

PANORAMIC WITH STABILIZERS

TECHNICAL DATA



BUILDING WITH CONFIDENCE.

PANORAMIC TECHNOLOGY ENTERS THE JOB SITE

10 CAB

- Compliant with **ROPS (ISO 3471)** and **FOPS Level 2 (ISO 3449)**
- **995 mm** interior width
- **4.3 m²** of glass surface
- **Opening windscreen** and **rear window**
- **Front** and **rear** working lights⁽³⁾
- **Pneumatic suspension seat**⁽³⁾
- Hydro-mechanical or fully electronic **joystick**⁽³⁾
- The **steering wheel tilt** can be **adjusted** up to 16 degrees

9 ENGINE

- **Power 74.5 kW** (101 HP) and **74.9 kW** (102 HP)
- **Easy access** and safe servicing
- **Manual battery isolator**

6 HYDRAULIC SYSTEM

- **Working pressure 210 bar**
- **Maximum operating capacity up to 115 lpm** according to the hydraulic pump gear Load-Sensing or Load-Sensing with Flow-Sharing device

8 SUSPENSIONS

- **EAS (Electronic Active Suspension)** on the front axle⁽³⁾
- **BSS (Boom Suspension System)** of the telescopic boom⁽³⁾

7 STABILIZERS

- Two hydraulic stabilizers **on the front axle** ensure the stability
- The stabilizers are controlled by **two independent levers**, which ensure maximum flexibility in their positioning
- Whether operating with or without stabilizers, **your Merlo always remains very compact in width**
- The **correction** available from the frame levelling system can be combined with the effects of the stabilizers, so as to **keep the frame in a horizontal position** even with a **transverse slope of 24%**



1 TELESCOPIC BOOM

- Lifting capacities up to **4000 kg**
- Lift heights up to **16.7 m**
- **Boom side-shift** with hydraulic control
- **Side-shift up to 870 mm** (depending on the model)
- **Hydraulic** and **electric** cables **housed inside the boom**
- Front tool-holder carriage with **Tac-Lock** hydraulic locking system

2 AXLES

- **Drop portal axle** with crown and pinion
- **Four permanent wheel drive**
- **Three steering** modes
- **Differential lock** optional

5 CHASSIS

- Main chassis surrounded by a **70 mm diameter solid ring of steel**
- **Increased stability** thanks to low center of gravity
- **Angles of attack** F and R greater than **45 degrees**
- **Lateral leveling** of the chassis with hydraulic system (correction **up to 10%**)

3 SAFETY

- **Automatic stability control Merlo Autoblock** compliant with **EN 15000** norm
- The device for **blocking the aggravating movements** is always **activated**, whether with static or moving machine

4 HYDROSTATIC TRANSMISSION

- **Variable displacement** motor and pump
- Maximum **speed 40 kph**
- **Mechanical two-speed gearbox**
- **Finger-Touch** direction reversing control
- **Hydrostatic transmission** with completely **independent hydraulic circuit**

PANORAMIC	P 39.10	P 38.12	P 38.13	P 38.14	P 40.16	P 40.17
Base Model	Base	Base	Base	Base	Base	Base
Plus model		Plus	Plus	Plus		
Maximum load capacity (kg)	3900	3800	3800	3800	4000	4000
Maximum lift height (m)	10.3	11.6	12.6	13.6	15.6	16,7
Turbocharged engine (make/cylinder)	Deutz/4	Perkins/4	Perkins/4	Perkins/4	Perkins/4	Perkins/4
Tier 3 engine power (kW/HP)	74.9/102	74.5/101 ⁽¹⁾	74.5/101 ⁽¹⁾	74.5/101 ⁽¹⁾	74.5/101	74.5/101
Maximum speed (kph)	25	40 ⁽¹⁾	40 ⁽¹⁾	40 ⁽¹⁾	40	40
EAS hydropneumatic suspension ⁽²⁾	○	○	○	○	○	○
BSS hydropneumatic suspension ⁽²⁾	○	○	○	-	-	-
Cabina FOPS (ISO 3449) e ROPS (ISO 3471)	●	●	●	●	●	●
Permanent four-wheel drive	●	●	●	●	●	●
Tac-Lock attachment coupling	●	●	●	●	●	●
Boom side-shift	●	●	●	●	●	●
Frame levelling	●	●	●	●	●	●
Finger-Touch direction reversing control	●	●	●	●	●	●
Inching-Control	●	●	●	●	●	●
Differential lock (F + R or only R)	○	○	○	○	○	○

Performance figures refer to the machine equipped with forks, operating on stabilisers. ● Standard. ○ Option.

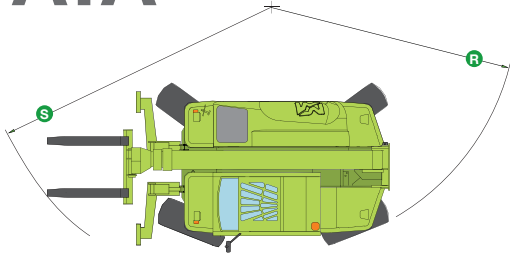
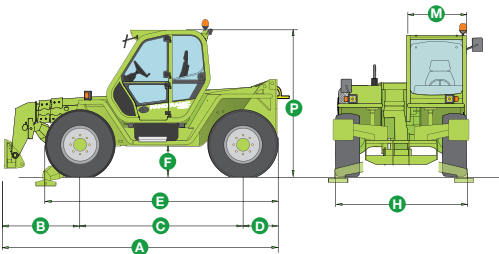
(1) Plus version only. The basic model has a speed of 7-25 kph and an engine of 62.5 kW (85 HP);

(2) BSS and EAS suspension can not be fitted together; (3) Optional endowments on some models.

PANORAMIC P 39.10

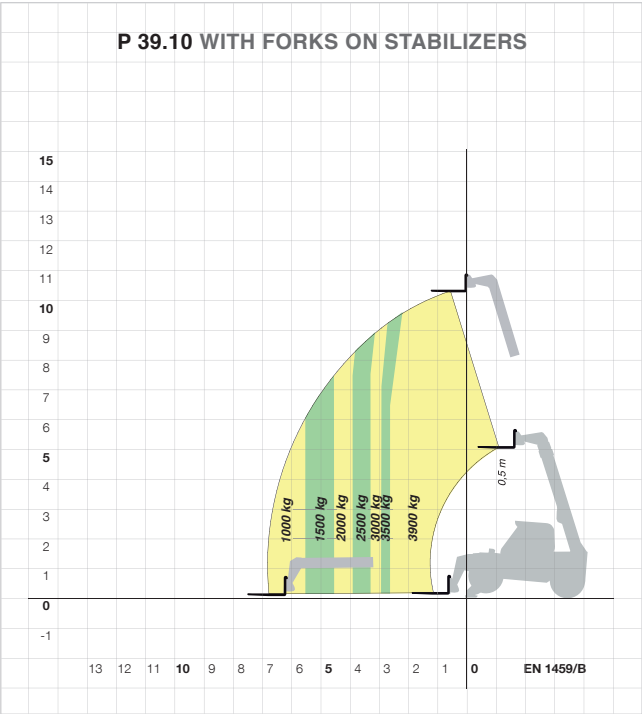
TECHNICAL DATA

P 39.10



COMPLIANT EN 15000

P 39.10 WITH FORKS ON STABILIZERS



DIMENSIONS

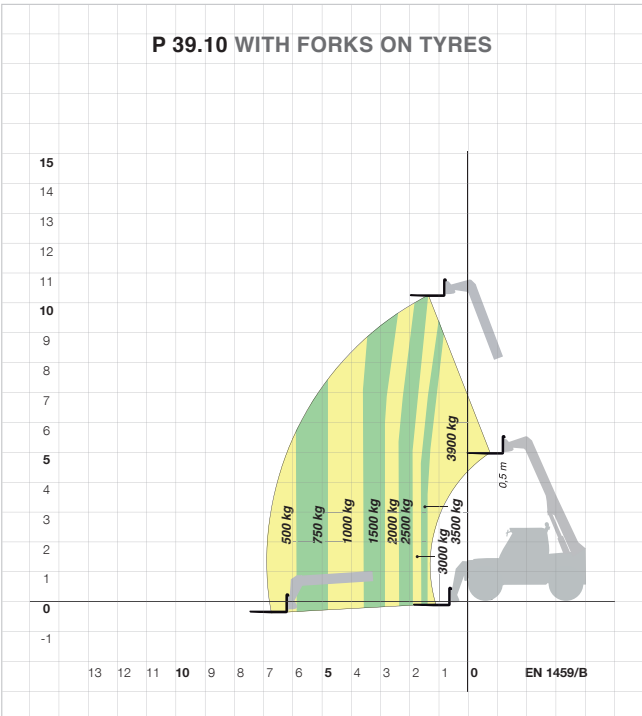
A (mm)	4555	H (mm)	2230
B (mm)	1230	M (mm)	995*
C (mm)	2750	P (mm)	2475
D (mm)	575	R (mm)	4050
E (mm)	3915	S (mm)	4850
F (mm)	565		

*Internal length useful.

CHARACTERISTICS AND PERFORMANCE

	P 39.10
Total weight unladen, with forks (kg)	8350
Maximum load capacity (kg)	3900
Maximum lift height (m)	10.3
Maximum forward reach (m)	6.9
Lift height at maximum load capacity (m)	8.1
Forward reach at max. load capacity (m)	1.3
Load capacity at maximum height (kg)	3000
Load capacity at max. forward reach (kg)	1000
Boom side-shift (mm)	±265
Frame levelling (%)	±10
Turbo diesel engine (make/cylinder)	Deutz/4
Tier 3 engine power (kW/HP)	74.9/102
Speed in 1st gear range (kph)	7
Speed in 2nd gear range (kph)	27
Hydro-pneumatic suspension EAS	○ ⁽¹⁾
Hydro-pneumatic suspension BSS	○ ⁽¹⁾
Fuel capacity (l)	150
Hydraulic gear pump (bar-l/min)	210-105
Load-Sensing hydraulic pump (bar-l/min)	-
Hydraulic oil capacity (l)	105
Electrical circuit (V)	12
Battery (Ah)	100
FOPS (ISO 3449) and ROPS (ISO 3471) cab	●
Hydraulic lever controls	-
Electro-mechanical joystick controls	●
Electronic joystick controls	-
Tac-Lock attachment coupling	●
Auxiliary boom hydraulic service	●
Hydrostatic transmission	●
Finger-Touch direction reversing control	●
Inching Control	●
Permanent four-wheel drive	●
Automatically locking parking brake	●
Manual battery isolator	●
Tyres	405/70-24
Four cab working lights (2 f. + 2 r.)	○
Differential lock (front + rear or rear only)	○
Manual air conditioning system	○

P 39.10 WITH FORKS ON TYRES



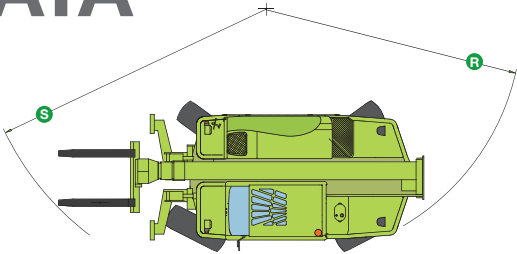
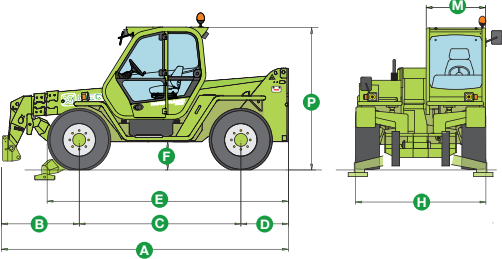
● Standard. ○ Option.

Performance figures refer to the machine equipped with forks, operating on stabilisers.
(1) BSS and EAS suspension can not be fitted together.

PANORAMIC P 38.12

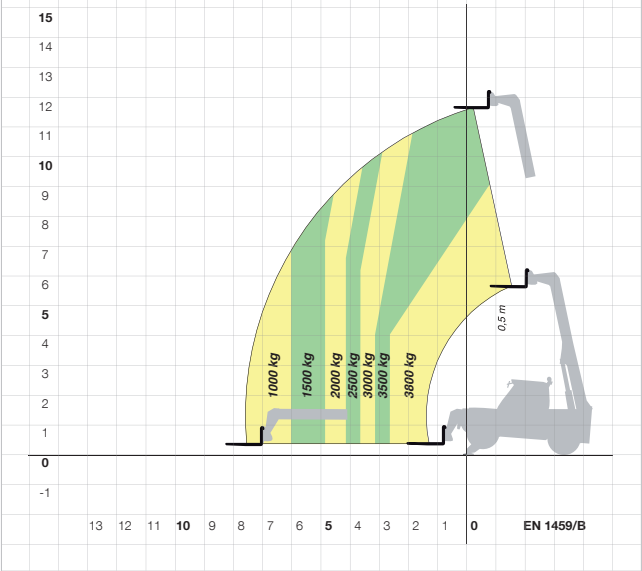
TECHNICAL DATA

P 38.12 / P 38.12 PLUS

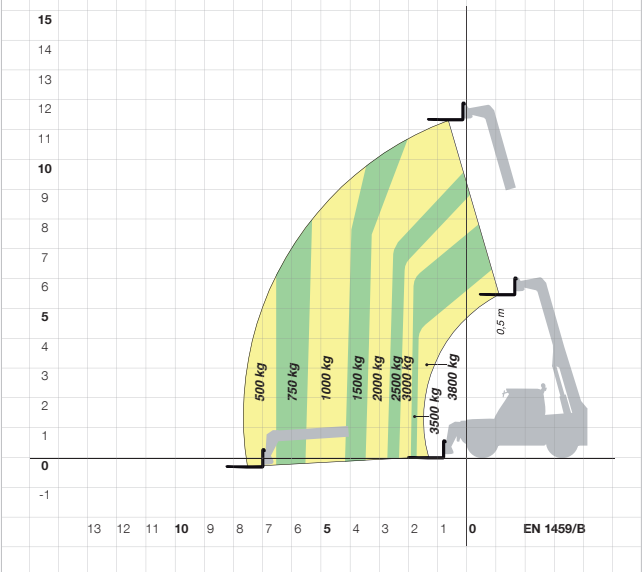


COMPLIANT EN 15000

P 38.12 WITH FORKS ON STABILIZERS



P 38.12 WITH FORKS ON TYRES



DIMENSIONS

A (mm)	4850	H (mm)	2220
B (mm)	1285	M (mm)	995*
C (mm)	2750	P (mm)	2440
D (mm)	815	R (mm)	3920
E (mm)	4100	S (mm)	4900
F (mm)	480		

*Internal length useful.

CHARACTERISTICS AND PERFORMANCE

	P 38.12
Total weight unladen, with forks (kg)	8550
Maximum load capacity (kg)	3800
Maximum lift height (m)	11.6
Maximum forward reach (m)	7.6
Lift height at maximum load capacity (m)	9.2
Forward reach at max. load capacity (m)	2.6
Load capacity at maximum height (kg)	3500
Load capacity at max. forward reach (kg)	1000
Boom side-shift (mm)	±330
Frame levelling (%)	±10
Turbo diesel engine (make/cylinder)	Perkins/4
Tier 3 engine power (kW/HP)	74.5/101 ⁽¹⁾
Speed in 1st gear range (kph)	14 ⁽¹⁾
Speed in 2nd gear range (kph)	40 ⁽¹⁾
Hydro-pneumatic suspension EAS	○ ⁽²⁾
Hydro-pneumatic suspension BSS	○ ⁽²⁾
Fuel capacity (l)	150
Hydraulic gear pump (bar-l/min)	-
Load-Sensing hydraulic pump (bar-l/min)	210-108
Hydraulic oil capacity (l)	105
Electrical circuit (V)	12
Battery (Ah)	100
FOPS (ISO 3449) and ROPS (ISO 3471) cab	●
Hydraulic lever controls	●
Electro-mechanical joystick controls	○
Electronic joystick controls	○
Tac-Lock attachment coupling	●
Auxiliary boom hydraulic service	●
Hydrostatic transmission	●
Finger-Touch direction reversing control	●
Inching Control	●
Permanent four-wheel drive	●
Automatically locking parking brake	●
Manual battery isolator	●
Tyres	405/70-20
Four cab working lights (2 f. + 2 r.)	○
Differential lock (front + rear or rear only)	○
Manual air conditioning system	○

● Standard. ○ Option.

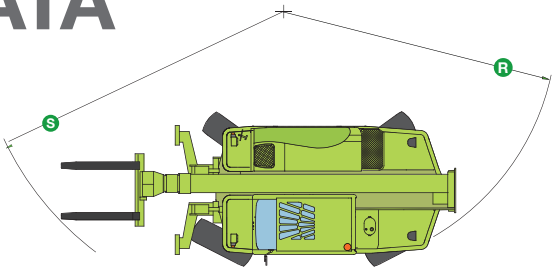
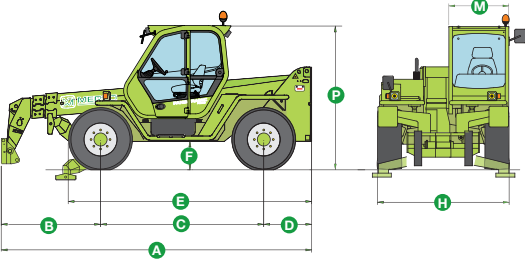
Performance figures refer to the machine equipped with forks, operating on stabilisers.

(1) Plus version only. The basic model has a speed of 7-25 kph and a engine of 62.5 kW (85 HP); (2) BSS and EAS suspension can not be fitted together.

PANORAMIC P 38.13

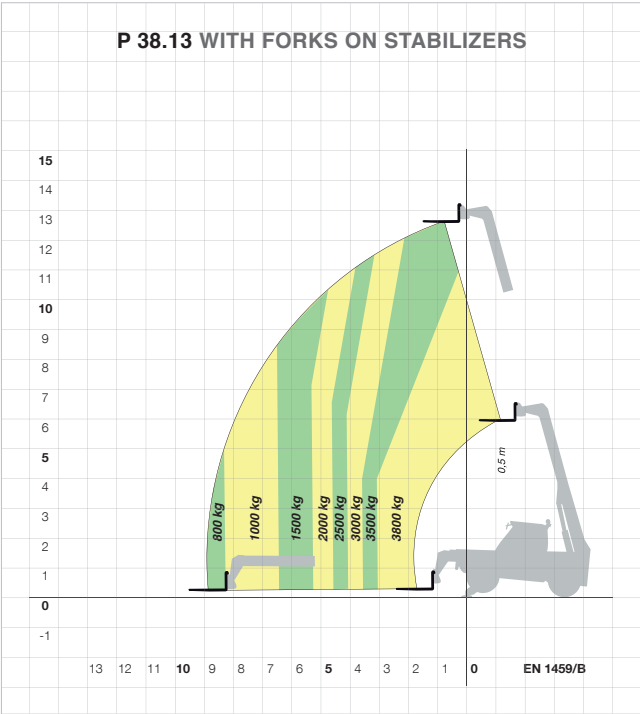
TECHNICAL DATA

P 38.13 / P 38.13 PLUS

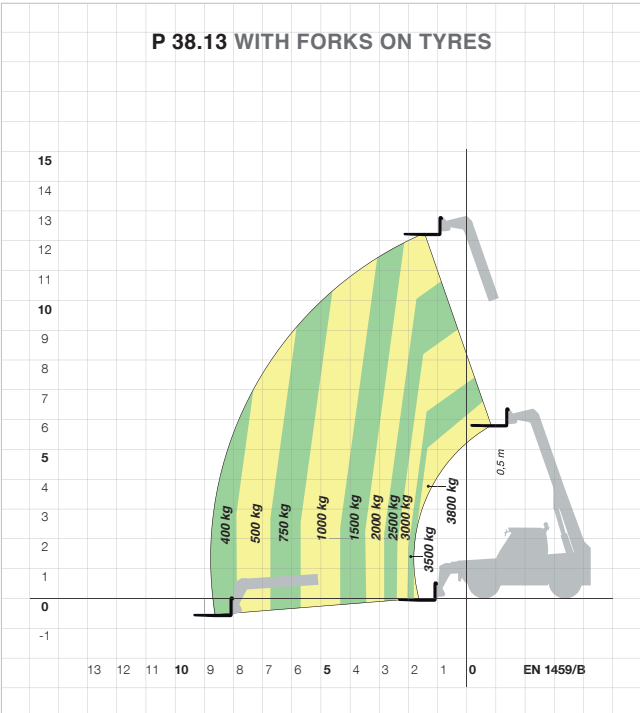


COMPLIANT EN 15000

P 38.13 WITH FORKS ON STABILIZERS



P 38.13 WITH FORKS ON TYRES



DIMENSIONS

A (mm)	5240	H (mm)	2220
B (mm)	1675	M (mm)	995*
C (mm)	2750	P (mm)	2440
D (mm)	815	R (mm)	3920
E (mm)	4100	S (mm)	4940
F (mm)	480		

*Internal length useful.

CHARACTERISTICS AND PERFORMANCE

	P 38.13
Total weight unladen, with forks (kg)	8650
Maximum load capacity (kg)	3800
Maximum lift height (m)	12.6
Maximum forward reach (m)	8.6
Lift height at maximum load capacity (m)	11
Forward reach at max. load capacity (m)	3
Load capacity at maximum height (kg)	3500
Load capacity at max. forward reach (kg)	800
Boom side-shift (mm)	±340
Frame levelling (%)	±10
Turbo diesel engine (make/cylinder)	Perkins/4
Tier 3 engine power (kW/HP)	74.5/101 ⁽¹⁾
Speed in 1st gear range (kph)	14 ⁽¹⁾
Speed in 2nd gear range (kph)	40 ⁽¹⁾
Hydro-pneumatic suspension EAS	○ ⁽²⁾
Hydro-pneumatic suspension BSS	○ ⁽²⁾
Fuel capacity (l)	150
Hydraulic gear pump (bar-l/min)	-
Load-Sensing hydraulic pump (bar-l/min)	210-108
Hydraulic oil capacity (l)	105
Electrical circuit (V)	12
Battery (Ah)	100
FOPS (ISO 3449) and ROPS (ISO 3471) cab	●
Hydraulic lever controls	●
Electro-mechanical joystick controls	○
Electronic joystick controls	○
Tac-Lock attachment coupling	●
Auxiliary boom hydraulic service	●
Hydrostatic transmission	●
Finger-Touch direction reversing control	●
Inching Control	●
Permanent four-wheel drive	●
Automatically locking parking brake	●
Manual battery isolator	●
Tyres	405/70-20
Four cab working lights (2 f. + 2 r.)	○
Differential lock (front + rear or rear only)	○
Manual air conditioning system	○

● Standard. ○ Option.

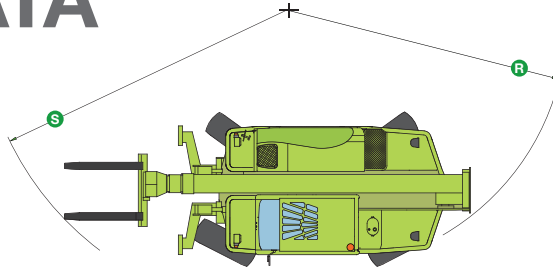
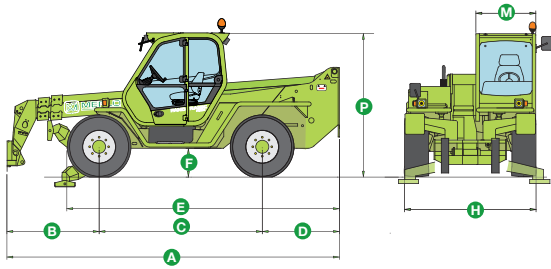
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PANORAMIC P 38.14

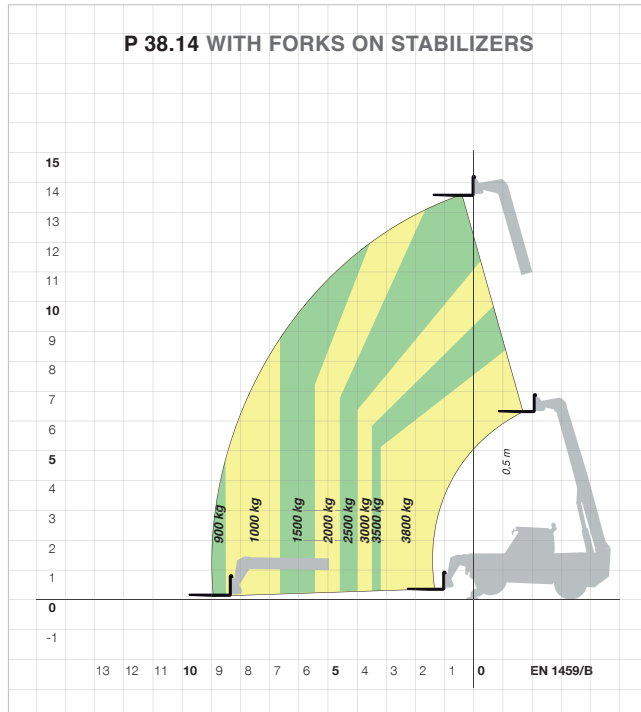
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P 38.14 / P 38.14 PLUS

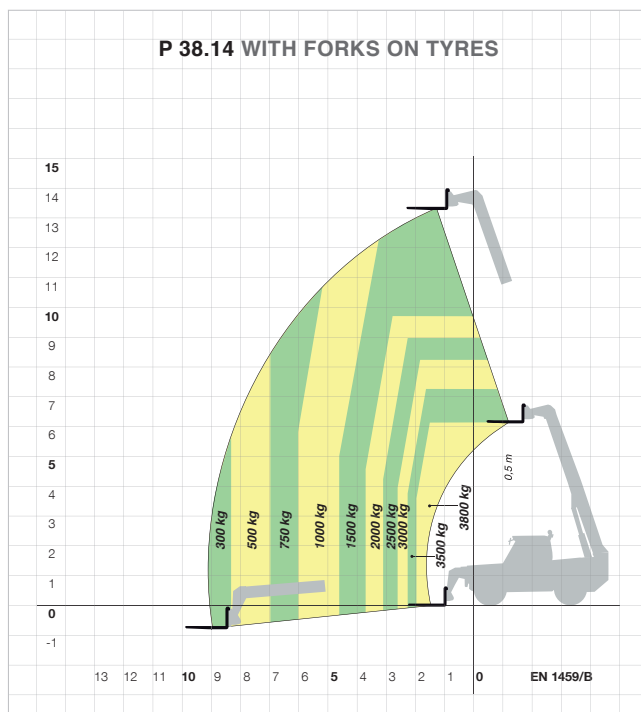


COMPLIANT EN 15000

P 38.14 WITH FORKS ON STABILIZERS



P 38.14 WITH FORKS ON TYRES



DIMENSIONS

A (mm)	5590	H (mm)	2220
B (mm)	1540	M (mm)	995
C (mm)	2750	P (mm)	2440
D (mm)	1300	R (mm)	3920
E (mm)	4585	S (mm)	5040
F (mm)	480		

*Internal length useful.

CHARACTERISTICS AND PERFORMANCE

	P 38.14
Total weight unladen, with forks (kg)	9050
Maximum load capacity (kg)	3800
Maximum lift height (m)	13.6
Maximum forward reach (m)	9.1
Lift height at maximum load capacity (m)	8
Forward reach at max. load capacity (m)	3.3
Load capacity at maximum height (kg)	2500
Load capacity at max. forward reach (kg)	900
Boom side-shift (mm)	±345
Frame levelling (%)	±10
Turbo diesel engine (make/cylinder)	Perkins/4
Tier 3 engine power (kW/HP)	74.5/101 ⁽¹⁾
Speed in 1st gear range (kph)	14 ⁽¹⁾
Speed in 2nd gear range (kph)	40 ⁽¹⁾
Hydro-pneumatic suspension EAS	○
Hydro-pneumatic suspension BSS	-
Fuel capacity (l)	150
Hydraulic gear pump (bar-l/min)	-
Load-Sensing hydraulic pump (bar-l/min)	210-108
Hydraulic oil capacity (l)	105
Electrical circuit (V)	12
Battery (Ah)	100
FOPS (ISO 3449) and ROPS (ISO 3471) cab	●
Hydraulic lever controls	●
Electro-mechanical joystick controls	○
Electronic joystick controls	○
Tac-Lock attachment coupling	●
Auxiliary boom hydraulic service	●
Hydrostatic transmission	●
Finger-Touch direction reversing control	●
Inching Control	●
Permanent four-wheel drive	●
Automatically locking parking brake	●
Manual battery isolator	●
Tyres	405/70-20
Four cab working lights (2 f. + 2 r.)	○
Differential lock (front + rear or rear only)	○
Manual air conditioning system	○

● Standard. ○ Option.

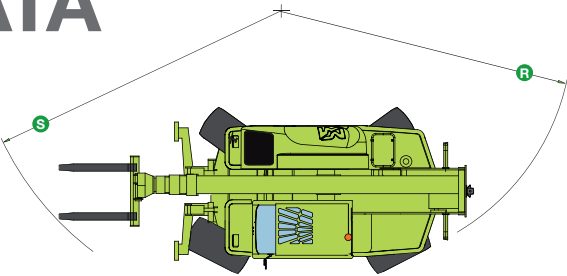
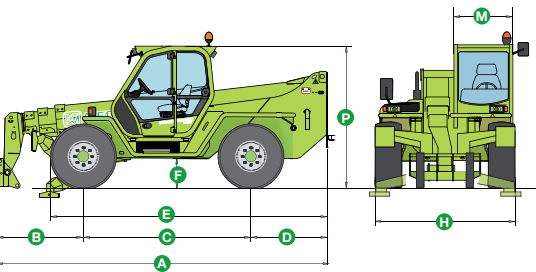
Performance figures refer to the machine equipped with forks, operating on stabilisers.

(1) Plus version only. The basic model has a speed of 7-25 kph and a engine of 62.5 kW (85 HP).

PANORAMIC P 40.16

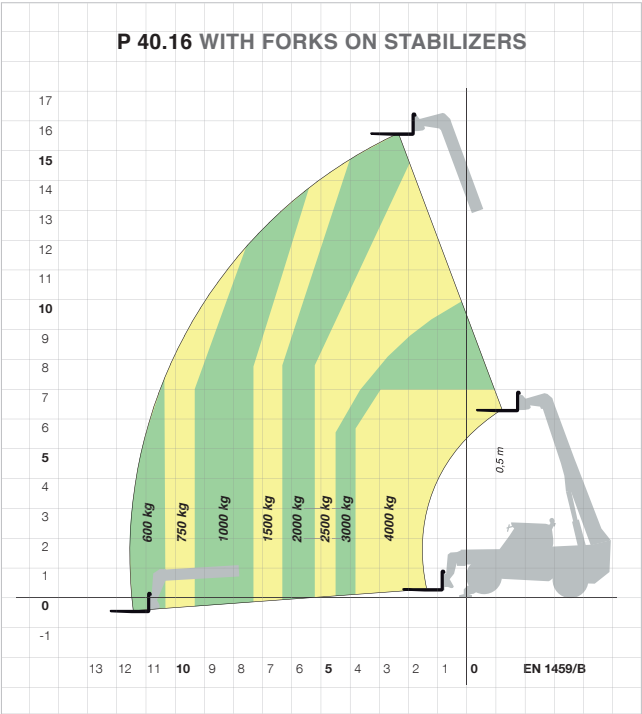
TECHNICAL DATA

P 40.16

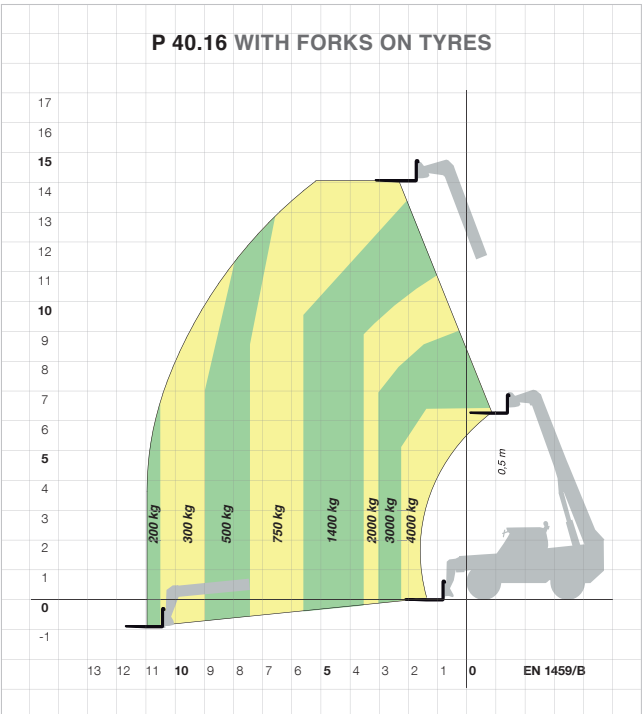


COMPLIANT EN 15000

P 40.16 WITH FORKS ON STABILIZERS



P 40.16 WITH FORKS ON TYRES



DIMENSIONS

A (mm)	5575	H (mm)	2400
B (mm)	1385	M (mm)	995*
C (mm)	2875	P (mm)	2510
D (mm)	1315	R (mm)	4050
E (mm)	4790	S (mm)	4990
F (mm)	480		

*Internal length useful.

CHARACTERISTICS AND PERFORMANCE

	P 40.16
Total weight unladen, with forks (kg)	10250
Maximum load capacity (kg)	4000
Maximum lift height (m)	15.6
Maximum forward reach (m)	11.4
Lift height at maximum load capacity (m)	7
Forward reach at max. load capacity (m)	3.7
Load capacity at maximum height (kg)	2000
Load capacity at max. forward reach (kg)	600
Boom side-shift (mm)	±410
Frame levelling (%)	±10
Turbo diesel engine (make/cylinder)	Perkins/4
Tier 3 engine power (kW/HP)	74.5/101
Speed in 1st gear range (kph)	16
Speed in 2nd gear range (kph)	40
Hydro-pneumatic suspension EAS	○
Hydro-pneumatic suspension BSS	-
Fuel capacity (l)	150
Hydraulic gear pump (bar-l/min)	-
Load-Sensing hydraulic pump (bar-l/min)	210-115
Hydraulic oil capacity (l)	140
Electrical circuit (V)	12
Battery (Ah)	100
FOPS (ISO 3449) and ROPS (ISO 3471) cab	●
Hydraulic lever controls	●
Electro-mechanical joystick controls	○
Electronic joystick controls	○
Tac-Lock attachment coupling	●
Auxiliary boom hydraulic service	●
Hydrostatic transmission	●
Finger-Touch direction reversing control	●
Inching Control	●
Permanent four-wheel drive	●
Automatically locking parking brake	●
Manual battery isolator	●
Tyres	405/70-24
Four cab working lights (2 f. + 2 r.)	○
Differential lock (front + rear or rear only)	○
Manual air conditioning system	○

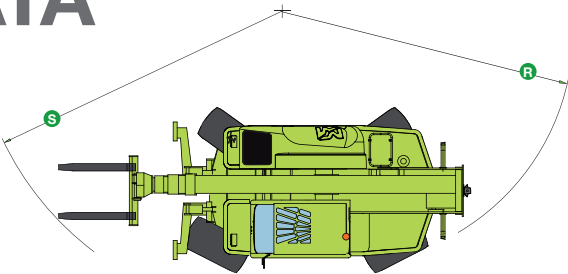
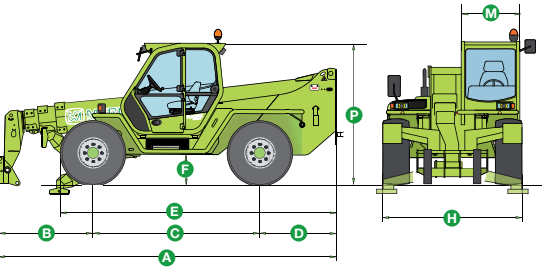
● Standard. ○ Option.

Performance figures refer to the machine equipped with forks, operating on stabilisers.

PANORAMIC P 40.17

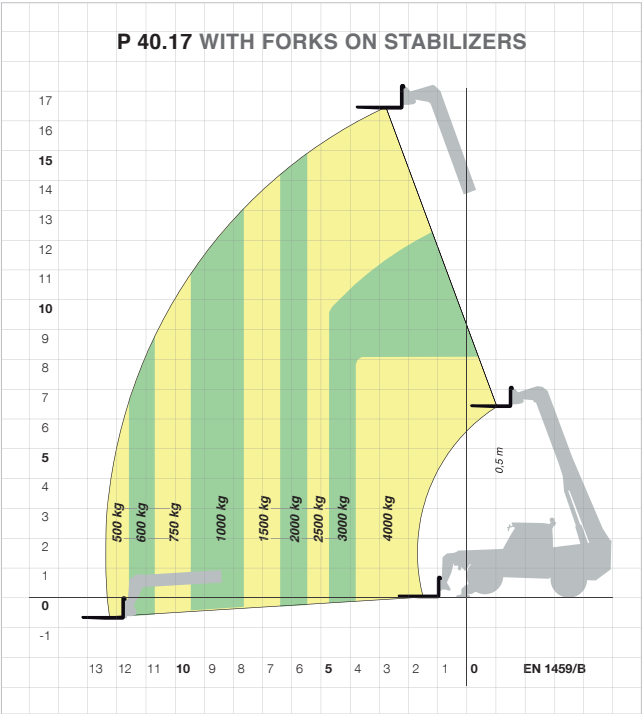
TECHNICAL DATA

P 40.17

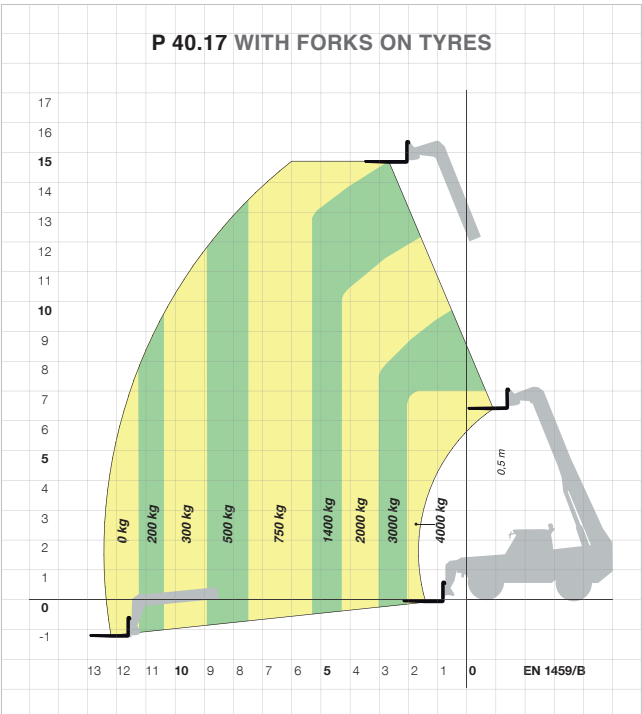


COMPLIANT EN 15000

P 40.17 WITH FORKS ON STABILIZERS



P 40.17 WITH FORKS ON TYRES



DIMENSIONS

A (mm)	5795	H (mm)	2400
B (mm)	1505	M (mm)	995*
C (mm)	2875	P (mm)	2510
D (mm)	1315	R (mm)	4050
E (mm)	4790	S (mm)	5110
F (mm)	480		

*Internal length useful.

CHARACTERISTICS AND PERFORMANCE

	P 40.17
Total weight unladen, with forks (kg)	10350
Maximum load capacity (kg)	4000
Maximum lift height (m)	16.7
Maximum forward reach (m)	12.5
Lift height at maximum load capacity (m)	8.1
Forward reach at max. load capacity (m)	4
Load capacity at maximum height (kg)	2500
Load capacity at max. forward reach (kg)	500
Boom side-shift (mm)	±435
Frame levelling (%)	±10
Turbo diesel engine (make/cylinder)	Perkins/4
Tier 3 engine power (kW/HP)	74.5/101
Speed in 1st gear range (kph)	16
Speed in 2nd gear range (kph)	40
Hydro-pneumatic suspension EAS	○
Hydro-pneumatic suspension BSS	-
Fuel capacity (l)	150
Hydraulic gear pump (bar-l/min)	-
Load-Sensing hydraulic pump (bar-l/min)	210-115
Hydraulic oil capacity (l)	140
Electrical circuit (V)	12
Battery (Ah)	100
FOPS (ISO 3449) and ROPS (ISO 3471) cab	●
Hydraulic lever controls	●
Electro-mechanical joystick controls	○
Electronic joystick controls	○
Tac-Lock attachment coupling	●
Auxiliary boom hydraulic service	●
Hydrostatic transmission	●
Finger-Touch direction reversing control	●
Inching Control	●
Permanent four-wheel drive	●
Automatically locking parking brake	●
Manual battery isolator	●
Tyres	405/70-24
Four cab working lights (2 f. + 2 r.)	○
Differential lock (front + rear or rear only)	○
Manual air conditioning system	○

● Standard. ○ Option.

Performance figures refer to the machine equipped with forks, operating on stabilisers.





The Merlo telehandlers described in this document may feature optional or special equipments which are not part of the standard equipment and are supplied upon request. Not all models or versions are available in all countries, due to regulatory restrictions. Information and technical data are those available at the time of printing.

Merlo reserves the right to modify and update the contents of this document following technological evolution.

For further information on models and their equipment please contact your Merlo dealer.

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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