



A.R.PRO.M.A. Associazione Revisori, Produttori di Macchine ed Attrezzature Agricole - via Molinasso 18 - 12038 Savigliano (CUNEO) - Tel. +39 0172 712207 - Cod. Fisc. 96031820044 - www.arproma.it - arproma@confartcn.it

COMPANY PROFILE

company data (*dati aziendali*)

Company Name (Ragione Sociale): Merlo Spa Industria Metalmeccanica

Address (Indirizzo): Via Nazionale,. 9

City (Comune): Cervasca

Phone: 0171614111

Fax: 0171684101

E mail: info@merlo.com

Website: www.merlo.com

Last Turnover (Ultimo fatturato disponibile): Over 400 Millions

N° of employees (n° di dipendenti): over 1200

Contact Person - name and position (Persona di riferimento – nome e titolo): Bodino Mattia – Marketing Communication

Spoken Languages (Lingue parlate): Italian, English, French, Spanish

activity (*attività*)

Short Description of your Company and **Production** (Breve descrizione dell'azienda e della produzione): Merlo is a manufacturer of high technology machines. We produce: telehandlers, telescopic tractors, tracked carriers, tool-carrier tractors

Specific sector of activity (settore specifico di utilizzo dei vostri macchinari)

X Wine growing (viticoltura)

X Zootechnics (zootecnia)

X Agriculture (agricoltura)

X Forestry (silvicoltura)

X Gardening (giardinaggio)

x Other (Altro) Please detail (specificare): Biogas, Construction, Military

certifications and other information (certificazioni e altre informazioni)

Does your company have quality certifications? (L'impresa possiede certificazioni di qualità?)

☒ YES (SI) ☐ NO (NO)

If yes, please detail (se sì, specificare):

☒ ISO 9001

☐ ISO 14000

☐ CE Mark (Marchio CE)

☐ Other (Altro) Please detail (specificare):

Does your company have environmental certifications? (L'impresa possiede certificazioni ambientali?)

☐ YES (SI) ☒ NO (NO)

If yes, please detail (se sì, pregasi dettagliare):

Does or did your company participate in co-design activities together with clients? (La vostra impresa partecipa o ha partecipato da attività di co-progettazione con uno o più client?)

☒ YES (SI) ☐ NO (NO)

Does your company invest in R&D? (L'impresa investe in ricerca e sviluppo?)

☒ YES (SI) ☐ NO (NO)

If yes, please give turnover % (se sì, fornire % fatturato): 8/10%

Did your company register any patents? (L'impresa ha depositato brevetti?)

☒ YES (SI) ☐ NO (NO)

If yes, please detail in which country/ies (se sì, pregasi dettagliare in quale paese/i): worldwide

Main competition factors of the company (principali fattori competitivi dell'azienda)

☐ Price (Prezzo)

☒ Quality (Qualità)

☒ Technology (Tecnologia)

☒ Customization (Customizzazione)

☒ Service (Servizio)

☐ Other (Altro) Please detail (specificare):

Export (esportazioni)

Do you export any products? (La sua Azienda opera già con l'estero?):

☒ YES (SI) ☐ NO (NO)

If yes, please give Export % of Turnover (Se sì, fornire % Export del fatturato) 85%

Do you already export to (Esportate già in):

☒ Paesi - specificare 54 countries

Partners you are looking for (Tipologia di partner commerciali cui siete interessati):

☒ Agents/Brokers/Procurers (Agenti/broker/segnalatori)

☒ Importers/Distributors (Importatori/Distributori)

☒ Manufacturers (Produttori)

☒ Other (Altro) Please detail (specificare): buyers

Briefly describe the profile of your ideal partner (descrivere brevemente le caratteristiche dei partner ideali per la vostra azienda): Great service and already established sales network

Please give any other information you consider useful (Altre informazioni che ritenete utili):

attachments (allegati)

☒ Electronic Catalogue or Brochure (Catalogo e/o depliant di presentazione dell'azienda **in INGLESE** in formato elettronico)

informazione tecnica

L'azienda dichiara di essere:

associata ad A.R.PRO.M.A. ☒ SI ☐ NO

espositrice alla Fiera della Meccanizzazione Agricola di Savigliano 2018 ☒ SI ☐ NO



AGRICULTURE



Merlo's factories in San Defendente di Cervasca (Cuneo) cover an area of 300,000 m² (with 220,000 m² indoor facilities)

1. Merlo SpA main offices
2. Final assembly lines
3. Lines for assembling components and cabs
4. Moulding of technopolymers
5. Automated storing and shipping centre
6. Machines plus attachments shipping centre
7. Final quality control
8. Technological centre
9. Steel and structural assembly lines centre
10. 3M attachments
11. CFRM (Training & Research Centre)

The Merlo Group

N° 1 for technology and safety

The Merlo brand has always been synonymous with advanced technology in the telehandler field and our history, since 1964, is hallmarked by an experience based on determination and passion. The development of complex products, from the idea to the result, from design to sales, means being able to propose innovative solutions to advance needs and orientations of the most competitive markets. The outcome of our efforts are compact, easy to handle telehandlers ensuring incomparable operating performance, comfort, efficiency and safety.

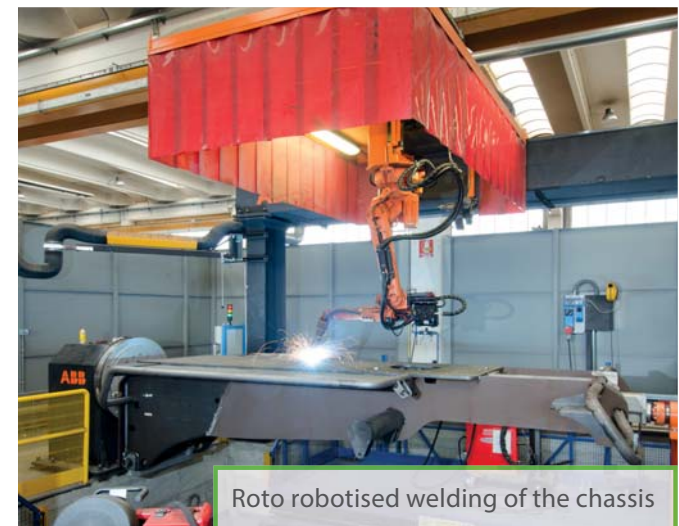
At Agritechnica 2013, three important awards were received to demonstrate the technological and innovative superiority of our products: gold Medal for innovation at Agritechnica (Turbofarmer 42.7 Hybrid), «Machine of the year 2014» in the handling and logistics category (Turbofarmer II), «milestone» in agriculture (Multifarmer).

The new modular Medium Duty and Compact Turbofarmer range was named «Machine of the Year» 2015 at Sima 2015 in the handling and logistics sector.

- Over 1.100 employees
- Surface area of 300,000 m² of which 220,000 m² are indoors
- 90% exports
- 600 dealers all over the world
- 8% of turnover invested in Research & Development
- 60 manufacturing robots



Automated boom bending workstation

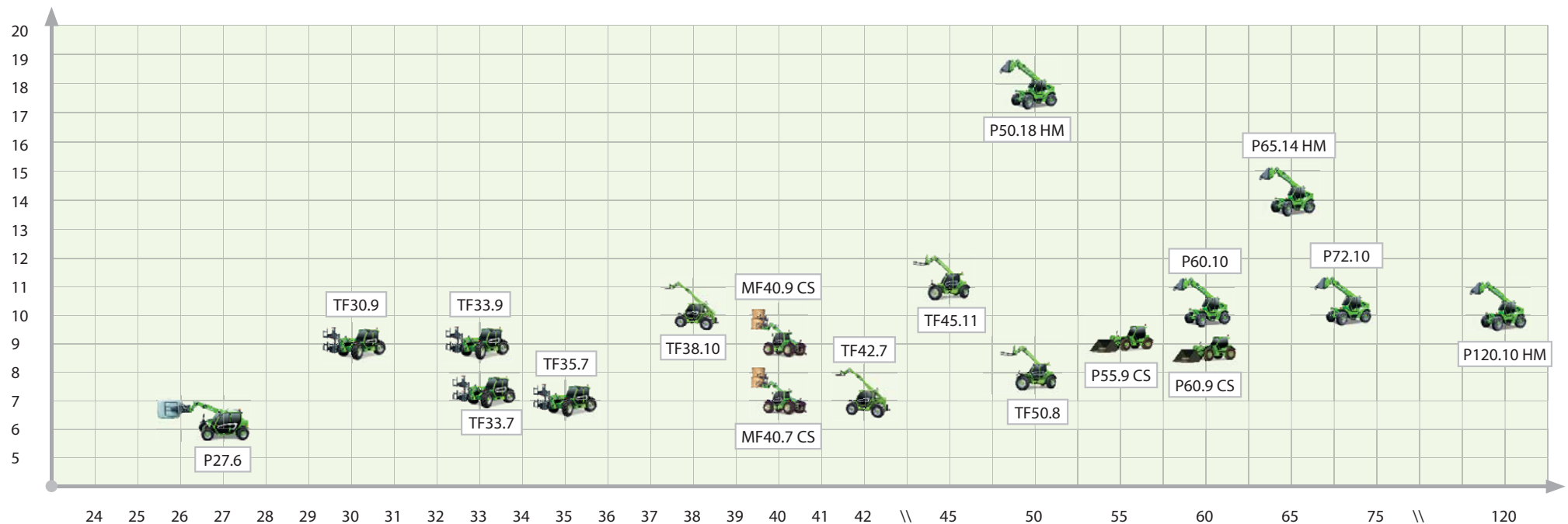


Robo robotised welding of the chassis



Merlo presents its range of products
for the agricultural sector
with new machines and technologies

Merlo technology has led the market
for over 50 years



- ✓ Maximum speed 40 km/h (54,6 kW model): unique in its class
- ✓ Type approved as an on-road agricultural tractor (optional)
- ✓ 5,9 metre boom: height, speed, performance
- ✓ Hydrostatic transmission with stepless variation from 0 to 40 km/h without torque interruption
- ✓ Two levels of torque and power
- ✓ The widest cab in its category: 1010 mm
- ✓ Maximum visibility in every direction

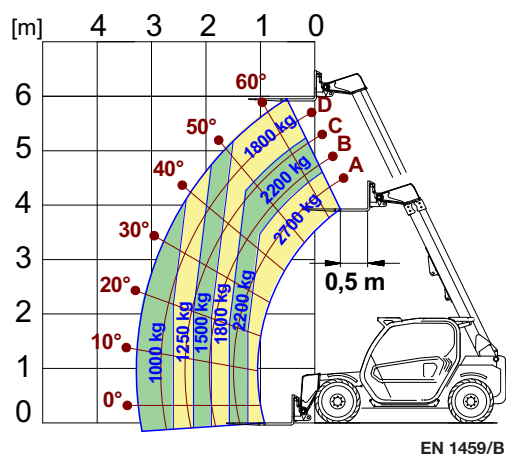


SUPER COMPACT

The new P27.6: practical, multi-purpose, compact and easy to handle

The most comfortable and high performance model in its category

P27.6 WITH FORKS



Merlo has designed a range of Compact telehandlers - including the P27.6 model, a real Super Compact - normally used for over a thousand hours a year, and designed for multiple applications to make it practical, multi-purpose and easy to handle. Suitable for applications such as agricultural, zootechnical, poultry farms and nurseries, as well as for fruit production, municipalities and many more. The boom extends to a height of 5,9 metres and can handle loads up to 2,700 kg. The P27.6 permits a faster amortisation of investment, estimated at 50-80% higher compared with a rigid front loader. Merlo telehandlers help improve the profitability, efficiency and competitiveness of your company.



TECHNICAL INFORMATION	P27.6	P27.6 PLUS	P27.6 TOP
Total unladen mass, with forks (kg)	4850	4850	4850
Maximum capacity (kg)	2700	2700	2700
Lifting height (m)	5.9	5.9	5.9
Turbo engine (brand/cylinders)	Kubota/4	Kubota/4	Kubota/4
Tier 4 Interim engine power (kW/hp)	36,5/50*	54,6/74,3	54,6/74,3
Maximum speed (km/h)	25	40	40
Hydraulic system	Gears	Gears	Gears
FOPS (ISO 3449) and ROPS (ISO 3471) cab	●	●	●
Type-approved as an agricultural tractor	○	○	○
Width (mm)	1840	1840	1840
Height (mm)	1950	1950	1950
Length (mm)	3910	3910	3910

* Tier 3 engine. ● As standard. ○ On request.





- ✓ The widest in its category (1010 mm) as standard
- ✓ Maximum speed 40 km/h as standard: unique in its category
- ✓ Type approved as an agricultural tractor
- ✓ Cab complies with ROPS and Level II FOPS standards
- ✓ Compact dimensions, also available in L (Low Profile) version with cab lowered to 2.02 m.
- ✓ Improved performance with reduced consumption: up to 18% less diesel thanks to EPD (Eco Power Drive) fitted as standard
- ✓ 75 HP Tier 4 Interim and 115 HP Tier 4 Final engines as standard

COMPACT MODULAR

Compact modular telehandlers range, technology and versatility with reduced dimensions

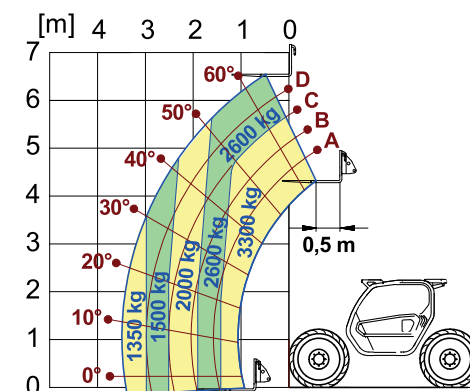
TF33.7 and TF30.9 75 hp and 115 hp engines



Models TF33.7 and TF30.9 in the Compact range of modular handlers are designed for applications in agricultural, zootechnical, poultry, nursery, fruit farming and municipal maintenance sectors.

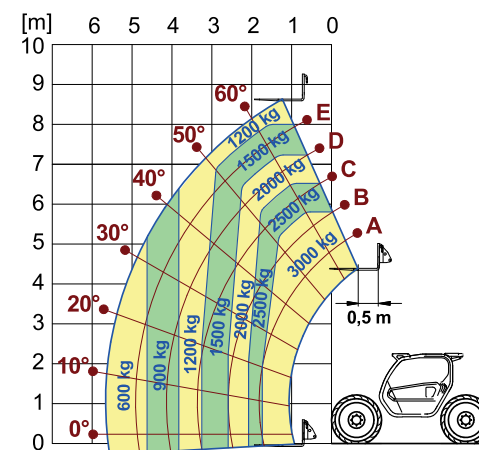
Models TF33.7 and TF30.9 are fitted with electronically-controlled engines: 54,6 kW/75 HP (Tier 4 Interim) and 85 kW/115 HP (Tier 4 Final). They can handle loads up to 3.3 tonnes (TF33.7), lift loads up to 9 metres high (TF30.9) and haul up to 21 tonnes in complete safety, thanks to a hydraulic trailer brake.

TF 33.7 WITH FORKS



EN 1459/B

TF 30.9 WITH FORKS



EN 1459/B

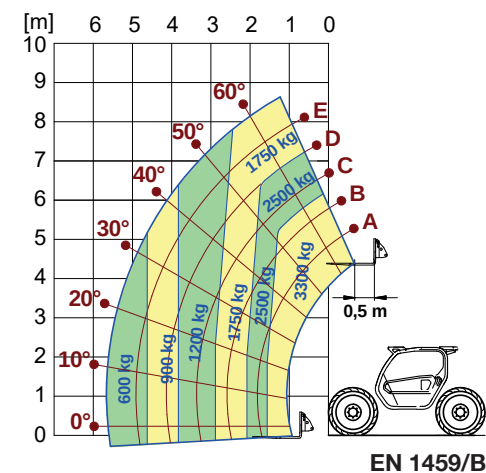
TECHNICAL INFORMATION	TF 33.7 G	TF 33.7 - 115 G	TF 33.7 - 115	TF 30.9 G	TF 30.9 - 115 G	TF 30.9 - 115
Total unladen mass, with forks (kg)	6500	6500	6500	6700	6700	6700
Maximum capacity (kg)	3300	3300	3300	3000	3000	3000
Lifting height (m)	6.6	6.6	6.6	8.6	8.6	8.6
Turbo engine (brand/cylinders)	Deutz/4	Deutz/4	Deutz/4	Deutz/4	Deutz/4	Deutz/4
Tier 4 Final engine power (kW/hp)	55,4/75*	85/115	85/115	55,4/75*	85/115	85/115
Maximum speed (km/h)	40	40	40	40	40	40
Hydraulic system	Gears	Gears	Load Sensing	Gears	Gears	Load Sensing
FOPS (ISO 3449) and ROPS (ISO 3471) cab	●	●	●	●	●	●
Type-approved as an agricultural tractor	○	○	○	○	○	○
Width (mm)	2100	2100	2100	2100	2100	2100
Height (mm)	2120/2020 ⁽¹⁾	2120/2020 ⁽¹⁾	2120/2020 ⁽¹⁾	2120/2020 ⁽¹⁾	2120/2020 ⁽¹⁾	2120/2020 ⁽¹⁾
Length (mm)	4310	4310	4310	4330	4330	4330

*Tier 4 Interim engine ⁽¹⁾Version with standard and Low Profile cab. ● As standard. ○ On request.

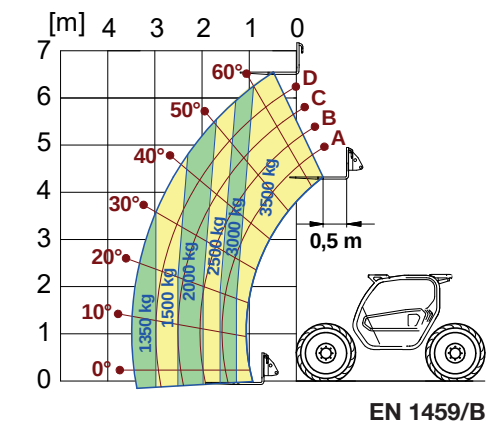


- ✓ The widest cab in its category (1010 mm)
- ✓ Cab complies with ROPS and FOPS Level II standards
- ✓ CS suspended cab, patented solution
- ✓ "Dual Control" reverse shuttle on joystick and steering wheel
- ✓ Automatic accelerator on joystick (LS models)
- ✓ Maximum speed 40 km/h as standard
- ✓ M CDC Light with light bar indicator on right side pillar (load sensing models only)
- ✓ Reduced fuel consumption with EPD as standard
- ✓ Two-speed hydrostatic transmission
- ✓ Load-sensing or gear pump
- ✓ Towing hook and hydraulic/pneumatic trailer brake (optional)

TF 33.9 WITH FORKS



TF 35.7 WITH FORKS



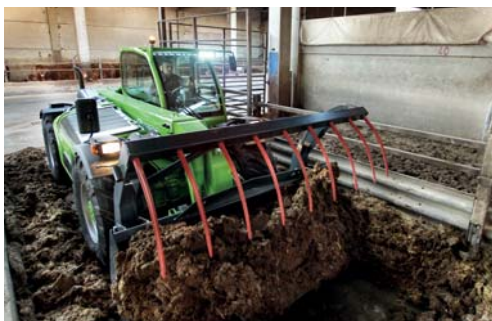
DIMENSIONS	TF35.7	TF33.9
Height (mm)	2240/2300*	2240/2300*
Width (mm)	2250	2250
Length (mm)	4310	4330

* with CS activated

MEDIUM DUTY

The Turbofarmer Medium Duty range of modular telehandlers

Cutting-edge technologies and performance for all our clients



The Turbofarmer range just got bigger with a new range of telehandlers in one of the most important sectors of agriculture - 3.5 & 3.3 tonnes for heights of 7 and 9 metres. Medium Duty Turbofarmer telehandlers come in two basic models - TF35.7 and TF33.9 - and 10 different versions.

With engine power of 75 hp and 115 hp, these models have compact, tailored dimensions among the best in their category, thereby ensuring maximum safety, comfort and productivity.



TECHNICAL INFORMATION	TF 35.7 G	TF 35.7 - 115 G	TF 35.7 - 115	TF 35.7 - 115 CS	TF 33.9 G	TF 33.9 - 115 G	TF 33.9 - 115	TF 33.9 - 115 CS
Total unladen mass, with forks (kg)	6650	6650	6650	6800	6950	6950	6950	7100
Maximum capacity (kg)	3500	3500	3500	3500	3300	3300	3300	3300
Lifting height (m)	6,6	6,6	6,6	6,6	8,6	8,6	8,6	8,6
Turbo engine (brand/cylinders)	Deutz/4	Deutz/4	Deutz/4	Deutz/4	Deutz/4	Deutz/4	Deutz/4	Deutz/4
Tier 4 Final engine power (kW/HP)	55,4/75*	85/115	85/115	85/115	55,4/75*	85/115	85/115	85/115
Maximum speed (km/h)	40	40	40	40	40	40	40	40
Hydraulic system	Gears	Gears	Load Sensing	Load Sensing	Gears	Gears	Load Sensing	Load Sensing
CS - Suspended cab	-	-	-	●	-	-	-	●
Type approval as an agricultural tractor	○	○	○	○	○	○	○	○
EPD - Eco Power Drive	-	Standard	Top	Top	-	Standard	Top	Top
Gearbox	2 speeds	2 speeds	2 speeds	2 speeds	2 speeds	2 speeds	2 speeds	2 speeds

*Tier 4 Interim engines. ● As standard. ○ On request.



The Turbofarmer II range comes from all the experience of Merlo in the field of telescopic handlers and is based on a modular concept which improves order management, production process and quality by reducing delivery times.

The Turbofarmer II range is completely new both in terms of design and project, and it's geared to the main sector of agricultural telehandlers. The two models, TF 42.7 and TF 38.10, are available in 12 different versions, meaning you can choose the option best suited to your task: with maximum comfort, productivity and safety.

TURBOFARMER II

Turbofarmer II: the agricultural telehandlers designed by Merlo

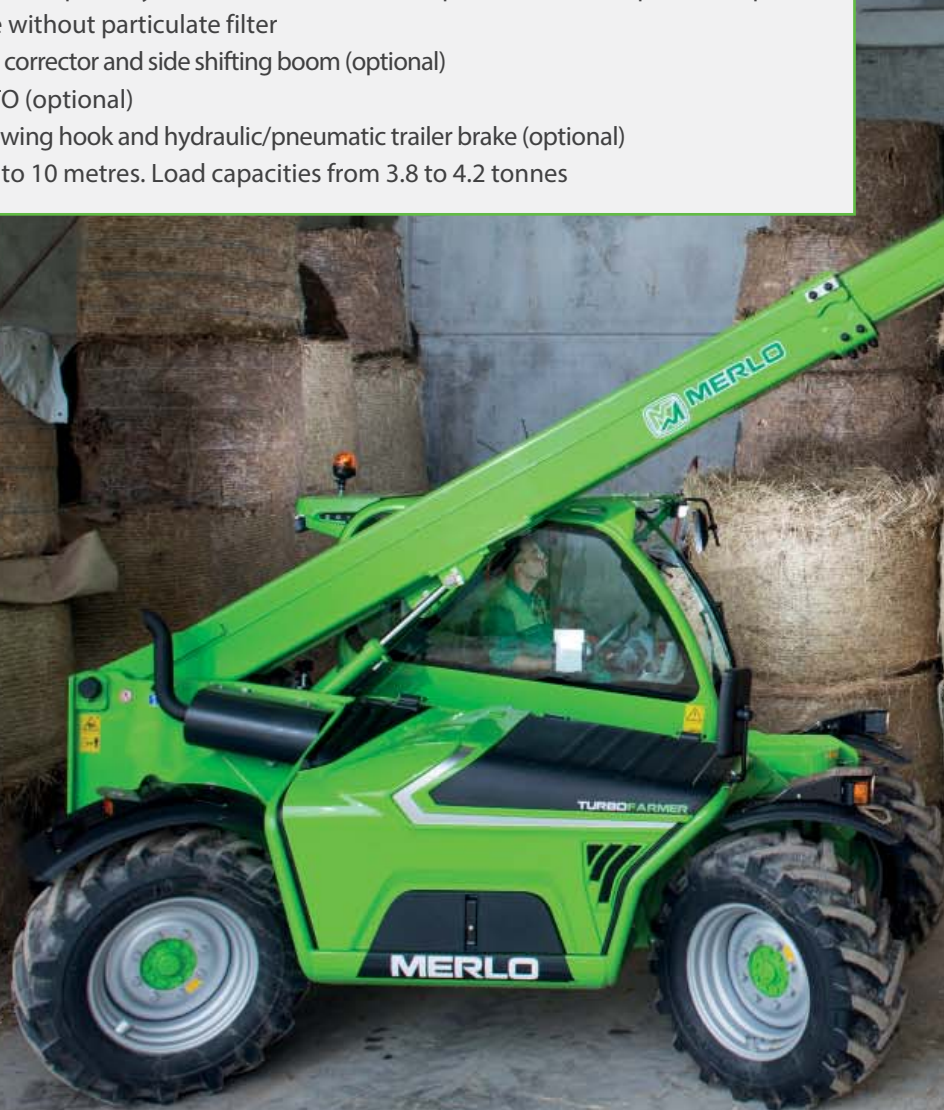
2 models, 12 versions - for every application. 8 CS (suspended cab) versions and 6 TT (chassis levelling + side shift) versions

TECHNICAL INFORMATION	TF 42.7 140	TF 42.7 CS 140	TF 42.7 CS 140 CVTronic	TF 42.7 TT 140	TF 42.7 TT CS 140	TF 42.7 TT CS 140 CVTronic	TF 38.10 140	TF 38.10 CS 140	TF 38.10 CS 140 CVTronic	TF 38.10 TT 140	TF 38.10 TT CS 140	TF 38.10 TT CS 140 CVTronic
Total unladen mass, without forks (kg)	7450	7450	7450	7900	7900	7900	7900	7900	7900	8350	8350	8350
Maximum capacity (kg)	4200	4200	4200	4200	4200	4200	3800	3800	3800	3800	3800	3800
Lifting height (m)	7.1	7.1	7.1	7.1	7.1	7.1	9.5	9.5	9.5	9.5	9.5	9.5
Turbo engine (brand/cylinders)	Deutz/4	Deutz/4	Deutz/4	Deutz/4	Deutz/4	Deutz/4	Deutz/4	Deutz/4	Deutz/4	Deutz/4	Deutz/4	Deutz/4
Tier 4 Final engine power (kW/hp)	100/136	100/136	100/136	100/136	100/136	100/136	100/136	100/136	100/136	100/136	100/136	100/136
Maximum speed (km/h)	40	40	40	40	40	40	40	40	40	40	40	40
BSS hydro-pneumatic boom suspension	○	○	○	○	○	○	○	○	○	○	○	○
Load-sensing hydraulic pump (bar-l/min)	210/150	210/150	210/150	210/150	210/150	210/150	210/150	210/150	210/150	210/150	210/150	210/150
Flow sharing distributor	○	●	●	○	●	●	○	●	●	○	●	●
Electromechanical joystick	●	-	-	●	-	-	●	-	-	●	-	-
Electronic joystick	○	●	●	○	●	●	○	●	●	○	●	●
Gearbox	2 speeds	2 speeds	CVTronic	2 speeds	2 speeds	CVTronic	2 speeds	2 speeds	CVTronic	2 speeds	2 speeds	CVTronic
CS - suspended cab	-	●	●	-	●	●	-	●	●	-	●	●
TT - tilt and shift chassis	-	-	-	●	●	●	-	-	-	●	●	●
EPD - Eco Power Drive	Plus	Top	Top	Plus	Top	Top	Plus	Top	Top	Plus	Top	Top
Mechanical PTO (540/1000)	○	○	○	○	○	○	○	○	○	○	○	○
Dynamic load control M CDC LIGHT	●	●	●	●	●	●	●	●	●	●	●	●
Type-approved as an agricultural tractor	○	○	○	○	○	○	○	○	○	○	○	○

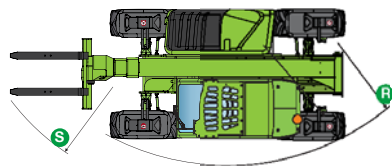
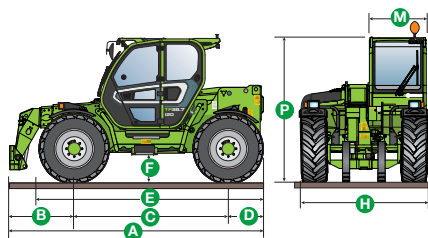
CDC Merlo display and Premium cab available as an option with all models.

● As standard. ○ On request.

- ✓ Cab complies with Level II ROPS and FOPS standards
- ✓ M CDC Dynamic load control as standard
- ✓ Cab width 1010 mm, the most spacious in its category
- ✓ CS suspended cab, a unique patented solution
- ✓ Reduced fuel consumption with EPD as standard
- ✓ M CVTronic or two-speed hydrostatic transmission, stepless without torque interruption
- ✓ 136 HP engine without particulate filter
- ✓ "TT" version: tilt corrector and side shifting boom (optional)
- ✓ Mechanical PTO (optional)
- ✓ Tow bar and towing hook and hydraulic/pneumatic trailer brake (optional)
- ✓ Booms from 7 to 10 metres. Load capacities from 3.8 to 4.2 tonnes



TECHNICAL INFORMATION

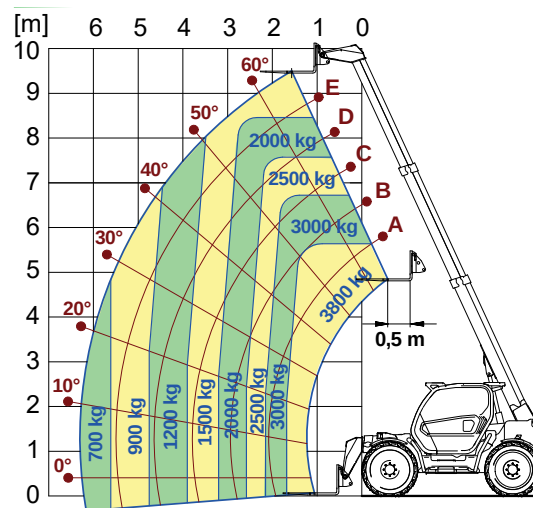


DIMENSIONS OF TURBOFARMER II

A (mm)	4520	4560
B (mm)	1125/1075*	1165/1115*
C (mm)	2750/2800*	2750/2800*
D (mm)	645	645
E (mm)	3926/3976*	3926/3976*
F (mm)	460	460
H (mm)	2250	2250
M (mm)	1010	1010
P (mm)	2490**	2490**
R (mm)	3985	3985
S (mm)	4800	4800

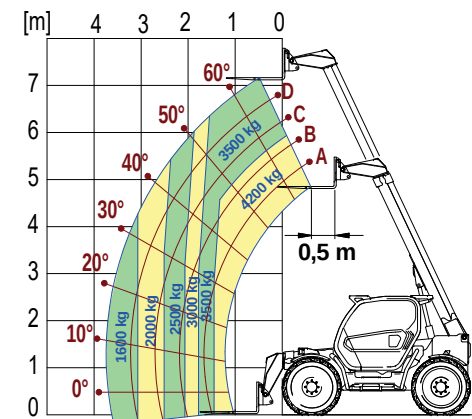
* version TT - ** version CS with deactivated cab

TF 38.10 WITH FORKS



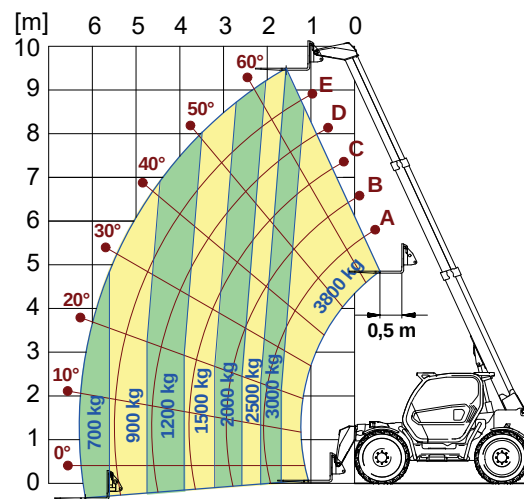
EN 1459/B

TF 42.7 WITH FORKS



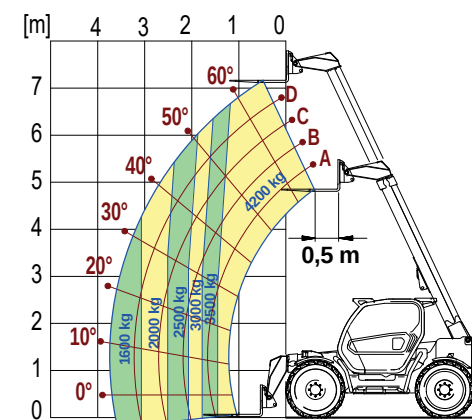
EN 1459/B

TF 38.10 TT WITH FORKS



EN 1459/B

TF 42.7 TT WITH FORKS

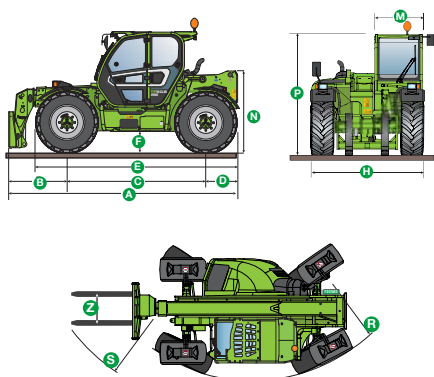


EN 1459/B

- ✓ Cab complies with ROPS and FOPS Level II standards
- ✓ M CDC Dynamic load control as standard
- ✓ Cab width 1010 mm, the most spacious in its category
- ✓ Reduced fuel consumption with EPD as standard
- ✓ Engines: 170 HP without particulate filter
- ✓ "T" version: tilt corrector and side shifting boom
- ✓ Towing hook and hydraulic/pneumatic trailer brake (optional)
- ✓ Booms from 8 to 11 metres. Load capacities from 4.5 to 5 tonnes



HEAVY DUTY



DIMENSIONS	TF 50.8	TF 45.11
A (mm)	4835	4970
B (mm)	1220	1380
C (mm)	2920	2920
D (mm)	670	670
E (mm)	4240	4240
F (mm)	450	450
H (mm)	2360	2360
M (mm)	1010	1010
N (mm)	1630	1630
P (mm)	2535	2535
R (mm)	4080	4080
S (mm)	4970	5050
Z (mm)	850	850

Tyres 440/80 R24

The Heavy Duty range

High performance
for emerging agricultural applications

The Heavy Duty range: agricultural telehandlers - specially designed for emerging applications such as biomass handling.

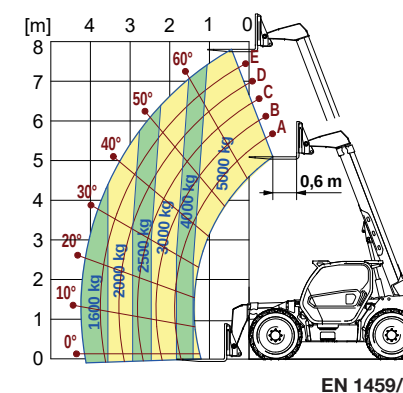
Heavy Duty telehandlers offer exceptional comfort, with handling capacity of 5 tonnes at 8 m (TF50.8) or 3.5 tonnes at 11 m (TF45.11).

They feature new systems that improve safety, productivity, comfort and energy efficiency, with reduced fuel consumption thanks to the EPD system.

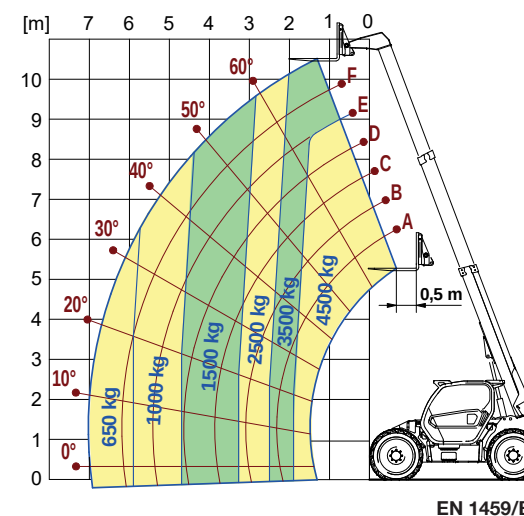
TECHNICAL INFORMATION	TF 50.8 T-170	TF 50.8 T CS 170 CVT 170	TF 45.11 T-170	TF 45.11 T CS 170 CVT 170
Total unladen mass, without fork (kg)	9350	9650	9750	10050
Maximum capacity (kg)	5000	5000	4500	4500
Lifting height (m)	7,8	7,8	10,6	10,6
Turbo engine (brand/cylinders)	FPT/4	FPT/4	FPT/4	FPT/4
Tier 4 Final engine power (kW/hp)	125/170	125/170	125/170	125/170
Maximum speed (km/h)	40	40	40	40
Load-sensing hydraulic pump (bar-l/min)	210/150	210/150	210/150	210/150
Flow sharing distributor	●	●	●	●
Gearbox	2 speeds	CVTronic	2 speeds	CVTronic
CS - suspended cab	-	●	-	●
Tilting chassis (tilt corrector)	●	●	●	●
EPD Eco Power Drive	EPD Top	EPD Top	EPD Top	EPD Top
Mechanical PTO (540/1000)	-	○	-	○
M CDC (dynamic load control)	●	●	●	●
Type-approved as an agricultural tractor	○	○	○	○

● As standard. ○ On request.

TF 50.8 WITH FORKS



TF 45.11 WITH FORKS



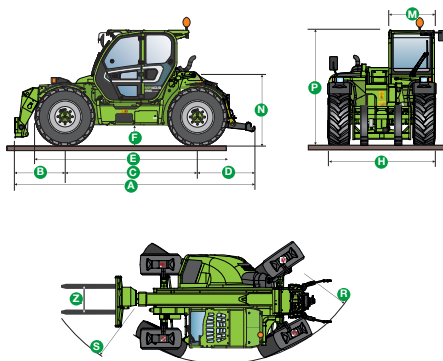


- ✓ Suspended cab (the widest in its category), equipped with multifunctional arm
- ✓ Tilt correction as standard
- ✓ BSS Boom Suspension System (optional)
- ✓ M CVTronic transmission. From 0 to 40 km/h without torque interruption
- ✓ Electronic monitoring with sensors on lower tie rods, 7 tonne lifting capacity
- ✓ Class III three-point hitch with quick-connect hooks
- ✓ Mechanical fitting PTO, electronically managed
- ✓ Hydraulic distributors controlled by electronic joystick and rear quick-release couplers
- ✓ Rear differential lock.

MULTIFARMER

A range of telehandlers with electronic lifting, three-point hitch and mechanical PTO

Telehandlers by Merlo



DIMENSIONS	MF 40.7 CS	MF 40.9 CS
A (mm)	5310	5490
B (mm)	1 110	1290
C (mm)	2920	2920
D (mm)	1280	1280
E (mm)	4240	4240
F (mm)	450	450
H (mm)	2360	2360
M (mm)	1010	1010
N (mm)	1550	1630
P (mm)	2525 min - 2585 max	2525 min - 2585 max
R (mm)	4080	4080
S (mm)	4890	4970
Z (mm)	850	850

Tyres 500/70 R24

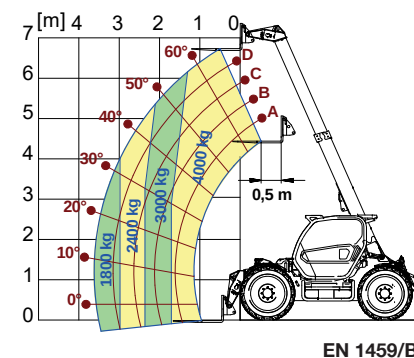
The Multifarmers range consists of two models: MF 40.7 and TF 40.9. These heavy duty handlers are fitted with booms capable of handling 4 tonnes at heights of 7-9 metres. They are equipped with an M CDC anti-roll system and a 170 HP engine with EPD to reduce fuel consumption. Besides handling, they can also use the same tools carried, pulled or operated by the PTO of a tractor of identical power, which means they can also be used for field applications such as seeding and transport.

TECHNICAL INFORMATION

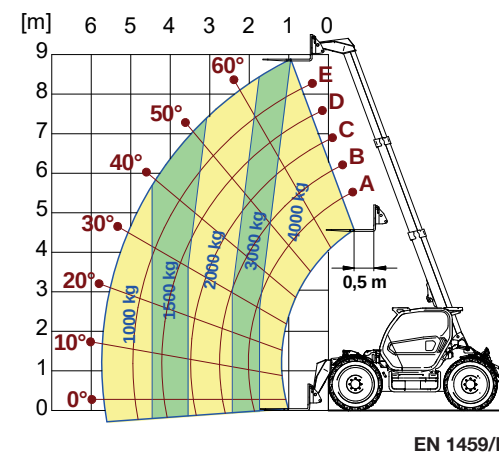
	MF 40.7 CS	MF 40.9 CS
Total unladen mass, without fork (kg)	8700	9150
Maximum capacity (kg)	4,000	4,000
Lifting height (m)	6.8	8.8
Turbo engine (brand/cylinders)	Deutz/4	Deutz/4
Tier 4 Final engine power (kW/hp)	125/170	125/170
Maximum speed (km/h)	40	40
Load-sensing hydraulic pump (bar-l/min)	210/150	210/150
Flow sharing distributor	●	●
Gearbox	CVTronic	CVTronic
CS - suspended cab	●	●
Tilting chassis (tilt corrector)	●	●
EPD Eco Power Drive	EPD Top	EPD Top
Mechanical PTO (540/1000)	●	●
3-point hitch (kg)	7,000	7,000
M CDC (dynamic load control)	●	●
Type-approved as an agricultural tractor	○	○

● As standard. ○ On request.

MF 40.7 WITH FORKS



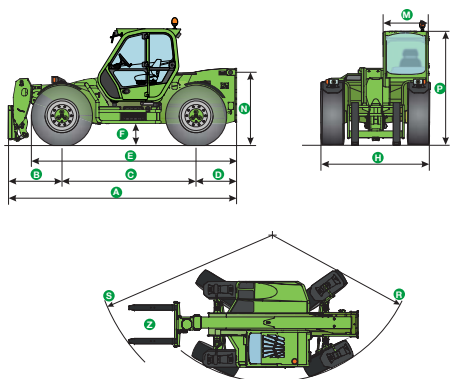
MF 40.9 WITH FORKS





- ✓ A unique patented suspended cab, the widest in its category
- ✓ Cab complies with Level II ROPS and FOPS standards
- ✓ M CDC dynamic load control
- ✓ Tilt correction on the chassis
- ✓ BSS - Boom Suspension System - (optional)
- ✓ Tac-Lock as standard
- ✓ Reduced fuel consumption with EPD as standard
- ✓ Tier 4 Interim 156 hp engine as standard
- ✓ Load sensing hydraulic pump and flow sharing distributor
- ✓ Electronic joystick with auto-accelerator function as standard

PANORAMIC CS



DIMENSIONS	P55.9 CS	P60.9 CS
A (mm)	5120	5120
B (mm)	1210	1210
C (mm)	3000	3000
D (mm)	910	910
E (mm)	4520	4600
F (mm)	400	480
H (mm)	2430	2420
M (mm)	1010	1010
N (mm)	1540	1620
P (mm)	2360 min - 2420 max	2440 min - 2500 max
R (mm)	4420	4420
S (mm)	5100	5100
Z (mm)	850	850

Panoramic CS Tier 4 Interim - more innovation, higher performance

New technology for new applications

Panoramic CS is the first Merlo telehandler with suspended cab fitted as standard - for a level of comfort unmatched by our competitors.

The CS range belong to our 9 m class and comes in three models, P55.9 CS and P60.9 CS; with load capacity between 5.5 and 6 tonnes.

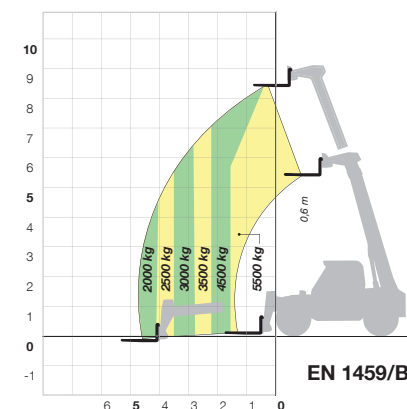
Telehandlers offer the most advanced technologies and technical specifications.

TECHNICAL INFORMATION

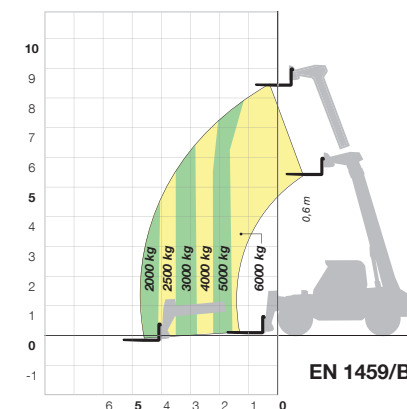
	P 55.9 CS	P 60.9 CS
Total unladen mass, without forks (kg)	10300	11100
Maximum capacity (kg)	5500	6000
Lifting height (m)	8.6	8.6
Turbo engine (brand/cylinders)	Deutz/4	Deutz/4
Tier 4 Interim engine power (kW/hp)	115/156	115/156
Maximum speed (km/h)	40	40
Load-sensing hydraulic pump (bar-l/min)	240/173	240/173
Flow sharing distributor	●	●
Gearbox	2 speeds	2 speeds
CS - suspended cab	●	●
Chassis levelling	●	●
EPD Eco Power Drive	●	●
BSS - hydro-pneumatic boom suspension	○	○
Electronic joystick with automatic accelerator	●	●
M CDC (dynamic load control)	●	●
Dual control reverse function (joystick/steering wheel)	●	●

● As standard. ○ On request.

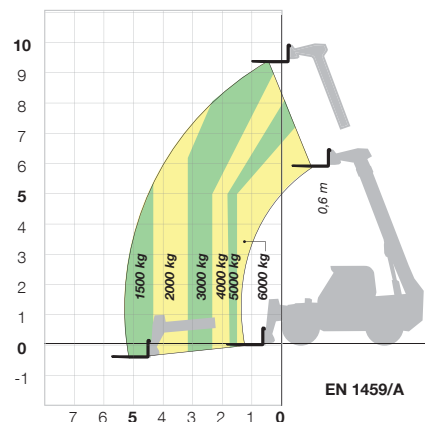
P55.9 CS WITH FORKS



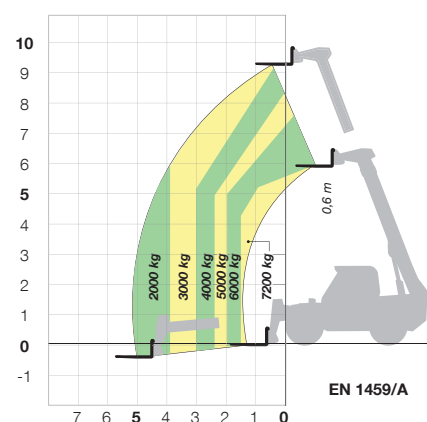
P60.9 CS WITH FORKS



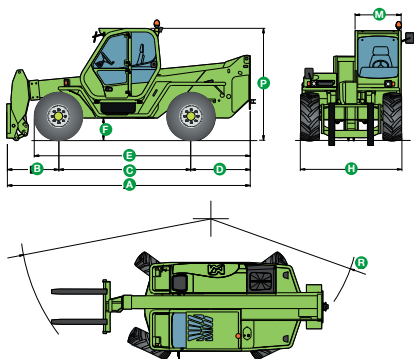
P60.10 WITH FORKS



P72.10 WITH FORKS



P 60.10 and P 72.10



P60.10 DIMENSIONS

A (mm)	5345
B (mm)	1235
C (mm)	2875
D (mm)	1300
E (mm)	4645
F (mm)	480
H (mm)	2330
M (mm)	1010
P (mm)	2440
R (mm)	3950

P72.10 DIMENSIONS

A (mm)	5345
B (mm)	1235
C (mm)	2875
D (mm)	1300
E (mm)	4645
F (mm)	480
H (mm)	2330
M (mm)	1010
P (mm)	2440
R (mm)	3950



High specifications for high performance

Even more benefits

Merlo manufactures two different families of high capacity handlers.

The first belongs to the high end of the Panoramic range, with lifting capacity of 6.0 and 7.2 tonnes (P60.10 and P72.10) at height of 10 m. The second range, HM, offers handlers with lifting capacity up to 12 tonnes and booms extending to between 10 and 18 metres (P50.18HM, P65.14HM, P120.10HM). Specifications vary depending on the range.

TECHNICAL INFORMATION	P60.10	P72.10	P50.18 HM	P65.14HM	P120.10HM
Total unladen mass, without forks (kg)	10,000	10,850	15,410	15,500	15,650
Maximum capacity (kg)	6000	7200	5,000	6,500	12,000
Lifting height (m)	9.5	9.4	17.8	13.9	9.8
Turbo engine (brand/cylinders)	Deutz/4	Deutz/4	FPT/4	FPT/4	FPT/4
Tier 4 Final engine power (kW/hp)	74.5/101	74.5/101	125/170	125/170	125/170
Maximum speed (km/h)	40	40	40	40	40
Load-sensing hydraulic pump (bar-l/min)	240/108	240/108	210/115	210/115	210/115
Flow sharing distributor	-	-	●	●	●
Gearbox	2 speeds	2 speeds	CVTronic	CVTronic	CVTronic
Chassis levelling + side shift	●	●	●	●	●
Regenerative system + automatic accelerator	-	-	●	●	●
EPD Eco Power Drive	●	●	●	●	●
Electronic joystick	○	○	●	●	●
M CDC (dynamic load control)	●	●	●	●	●
Reverse function on steering wheel	●	●	-	-	-
Dual control reverse function (joystick/steering wheel)	-	-	●	●	●

● As standard. ○ On request.

PANORAMIC HM

Common specifications:

- ✓ The widest cab in its category. Maximum comfort level
- ✓ Cab complies with ROPS and FOPS level II standards
- ✓ M CDC Dynamic load control as standard
- ✓ Tilt corrector and boom side shift as standard
- ✓ Hydraulic load sensing as standard

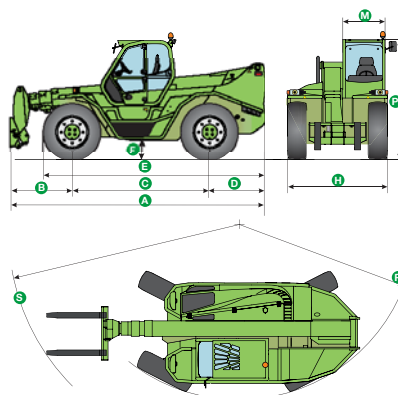
Panoramic series:

- ✓ Engines: 101 hp (with SCR and w/o DPF)
- ✓ Hydrostatic transmission with two-speed gearbox

HM series:

- ✓ Reduced fuel consumption with EPD (fitted as standard on HM)
- ✓ HM 170 hp with SCR
- ✓ CVTronic transmission (fitted as standard on HM)
- ✓ Regenerative system (fitted as standard on HM)
- ✓ Electronic joystick with auto-acceleration system and reverse shuttle, duplicated on steering wheel

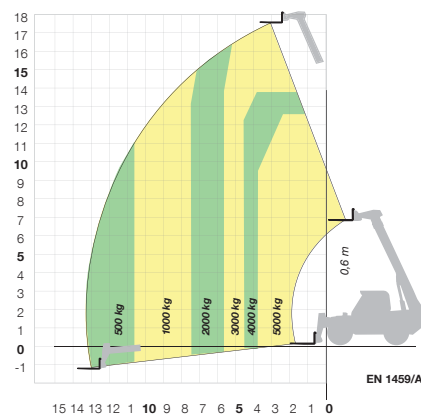
P50.18 HM



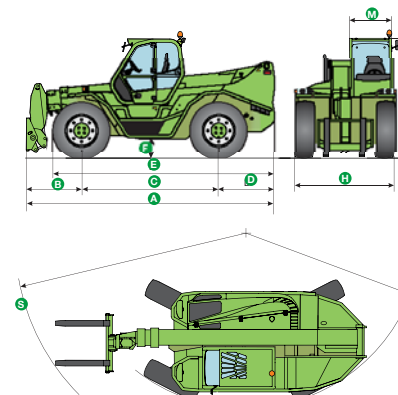
DIMENSIONS P50.18 HM

A (mm)	6180	H (mm)	2450
B (mm)	1605	M (mm)	1010
C (mm)	3240	P (mm)	2850
D (mm)	1335	R (mm)	4300
E (mm)	5235	S (mm)	5480
F (mm)	450		

P50.18 HM WITH FORKS



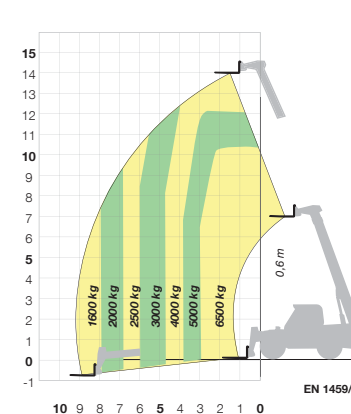
P65.14 HM



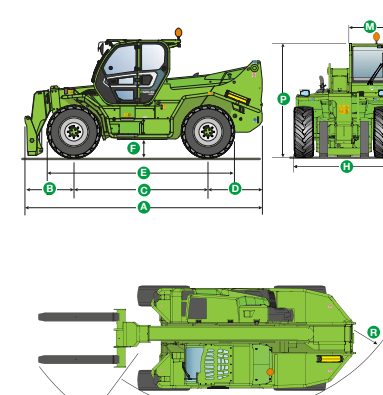
DIMENSIONS P65.14 HM

A (mm)	5910	H (mm)	2450
B (mm)	1335	M (mm)	1010
C (mm)	3240	P (mm)	2850
D (mm)	1335	R (mm)	4300
E (mm)	5235	S (mm)	5400
F (mm)	450		

P65.14 HM WITH FORKS



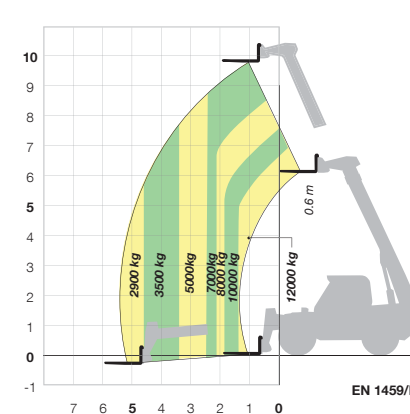
P120.10 HM



DIMENSIONS P120.10 HM

A (mm)	5790	H (mm)	2450
B (mm)	1210	M (mm)	1010
C (mm)	3240	P (mm)	2850
D (mm)	1335	R (mm)	4300
E (mm)	5235	S (mm)	5700
F (mm)	450		

P120.10 HM WITH FORKS



Merlo CDC - dynamic load control

Safety comes as standard

Safety is an essential value for Merlo, and that's why we invented the M CDC system.

The aim: to allow every operator to work in total safety, exploiting the potential of the telehandler and accessory to the full.

Operators can monitor the dynamic stability of their vehicle in real time via the dot **3** on the M CDC display (optional) or the or the traffic light on the front upright in the M CDC Light version.

During manoeuvres which pose a risk to the stability of the telehandler, the M CDC locks the boom and blocks all further movement likely to make the situation worse.



CDC display*

All safety information is clearly shown on the 8.5" colour display. An indicator on the load chart informs the operator about the dynamic stability of the telehandler while the M CDC system prevents the risk of a longitudinal imbalance by blocking the movement of the boom if necessary.

- | | |
|---|--------------------------------|
| 1. Attachment in use | 4. Load detection menu |
| 2. Boom working zone | 5. Operating parameters |
| 3. Current boom-load positioning (shown by a coloured dot) | 6. Work information |
| | 7. Stability index |

*A Merlo feature available as an option on all models.

TECHNOLOGY

Comfort in the cab Turbofarmer, HD and Multifarmer

The most spacious cab on the market (1010 mm) specially designed for pressurization (not approved for pesticides). Visibility has always been a strength of Merlo machines. Our designers have improved this aspect even more with a curved windshield, Merlo Sky-View, which ensures unrestricted visibility of the load even when the telescopic boom is fully extended. **The highly ergonomic driving position is optimized** by the tilting, steering wheel and digital instrument panel, complete with an **8.5" display dedicated to the M CDC system**, whose functions are displayed using a practical and functional automobile-style knob.

The 14 switches on the RH control panel include the PTO control and the EPD system potentiometers, as well as controls for the three steering functions and activation of the suspended cab. Multifunctional arm (Multifarmer version), electronic lift functions and proportional micro switches for additional distributors (optional).

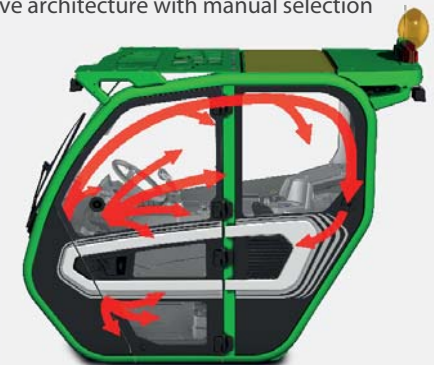


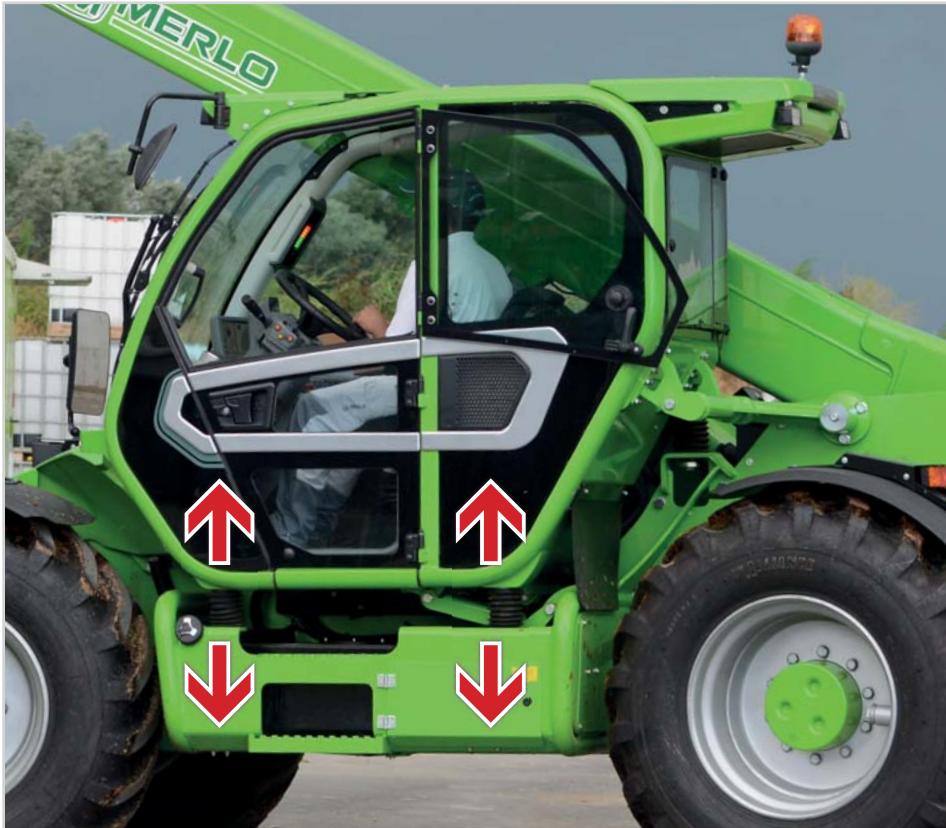
The same strength: operator comfort 1010 mm (CS and Panoramic)

All the above models have the same cab width of 1010 mm. This is the widest on the market, confirming the high standards of Merlo cabs in terms of operator comfort and visibility.

New air conditioning system

Designed with a typical automotive architecture with manual selection of the required temperature. Incoming air passes through an anti-pollen filter and is distributed through eight vents. Defrost function. This system helps maintain a pleasant interior temperature even with very high external/internal differences.





The CS (Cab Suspension) system

THE ONLY CS SYSTEM ON THE TELEHANDLERS MARKET

Two cabs, a single system fully incorporating hydraulic and pneumatic systems to reduce loading stresses and ground-to-cab vibration.

Total excursion is 110 mm with active suspension. This guarantees exceptional working comfort for the operator. The system can be activated as desired, even when the machine is moving.

Clear comfort



BSS hydro-pneumatic boom suspension (optional)

Can be activated by the operator and automatically disengages at speeds below 3 km/h to ensure maximum load positioning precision

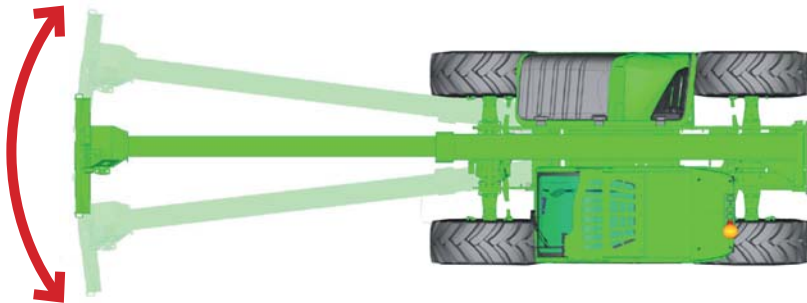


Pneumatic seat for superior comfort

TECHNOLOGY

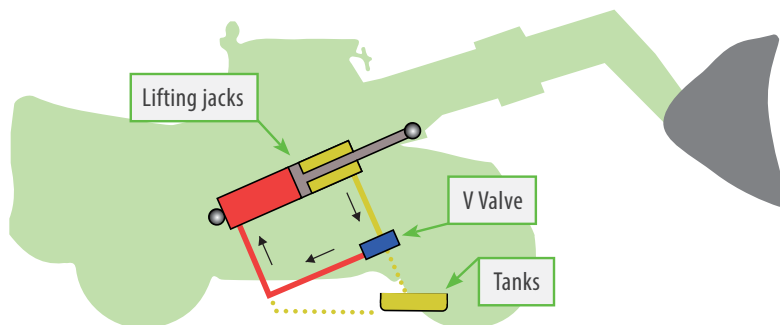
Levelling

Tilt correction system built into the chassis, allowing the operator to compensate for uneven terrain and work in complete safety
N.B. 24° on Panoramic and HM.



Side shift

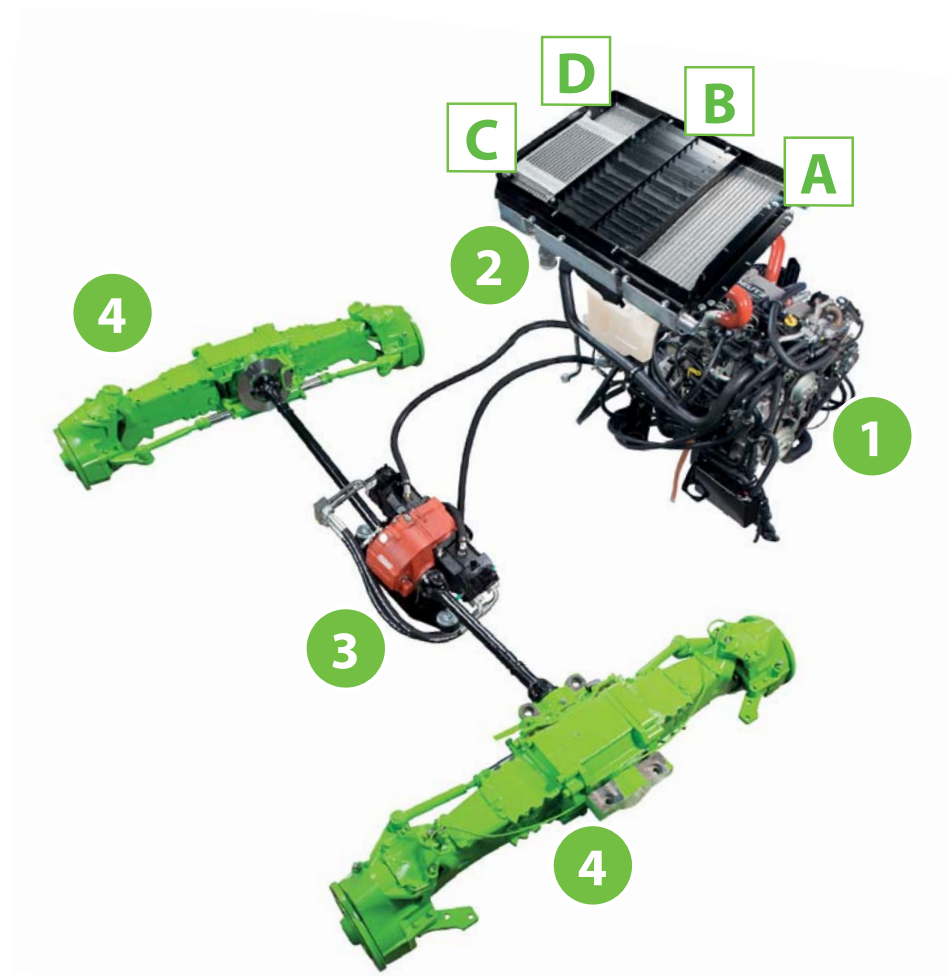
The boom can be moved sideways allowing the operator to position the load with maximum precision and comfort - saving time too.
Shift range 530 mm (440 mm on Panoramic and HM).



Regenerative system

To increase productivity, the HM model features a regenerative system as standard, designed to increase the angular speed of the boom when handling loads. This system automatically increases the speed by 36% compared to similar systems not equipped with a regenerative system.





POWERTRAIN MERLO

- 1. Engine
- 2. Radiator fins
- 3. CVTronic transmission
- 4. Merlo axles

FAN DRIVE AND DEDICATED RADIATORS

- A. Intercooler radiator
- B. Engine radiator liquid
- C. Radiator hydraulic oil
- D. Radiator hydrostatic oil

The CVTronic gearbox

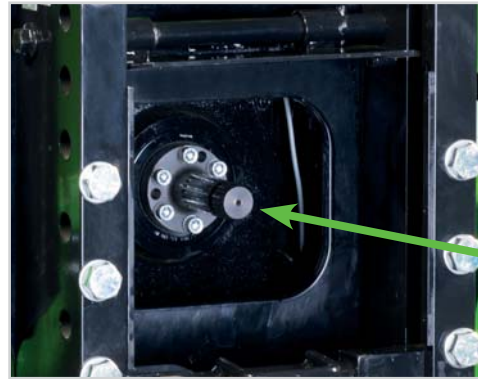
CVTronic gearbox was developed as part of Merlo's long tradition of excellence in hydrostatic technology, enabling smooth acceleration without torque interruption from zero to 40 km/h. The transmission comprises two hydrostatic motors with axial pistons driven by an electronically controlled hydraulic pump. At low working speeds, the two hydrostatic motors act jointly to offer maximum torque - 12% higher than conventional hydrostatic transmissions. During movement at speed, the second hydrostatic engine is automatically disengaged by the control system and the oil from the pump powers the main hydrostatic engine, which brings the Merlo telehandler to maximum speed.



Fan Drive

Turbofarmer handlers are equipped with a reversible fan drive system to switch from suction to blower mode. At temperatures below 40°, the fan activates in reverse mode for 30 minutes before returning to normal operation.

TECHNOLOGY



Mechanical PTO TF and TF HD

For work with attachments requiring PTO, the Turbofarmer range includes a version with mechanical PTO which can deliver 90% of available power to the flywheel. The PTO is managed by the electronic control unit which progressively engages the clutch depending on the inertia of the attachment.

Removable 1 3/8" tip detachable eand 1 3/8" with 21 slots or 1 3/4" with 6 or 20 slots



Three-point hitch and Multifarmer PTO

Three-point hitch, PTO, and a towing hook with hydraulic distributors are the specifications which make the MF 40.7 and MF 40.9 perfect for use in the agriculture sector.

A mobile power unit which makes the Multifarmer a versatile machine capable of performing all kinds of tasks: from handling to carrying/towing attachments activated by PTO.



Tow hooks and trailer brake

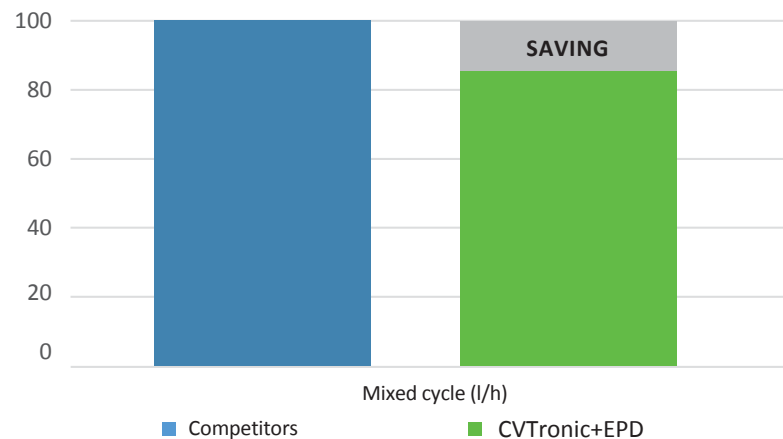
In addition to the traditional applications of handling, logistics and maintenance typical of Merlo telehandlers for agriculture, they can also be used for traction purposes thanks to a type-approved tow hook and pneumatic or hydraulic trailer brakes.



Fixed tow bolt for dedicated applications

Reduced consumption

Merlo CVTronic + EPD technology



EPD "Eco Power Drive"

Designed, patented and built by Merlo, EPD delivers noticeable energy savings thanks to an automatic electronic system which monitors engine parameters (rpm, power curves, torque and fuel consumption) as well as telehandler status, speed, weight, gradient of ascent/descent and presence of trailer to ensure the torque necessary for movement.

The EPD control unit is located between the accelerator pedal and diesel engine injection pump. It controls engine rpm, and consequently machine speed, by sending the right amount of diesel to the combustion chamber, optimizing rpm and thereby saving on diesel consumption.

Potentiometer for controlling diesel engine rpm

Once the operator sets it to the required rpm, the potentiometer ① makes sure the transfer speed remains the same. A practical solution for all tasks requiring steady engine regimes, PTO or hydraulics (rotary presses, unifeed trucks, snow cutters).

EPD Plus incorporates Speed Control and ECO functions.

The Speed Control function ② acts like the cruise control function in a car: the operator, having reached the desired transfer speed, maintains this speed by pressing the Speed Control button and fully releasing the accelerator.

Disengagement of Speed Control is immediate - just press the brake pedal or the Speed Control button. The ECO ③ function limits engine rpm for additional energy savings.

EPD Top - Auto-accelerator joystick -

This device - unique in the telehandlers market - is an electronic joystick ④ which automatically increases the diesel engine's rpm (up to the maximum allowed by the potentiometer) when activated beyond the engage threshold (excursion greater than 20%), without increasing the speed of forward movement.



TECHNOLOGY

Developing multi-purpose solutions More efficiency and productivity thanks to Merlo design

Merlo adopts simple and effective guidelines in the evolution of its products.

From conception to development, everything is studied, designed and created in the Group's research centre. This simple "rule" also applies to attachments.

Backed by years of experience, Merlo's engineers have developed a wide range of attachments, divided by type and load capacity.

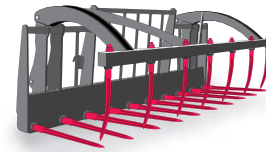
This way of working makes possible to offer a wide portfolio of well tested and interchangeable equipment that save time and fatigue.



BALE FORKS



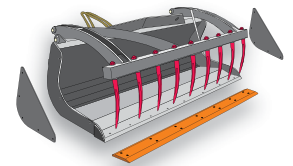
MANURE FORKS WITH CLAW



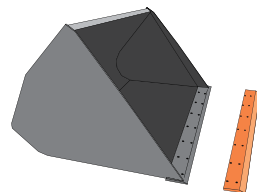
PINCERS FOR ROUND BALES



MULTI-PURPOSE LOADER WITH CLAW



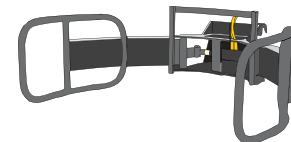
LOADERS



CRANE HOOKS/BOOMS



PINCERS FOR TAPED BALES



PLATFORMS





CINGO

Tireless, unbeatable, incomparable. These machines go everywhere - with excellent performance

All the experience of Merlo applied to compact multi-purpose tool carriers



Cingo universal caterpillar track tool carriers with hydrostatic transmission incorporate unique technology and deliver exclusive performance. Their applications are almost endless, and they're particularly useful where a conventional 4 x 4 can't arrive.

An exclusive, patented system for quickly swapping any number of interchangeable attachments make this machine ready for work in a question of seconds in all kinds of environments. Smooth movement, progressive control, total power transfer and maximum versatility: those are the winning characteristics of the Cingo system.

Also available in radio controlled version. The latest models come equipped with planetary gearmotors which transmit torque directly to the caterpillar tracks for maximum traction. With built-in parking brakes for maximum safety.



CINGO MODELS	CONVEYORS	MULTI-PURPOSE	MULTI-PURPOSE WITH GEARMOTOR
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TECHNICAL INFORMATION	M500	M800 TD	M8.3 TDPlus	M8.3 Plus	M12.3 Plus	M4.3 Turbo
Load (kg)	500	800	800	800	1200	400
Engine	Petrol	Petrol	Diesel	Diesel	Diesel	Diesel
Power (kW)	4.1	8.7	12.5	12.5	14.9	24.5
Transmission	Hydraulic	Hydraulic	Hydrostatic	Hydrostatic	Hydrostatic	Hydrostatic
Quick attachment coupling	-	-	-	YES	YES	-



TRE EMME

High-performance tool carrier tractors. 7 models from 135 to 350 hp.

High performance machines that are perfect for forestry management, highways, railways and contract work

Multi-purpose machines designed for complex tasks, with excellent performance and easy to use: Merlo offers a wide range of high power tool carriers that are ideal for forestry and silviculture, snow clearance and road/railway maintenance.

With a vast range of attachments and mechanical, hydraulic and electronic power transmission systems, these machines perform all kinds of tasks with maximum efficiency and productivity. Compact dimensions, excellent manoeuvrability, operator comfort and exclusive 360° visibility make these machines ideal for professionals who can't compromise on results.

- ✓ **X series: forestry tractors.** 3 models with powers of 200, 250 and 350 hp.
- ✓ **R&S series.** high-performance tool-holder specialised in snow-ploughing: 3 models with powers of 200, 250 and 350 hp.
- ✓ **MC series: multifunctional tool-holder for municipalities and contract work.** 1 model with 135 hp power.



TECHNICAL INFORMATION	MM 200 X	MM 250 X	MM 350 X	MM 200 R&S	MM 250 R&S	MM 350 R&S	MM 135 MC
Power (kW/hp)	147/200	183/250	260/350	147/200	183/250	260/350	110/135
Max. speed (km/h)	40	40	36	40	40	36	40
Unladen mass (kg)	7800	7800	9200	7800	7800	9200	7000
Hydraulic PTO (l/min-bar)	300-420	350-420	500-420	300-420	300-420	500-420	150-350

OVER 50 YEARS OF CONSTANT COMMITMENT TO WORKING TOGETHER WITH YOU

- 1964** - Establishment of the Merlo Group
- 1966** - DM and DBM: the first dumper and the first self-loading concrete mixer
- 1981** - SM: the world's first telescopic handler
- 1987** - Panoramic: the world's first telehandler with side engine
- 1991** - Roto: the world's first telehandler with rotating turret
- 1996** - Turbofarmer: the first telehandler in Europe type-approved as an agricultural tractor
- 1998** - P20.6: the ultra-compact telehandlers
- 2000** - Multifarmer: the first agricultural tractor with telescopic boom
- 2001** - MM: the first forestry attachment-carrier
- 2010** - Hybrid: the first diesel/electric hybrid telehandler
- 2012** - Modular: a new concept of telescopic handler
- 2013** - Three important awards at the Agritechnica in Hanover:
 - Hybrid 42.7: gold medal for technological innovation
 - Turbofarmer II range: "machine of the year 2014"
 - Multifarmer 40.9: "a milestone in agricultural machinery"
- 2015** - New modular Medium Duty and Compact Turbofarmer named "machine of the year" 2015 at Sima in Paris



MERLO S.P.A.

Via Nazionale, 9 - 12010 S. Defendente di Cervasca - Cuneo - Italia

Tel. +39 0171 614111 - Fax +39 0171 684101

www.merlo.com - info@merlo.com

The Telehandlers outlined in this documentation can be equipped with optional or special accessories that are not included in standard equipment but only on request.

In certain countries, not all models or attachments may be available because of market or regulatory restrictions.

Technical data and information are up-to-date at the time of printing this documentation. Merlo reserves the right to make modifications arising from natural technological evolution without any obligation on its part.

Your trusted Merlo Dealer will be delighted to provide you with all updates concerning our products and services.