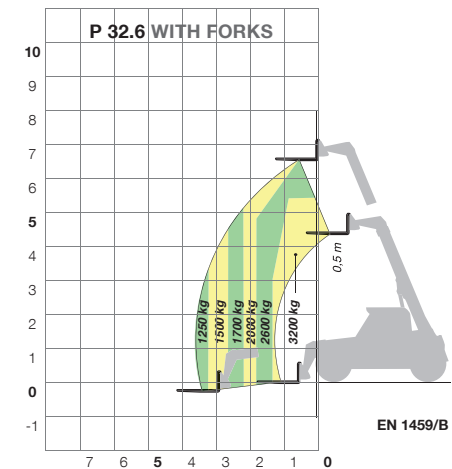
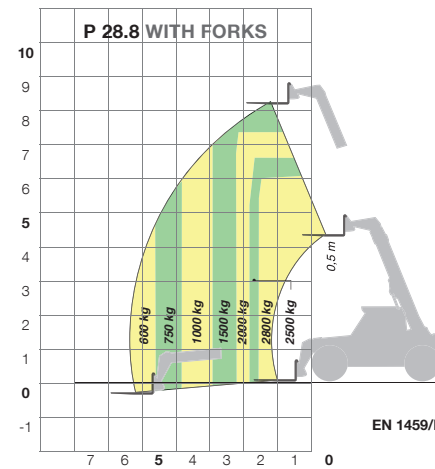
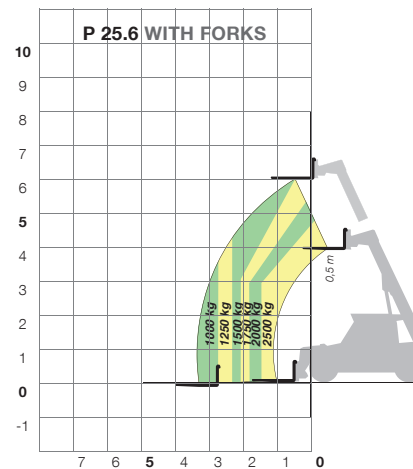


DIMENSIONS	P 28.8 Plus / Top	P 28.8 L / L Plus
A (mm)	4260	4260
B (mm)	1000	1000
C (mm)	2720	2720
D (mm)	530	530
E (mm)	3780	3780
F (mm)	385	385
H (mm)	2000	2000
M (mm)	995	995
P (mm)	2150	2000
R (mm)	3700	3700
S (mm)	4550	4550

P 32.6 L / Plus / L Plus / Top



DIMENSIONS	P 32.6 Plus / Top	P 32.6 L / L Plus
A (mm)	4220	4220
B (mm)	970	970
C (mm)	2720	2720
D (mm)	530	530
E (mm)	3780	3780
F (mm)	385	385
H (mm)	2000	2000
M (mm)	995	995
P (mm)	2150	2000
R (mm)	3700	3700
S (mm)	4550	4550





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*The telehandlers illustrated in this document may be equipped with optional or special accessories that do not form part of the standard supply but which are available on request.  
In some countries certain models or attachments may not be available as a result of market restrictions or regulations. The technical data and other information in this document were correct at the time of printing;  
however, we reserve the right to modify our products, without prior notice, as part of our policy of continuous technical improvement.  
Your Merlo dealer will be pleased to provide you with the latest information on all our products and services.*