

PANORAMIC 1214 - XG



The supremacy of ideas.

PANORAMIC

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PERFORMANCE AND DIMENSIONS

Cab

- Complies with ISO 3449 (FOPS) and ISO 3471 (ROPS) standards.
- Lever controls or optional '4 x 1' electro-mechanical joystick with roller-operated proportional control.

Boom

- Telescopic, with sections sliding on adjustable low-friction pads.
- Hydraulic extension mechanism, hydraulic pipes and electrics are totally enclosed within the boom assembly to ensure maximum protection and reliability.
- Integral boom side-shift mechanism.

Quick-attach carriage

- The Tac-Lock quick attachment fitting system is hydraulically controlled from the cab.
- Standard double-acting hydraulic service, with quick couplings, for the operation of hydraulically powered attachments.

Frame levelling

- Hydraulically operated from the cab.

Front stabilisers

- Independently controlled with automatic lock when the boom exceeds the preset safety angle.

Forks

- Floating type. Length 1200mm. Section 130 x 50mm.
- Fork spacing is manually adjustable between 450 and 1050mm.

Steering

- Four drive/steer wheels, with automatic wheel synchronisation in the event of any misalignment and selection of three steering modes from the cab.

Engine

- Direct injection, water cooled, 4 cylinder Perkins Euro 2 diesel engine producing 64kW-86HP (naturally aspirated) and 74.5kW-101HP (turbo) at 2400rpm (97/68/CE).

Transmission

- Hydrostatic with electronically controlled variable displacement pump.
- Continuous and automatic speed variation, from zero to maximum speed, solely with the accelerator pedal.
- Two-speed mechanical range gearbox.
- Inching-Control pedal to proportionately reduce travel speed whilst

maintaining high engine speed for hydraulic operation e.g. during loading operations.

- Finger-Touch system makes it possible to change between forward and reverse direction with the driver keeping both hands firmly on the steering wheel.
- Permanent four-wheel drive.
- Portal axles ensuring excellent ground clearance.

Braking system

- Disk service brakes on all 4 wheels, hydraulically operated and acting on the differential output shafts.
- Disk parking brake with automatic locking feature and hydraulic release control, acting on the main transmission shaft.

Hydraulic system

- Variable delivery Load-Sensing pump.
- Maximum operating capacity: 108lpm.
- Working pressure: 210bar.

Electrics

- 12V system with 100Ah battery and 90A alternator.
- Full road lighting and rotating beacon.
- Manual battery isolator switch (optional automatic switch).

Service capacities

- Hydraulic oil: 105 litres
- Diesel fuel: 155 litres
- Hydrostatic oil: 12 litres
- Engine oil: 8.5 litres
- Coolant: 12 litres

Tyres

- 400/70-20.

Available options

- Front and/or rear axle differential lock.
- Automatic battery isolator.
- Manual control air conditioning.
- Windscreen wiper on the roof window.
- Three working lights on the cab (two front lights and one rear).
- Pneumatic seat.
- Roof and front window mounted sun blinds.
- BSS boom suspension system or EAS front axle suspension.

		FRAME LEVELLING		FRAME LEVELLING + STABILISERS					
PANORAMIC		P 37.12	P 37.12 PLUS	P 38.12	P 38.12 PLUS	P 38.13	P 38.13 PLUS	P 38.14	P 38.14 PLUS
Weight									
Total empty weight (with forks)	kg	8700	8700	8650	8650	8650	8650	8900	8900
Performance									
Rated maximum load	kg	3700	3700	3800	3800	3800	3800	3800	3800
Maximum lift height	m	11.5	11.5	11.6	11.6	12.6	12.6	13.6	13.6
Maximum forward reach	m	7.6	7.6	7.6	7.6	8.6	8.6	9.1	9.1
Lift height at full capacity	m	6.2	6.2	9	9	11	11	8	8
Reach at full capacity	m	1.8	1.8	2.7	2.7	3	3	3.3	3.3
Capacity at full lift height	kg	2000	2000	3500	3500	3500	3500	2500	2500
Capacity at full forward reach	kg	600	600	1000	1000	800	800	900	900
Low emission (Euro 2) engine		nat.	turbo	nat.	turbo	nat.	turbo	nat.	turbo
Power at 2400rpm (97/68/CE)	kW/HP	aspirated 64/86	74,5/101	aspirated 64/86	74.5/101	aspirated 64/86	74.5/101	aspirated 64/86	74.5/101
Speed ratios									
1 st gear	kph	7	11	7	11	7	11	7	11
2 nd gear (self-limiting maximum speed)	kph	25	40	25	40	25	40	25	40



Help is always nearby

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

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

Building professionalism

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

ments and options that are not standard.



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