Hypercompact

THE COMPACT MODEL THAT MAKES ALL THE DIFFERENCE



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The evolution of material handling in confined spaces

UNLADEN WEIGHT	MAX. CAPACITY	LIFT HEIGHT
< 3000 kg	1500 kg	4,86 m

Merlo's new **Hypercompact** range redefines material handling in the most complex environments and confined spaces. With an unladen weight designed for easy trailer transport and a lifting capacity of up to 3 tonnes and a lifting capacity of up to 1,5 tonnes at a height of 5 metres, the new Merlo model combines the robustness of a professional telehandler with unrivalled agility.

Designed for excellence in ***pick-and-carry*** operations, it allows loads to be moved with complete stability. Its key strength is its great transportability: thanks to its low weight, it can be easily loaded onto a standard light-duty trailer, reducing both costs and transport times. From logistics to urban construction sites, right through to the agricultural sector – including greenhouses and livestock farms – it is the ideal solution for ensuring maximum productivity wherever it is needed.


TF
15.5

Minimal footprint, maximum freedom of movement

With a width of just **1,55 m** and a height of **1,86 m**, the new Merlo Hypercompact effortlessly passes through industrial gates, greenhouses and urban construction sites.
Despite its ultra- compact profile, it maintains an excellent ground clearance of 21,5 cm (up to **23,5 cm** with optional tyres) to safely overcome obstacles and uneven ground. All the power of a professional telehandler, combined with the agility of an ultra-compact machine.

Tight spaces and narrow access points are no longer a limitation



Downtime between one job site and the next becomes a thing of the past

With an unladen weight of just **2800 kg**, the new Merlo range can be easily loaded onto a light-duty trailer, which can be towed directly by a conventional car with a standard driving licence.
This offers a huge logistical advantage for businesses, hire companies and agricultural operators, ensuring maximum freedom of movement whilst reducing transport costs and waiting times.





+ Visibility
+ Comfort
+ Safety

ROPS AND **FOPS LEVEL 1** PROTECTION

0,78 M
RECORD-BREAKING CAB INTERNAL WIDTH FOR THE SEGMENT



Unexpected interior space

With a **width of no less than 78 cm**, the cab exceeds industry standards, ensuring maximum space and ergonomics.

Every detail puts the operator first

From the standard **capacitive joystick** to the **intuitive digital display**, with the option of **air conditioning** for maximum comfort in every season.
This is complemented by unrivalled **360° visibility**, essential for manoeuvring in the tightest of spaces and monitoring the load at heights of up to 4,86 metres.

The cab offers **ROPS** and **FOPS Level 1** protection, which can be customised with the exclusive **shatter-proof glass roof** for an unobstructed view of the load.

Compliance with the **EN15000** standard and the integrated traffic light indicator ensure work is carried out with complete stability.

CAPACITIVE **JOYSTICK**




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15.5

Agility and power tailored to every need

Designed to ensure low fuel consumption and maximum efficiency

Under the bonnet lies the reliable 1642 cc Yanmar engine with two power ratings: 17,8 and 27,5 kW.

The large **42-litre fuel tank** ensures long working autonomy, whilst the **hydrostatic transmission** offers precise control over movements.

The powertrain is completed by the **new, exclusive Merlo axles**. Designed to offer maximum robustness, excellent manoeuvrability (steering angle of 38°) and unbeatable traction thanks to the rear oscillation, these axles ensure extraordinary agility on any terrain and high braking capacity guaranteed by the **4 disc brakes**.



ENGINE POSITIONED **LONGITUDINALLY** AND ON THE SIDE OF THE MACHINE

TWO POWER RATINGS:
- **17,8 KW**
- **27,5 KW**

Manoeuvres with millimetre-level precision in any space thanks to the three steering modes



FRONT-WHEEL STEERING



PIVOT STEERING



CRAB STEERING


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Designed to make your day-to-day work easier

A unique design that offers exceptional strength and stability when lifting at heights of up to 4,86 metres

The high-efficiency hydraulic system ensures extremely fast work cycles, guaranteeing smooth, precise and simultaneous movements.
Strength and reliability come together in the Merlo two-section boom, made using the renowned **double-C design welded along the neutral bending axis**.

Its operational power is complemented by simplified maintenance

The wide-opening bonnets and the clever layout of the components ensure immediate access to filters, fluid levels and lubrication points, minimising machine downtime.

	TF 15.5	P 15.5
Hydraulic system flow rate	42 l/min	34 l/min
Operating pressure	200 bar	180 bar

A handy **compartment** built into the chassis provides space for spanners and specialised tools, enabling daily vehicle maintenance to be carried out with the utmost convenience.





1. 2-SPIKE STRAW BALE FORK
2. FORK FOR MANURE/STRAW WITH GRAB
3. HOOK ON CARRIAGE
4. BUCKET 4X1
5. WRAPPED STRAW BALE CLAMP
6. STRAW BALE CLAMP
7. FLOATING FORKS

One machine, infinite possibilities

The machine is fully versatile

Thanks to the **standard ZM2S carriage**, supplemented by dedicated hydraulic and electrical outlets for operating and changing attachments quickly and effortlessly.

The wide range of options and the variety of attachments manufactured by Merlo allow the machine to be tailored to the needs of every sector

From **boom suspension (OPT)** to protect the load during transport, to the **differential lock**, **additional work lights** and **dedicated tyres** ideal for maximum traction or for protecting agricultural and soft ground.

TAC-LOCK HYDRAULIC SYSTEM



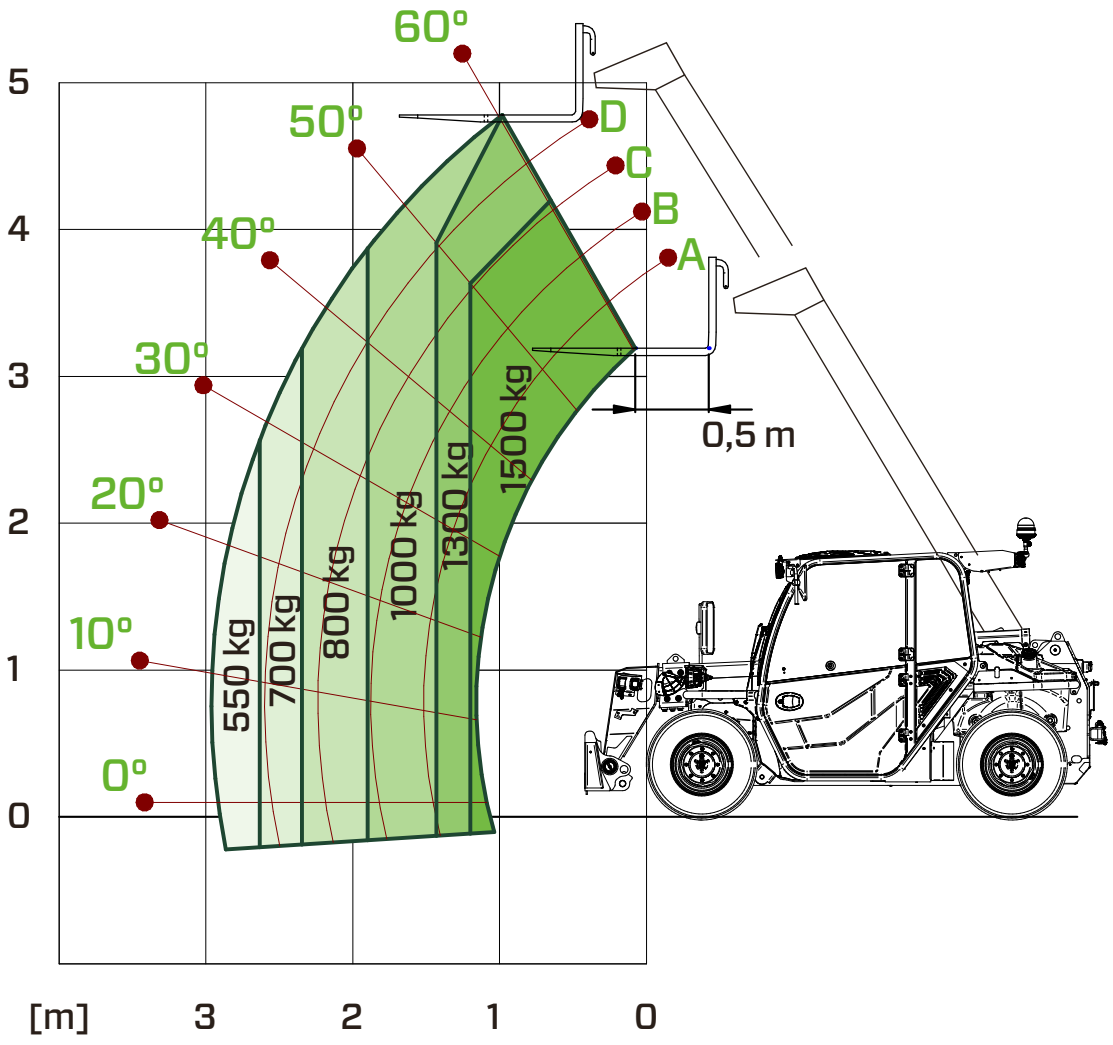
The **Tac-Lock** hydraulic system allows attachments to be locked in place directly from the cab, speeding up attachment changes in complete safety.

THE TOW **HOOK**



In the **TF 15.5** version, its type-approval as an agricultural tractor and its **tow hook** make the machine the ideal partner for day-to-day tasks in barns and on farms.

MODEL	TF15.5	P15.5
Length (mm)	3350	3350
Wheelbase (mm)	2180	2180
Ground clearance (mm)	215	215
Width (mm)	1550	1550
Cab width (mm)	780	780
Height (mm)	1860	1860



MODEL	TF15.5	P15.5
PERFORMANCE		
Unladen weight (kg)	2850	2800
Maximum load capacity (kg)	1500	1500
Lift height (m)	4,9	4,9
Maximum reach (m)	2,9	2,9
Boom section	2	2
POWERTRAIN		
Engine	YANMAR	YANMAR
Displacement/Cylinders (l)	1,6/3	1,6/3
Engine power (kW/HP)	27,5/37	17,8/24
Anti-pollution technology	Stage V - DPF	Stage V
Reversible fan	–	–
Maximum speed (km/h)	25	15
Fuel tank capacity (l)	42	42
AdBlue tank capacity (l)	–	–
Hydrostatic transmission	1 V	1 V
Electronic joystick control	•	•
Axles	Axial	Axial
Brakes	Dry discs	Dry discs
HYDRAULIC SYSTEM		
Delivery / pressure (bar-l/min)	42-200	34-180
Hydraulic oil tank capacity (l)	40	40
CAB		
Safety devices	EN15000	EN15000
FOPS/ROPS Cab	•	•
Air-conditioning	o	–
CONFIGURATION		
Boom suspension	o	o
Permanent four-wheel drive	•	•
Three steering ways	•	•
Standard tyres	10,0/75-15,3	10,0/75-15,3
Stabilisers	–	–

– NOT AVAILABLE • STANDARD o OPTIONAL

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