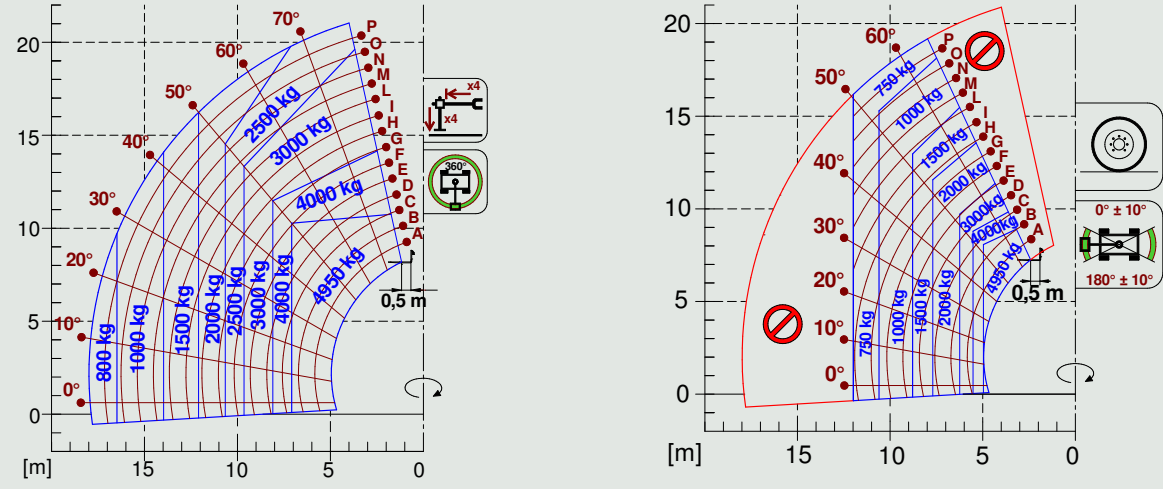
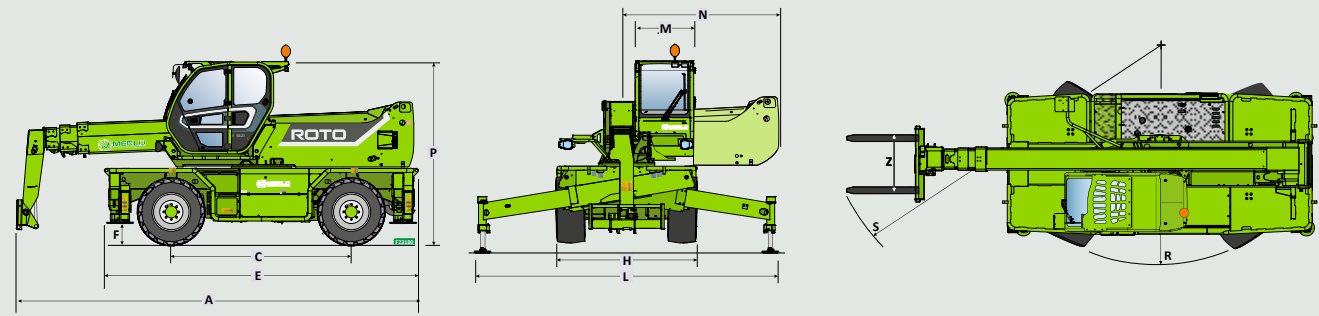
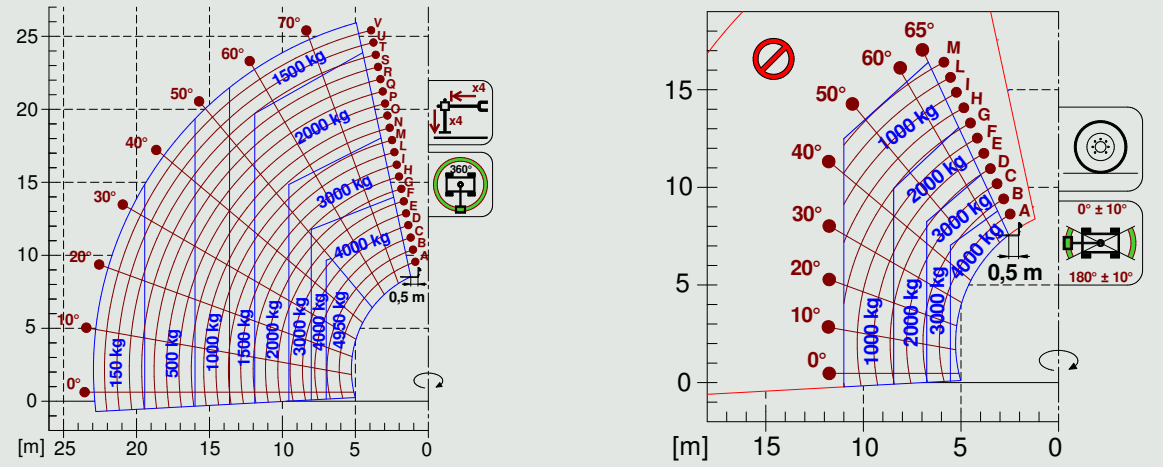


# Load Chart

## ROTO 50.21 Entry | 50.21 S-Class | 50.21 S-Plus



## ROTO 50.26 Entry | 50.26 S-Class | 50.26 S-Plus



### Dimensions

Model	A	C	E	F	H	L	M	N	P	R	S	Z
ROTO 50.21	6830	3070	5370	370	2430	5010	1010	2600	3120	3850	6100	850
ROTO 50.26	7150	3070	5370	370	2430	5010	1010	2600	3120	3850	6310	850

Model	ROTO Entry		ROTO S-Class		ROTO S-Plus	
	50.21	50.26	50.21S	50.26S	50.21S-Plus	50.26S-Plus
<b>Performance</b>						
Turret rotation	600°	600°	Continuous 360°	Continuous 360°	Continuous 360°	Continuous 360°
Unladen weight (kg)	15800	16600	15800	16600	16500	17300
Maximum load capacity (kg)	4950	4950	4950	4950	4950	4950
Lift height (m)	20,8	26	20,8	26	20,8	26
Maximum reach (m)	18	23	18	23	18	23
Load capacity at max. lift height (kg)	2500	1500	2500	1500	2500	1500
Load capacity at max. reach (kg)	800	150	800	150	800	150
Frame levelling (%)	-	-	+/-12, +/-4	+/-12, +/-4	+/-12, +/-4	+/-12, +/-4
<b>Powertrain</b>						
Engine	Deutz TCD3.6	Deutz TCD3.6	FPT NEF45	FPT NEF45	FPT NEF45	FPT NEF45
Range/Cylinders	3600/4	3600/4	4500/4	4500/4	4500/4	4500/4
Engine power (kW/HP)	55/75	55/75	125/170	125/170	125/170	125/170
Maximum speed (km/h)	25	25	40	40	40	40
Automatic parking brake	Yes	Yes	Yes	Yes	Yes	Yes
<b>HYDRAULIC</b>						
Hydraulic pump	LS + FS	LS + FS	LS + FS	LS + FS	2 - LS + FS	2 - LS + FS
Delivery / pressure (l / min-bar)	103 - 250	103 - 250	135 - 250	135 - 250	140+100 - 250	140+100 - 250
Auxiliary hydraulic service on boom	Yes	Yes	Yes	Yes	Yes	Yes
<b>Cab</b>						
Cab finishing	PREMIUM	PREMIUM	PREMIUM	PREMIUM	PREMIUM	PREMIUM
Cabina FOPS LIV II e ROPS	Yes	Yes	Yes	Yes	Yes	Yes
Controls	Electronic joystick control	Electronic joystick control	Electronic joystick control	Electronic joystick control	Electronic joystick control	Electronic joystick control
Tilting cab	NO	NO	NO	NO	Yes	Yes
Reverse shuttle	Dual reverse	Dual reverse	Dual reverse	Dual reverse	Dual reverse	Dual reverse
<b>Configuration</b>						
Hydropneumatic Suspension EAS Merlo	NO	NO	Yes	Yes	Yes	Yes
Tac-lock	Yes	Yes	Yes	Yes	Yes	Yes
Pre-arrangement for aerial work platform	Yes	Yes	Yes	Yes	Yes	Yes
Standard tyres	18-22.5	18-22.5	18-22.5	18-22.5	18-22.5	18-22.5
Hydraulically controlled stabilizers	Multiposition	Multiposition	Multiposition	Multiposition	Multiposition	Multiposition

## MERLO MOBILITY

### Always Connected

The Merlo range of telehandlers offers the possibility of using an exclusive technology to make the telescopic handlers even more intelligent and connected. Using the MerloMobility 4.0 CONNECTIVITY SYSTEM, the customer can make the most of the information detected by the machines and gathered in a portal. Merlo Mobility is a flexible tool to optimise the monitoring of your machines as they carry out their various operations.



The data, features and illustrations contained in this document are for indicative purposes only, and are not binding. Merlo S.p.A. pursues a policy of continual research and development, and as such, our products may feature characteristics that differ from those described or may be subject to modification without prior notice. The products illustrated may include optional equipment.

masterstudio



# Roto 21-26M



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# Roto

## A NEW CONCEPT OF MOVEMENT

Great innovations start with simple ideas, like that of the ROTO Range, which has changed the approach to telehandler movement by introducing a revolving turret system capable of rotating 360°, with no need to reposition the machine. The ROTO Range was launched in 1991, and from that moment onward this new concept became increasingly popular on a global scale, to the point that Merlo Group soon became an industry leader.

The new ROTO family marked a new era by introducing new standards in the field of telehandlers for the construction sector, and the product offering was expanded to include three different ranges with different features designed to be increasingly well-adapted to the needs of the various users, such as easy-to-use models for the Rental segment, and Top-of-the-line models equipped with every feature the customer could possibly desire. Today's new ROTO models stand out for their new cabs featuring exceptional comfort, their new "Modular" design concept, and their use of technologies designed to ensure greater safety, improved performance, and unparalleled efficiency.



The Roto Range

## The 6 key points

- 1 Practicality
- 2 Precision
- 3 Comfort
- 4 Safety
- 5 Versatility
- 6 Efficiency

**1 – Practicality**  
Ease of use and ergonomics are the key words according to which the machine's new controls and management system were developed. The innovative multi-function armrest, made with automotive-style materials, is extremely intuitive to use, and is equipped with automatic systems for positioning the stabilisers. The ROTO model can even be manoeuvred effectively by less experienced operators.

**2 – Precision**  
Everything within hand's reach: the Load Sensing and Flow Sharing hydraulic circuit allows for multiple simultaneous boom movements and rapid turret rotation, without compromising the accuracy of the movements themselves, for precision load positioning. Moreover, the hydrostatic transmission guarantees millimetric precision during machine movements.

**3 – Comfort**  
The ideal work place: the new spacious cab can be anchored to a structure capable of being tilted upwards by 20°, thereby allowing the operator to effortlessly oversee the loading movements. The lower part of the cab is connected using Silent blocks to drastically reduce noise and vibrations. Operational comfort is further improved by the tac-lock system, which allows the tools to be hydraulically clamped with no need to leave the driver's seat.

**4 – Safety**  
Not just sensations: the turret is capable of rotating in continuation (limited to 600 degrees for the "Entry" version). The standard ASCS automatic load management system, which is equipped with a high definition digital display for viewing the operational and safety parameters, guarantees maximum performance without altering the ROTO model's stability. The S-Classic and S-Plus ROTO models are equipped with an active suspension system designed to compensate for sloping terrain, thereby allowing the materials to be lifted in complete safety.

**5 – Versatility**  
Completely compatible with the wide range of equipment specially designed for Merlo telehandlers and interfaced with the exclusive automatic recognition system. The system for remotely managing the machine's movements via a radio control unit developed by Merlo allows the ROTO models to be operated under various conditions, thereby increasing their versatility.

**6 – Efficiency**  
Simpler and smarter: the range is equipped with engines compliant with the latest emission regulations and with power ratings ranging from 75 to 170HP, as well as an electronically controlled Eco Power Drive (EPD) hydrostatic transmission for reducing the engine's speed whenever high power levels aren't required. Moreover, the dry disc brakes limit the absorption of energy, thereby reducing the machine's fuel consumption.



## Roto 21-26 m range

• The **ENTRY** range provides you with all the essentials

**ROTATION600°**

The models in the ENTRY range offer you simple power and essential features. Developed to meet the needs of every construction site, of rental companies and large construction companies, ensuring performance and operational savings at the highest levels. ROTO ENTRY 50.21 and 50.26 are easy-to-use machines, ensuring reliability and performance. The 600° rotation, the new high visibility cab, the four wheel drive and steering and the 55 kW - 75 hp engine offer excellent results without compromising performance, comfort and safety.

• The **S-CLASSIC** range Power and style have a new icon

**CONTINUOUS360°**

A captivating style with aggressive lines defined by the new Modular design and the new high-comfort cab on which it is possible to install up to 6 LED headlights for uninterrupted operation. The engine complies with the stringent Tier 4B emissions regulations and produces power of 125 kW - 170 hp while maintaining low fuel consumption, as is the tradition for MERLO telescopic handlers. The active suspensions of the front and rear axles make road travel more comfortable and safe even on rough terrain, and ensure perfect levelling of the machine during lifting.

• The **S-PLUS** range, Comfort and performance that make work easy

**CONTINUOUS360°**

The models of the S-PLUS series have been designed to offer the maximum technology in terms of efficiency, performance and versatility of use, satisfying even the most demanding operators. The range is made unique by exclusive characteristics like the continuous 360° rotation that allows uninterrupted operation, the calibrated hydraulic system with dual variable displacement pump ("Load Sensing" system), the generous, comfortable cab that incorporates the patented Merlo system for vertical inclination that ensures maximum visibility and ergonomics. The Power train has a 125 kW - 170 hp engine with high power and torque combined with the exclusive Hydrostatic transmission with "EPD" electronic management system that provides the required performance with minimum consumption. The active suspensions of the front and rear axles make road travel more comfortable and safe even on rough terrain, and ensure perfect levelling of the machine during lifting.

### Complete machine management

The large 10.1" colour display shows all the machine's operating information. The screens are navigated using the wheel control positioned on the armrest, which can be used to configure the machine's settings, like adjustment of the maximum movement speeds and geometric limitation of the work areas. The information related to machine management is displayed in a simple, intuitive manner. The load diagram screen is updated in real time according to the operating conditions, allowing the instantaneous display of information on safety and stability.



### Stabilisers

The stabilisers of the ROTO 21-26 m range are structured to facilitate rapid and safe deployment that can be adjusted based on the operational conditions of the site. The exclusive design of the telescopic stabilisers guarantees the stabilisation from the totally retracted position to maximum extension, managed independently for each of the stabilisers. The load diagram automatically adjusts based on the position and consequent stabilisation area. The standard equipment includes self-stabilisation with automatic levelling that ensures correct positioning of the machine without operator intervention.

