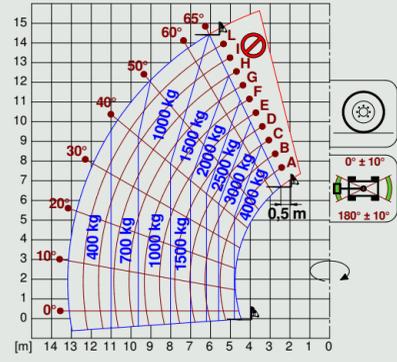
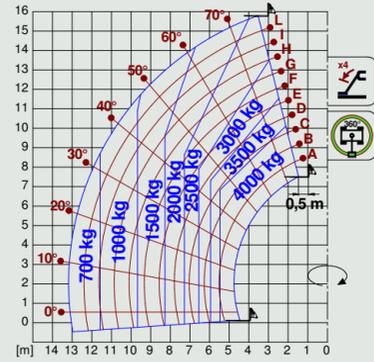
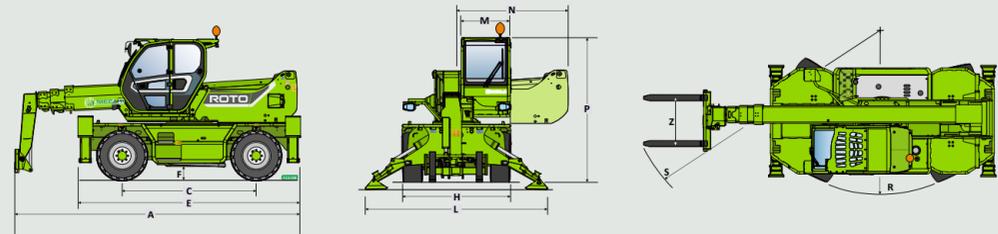
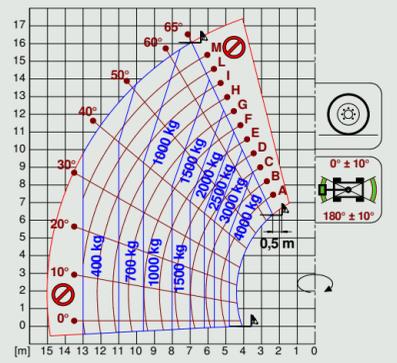
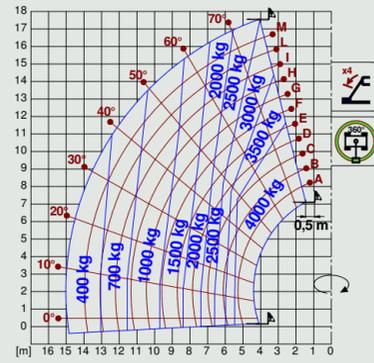


# Load Chart

## ROTO 40.16 Entry | 40.16 S-Class



## ROTO 40.18 Entry | 40.18 S-Class



### Dimensions

Model	A	C	E	F	H	L	M	N	P	R	S	Z
ROTO 40.16	6280	2860	4750	290	2240	3750	1010	2300	3010	4000	5930	850
ROTO 40.18	6030	2860	4750	290	2240	3750	1010	2300	3010	4000	5750	850

Model	ROTO Entry		ROTO S-Class	
	40.16	40.18	40.16S	40.18S
<b>Performance</b>				
Turret rotation	415°	415°	415°	415°
Unladen weight (kg)	12900	13500	13000	13600
Maximum load capacity (kg)	4000	4000	4000	4000
Lift height (m)	15,8	17,6	15,8	17,6
Maximum reach (m)	13,2	15	13,2	15
Load capacity at max. lift height (kg)	2500	3000	2500	3000
Load capacity at max. reach (kg)	700	400	700	400
Frame levelling (%)	-	-	+/-12, +/-4	+/-12, +/-4
<b>Powertrain</b>				
Engine	Deutz TCD3.6	Deutz TCD3.6	Deutz TCD3.6	Deutz TCD3.6
Range/Cylinders	3600/4	3600/4	3600/4	3600/4
Engine power (kW/HP)	55/75	55/75	85/115	85/115
Maximum speed (km/h)	25	25	40	40
Automatic parking brake	Yes	Yes	Yes	Yes
<b>Hydraulique</b>				
Hydraulic pump	LS + FS	LS + FS	LS + FS	LS + FS
Delivery / pressure (l / min-bar)	103 - 250	103 - 250	103 - 250	103 - 250
Auxiliary hydraulic service on boom	Yes	Yes	Yes	Yes
<b>Cab</b>				
Cab finishing	PREMIUM	PREMIUM	PREMIUM	PREMIUM
Cab FOPS LIV II e ROPS	Yes	Yes	Yes	Yes
Controls	Electronic joystick control	Electronic joystick control	Electronic joystick control	Electronic joystick control
Tilting cab	No	No	No	No
Reverse shuttle	Dual reverse	Dual reverse	Dual reverse	Dual reverse
<b>Configuration</b>				
Hydropneumatic Suspension EAS Merlo	No	No	Yes	Yes
Tac-lock	Yes	Yes	Yes	Yes
Pre-arrangement for aerial work platform	Yes	Yes	Yes	Yes
Standard tyres	400/70-20"	400/70-20"	400/70-20"	400/70-20"
Hydraulically controlled stabilizers	On/Off	On/Off	On/Off	On/Off

# 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 SpA 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.



MADE IN MERLO

# Roto 16-18M



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# Roto

## THE INTUITION OF A NEW CONCEPT OF MOVEMENT

Great innovations start from simple ideas, like that of the ROTO range that changed the movement method for telehandlers by introducing the rotating turret system that could rotate 360° without having to reposition the machine. It was 1991, the launch date of the ROTO range, and from that moment on the new concept is becoming increasingly important on a global level taking the Merlo Group to the leadership of the sector.

The new ROTO family marks a new era, introducing new standards in the field of telehandlers for the Construction sectors and expanding the product offer with three different ranges differing in terms of content, increasingly adapting to the needs of different users, such as models destined for Rental that stand out for their ease of use, and then up to the Top of the range models that contain all the features that the customer wants. Today the new ROTO stands out for the new high-comfort cab, the new "modular" construction concept and for the use of technology that increases safety standards and an unparalleled level of performance and efficiency.



## The 6 winning points

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

**1 – Practicality**  
Ease of use, and ergonomics of the controls are the key words on which the new controls and the machine management system have been studied. The innovative multifunctional armrest, built with automotive-style materials, is extremely intuitive to use and equipped with automatic systems for positioning the stabilizers. Even less experienced operators can manoeuvre the ROTO effectively.

**2 – Precision**  
All at your fingertips, guarantee of maximum precision in the movements, thanks to the hydrostatic transmission that ensures millimetric variations in the machine's movements and in the positioning of the load; the Load Sensing and Flow Sharing hydraulics allows accurate movements of the boom and the rotation of the turret, an essential feature in the management of booms of up to 18 meters that characterize this range.

**3 – Comfort**  
The finest workplace, the new capacitive joystick mounted on the armrest integral with the seat, the new generously sized cab mounted on the Silent-block to reduce vibrations and noise, and the new Lock-out system to unlock the door have all been designed to increase comfort. Furthermore, the tac-lock system for the hydraulic clamping of attachments without moving from the driver's seat, allows to further improve operating comfort.

**4 – Safety**  
Not just perceptions, with the turret able to rotate through 400 degrees and the automatic load management system - ASCS - as standard, maximum performance is guaranteed without altering the stability of the ROTO. The S models are equipped with active suspension systems to correct ground inclines, allowing the lifting of materials in complete safety.

**5 – Versatility**  
Fully compatible, with the wide choice of attachments specifically designed for Merlo telehandlers and interfaced with the exclusive automatic recognition system. The remote management system of the machine's movements, made via the Merlo developed radio control, allows ROTO to operate in multiple situations, increasing its versatility.

**6 – Efficiency**  
Easier or smarter, new power ranges starting from 75 HP have been introduced to guarantee reduced maintenance and consumption costs. The entire range is equipped with the electronically controlled hydrostatic transmission Eco Power Drive - EPD- that allows to reduce the engine rpm where high power is not required. In addition, the dry disc brakes make it possible to limit the absorption of energy thereby reducing the consumption of the machine.



## Roto 16-18 m range

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

**ROTATION400°**

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. The ROTO ENTRY 40.16, 40.18 are easy-to-use machines, ensuring reliability and performance. The 414° 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

**ROTATION400°**

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 4 Final emissions regulations and produces power of 85 kW - 115 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.



Roto Entry



Roto S-Class

### 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 16-18 m range have a simple structure to facilitate rapid and safe deployment. The exclusive design of the stabilisers guarantees a wide stabilisation area and complete retraction within the machine for transfer. The standard equipment includes self-stabilisation with automatic levelling that ensures correct positioning of the machine without operator intervention.

