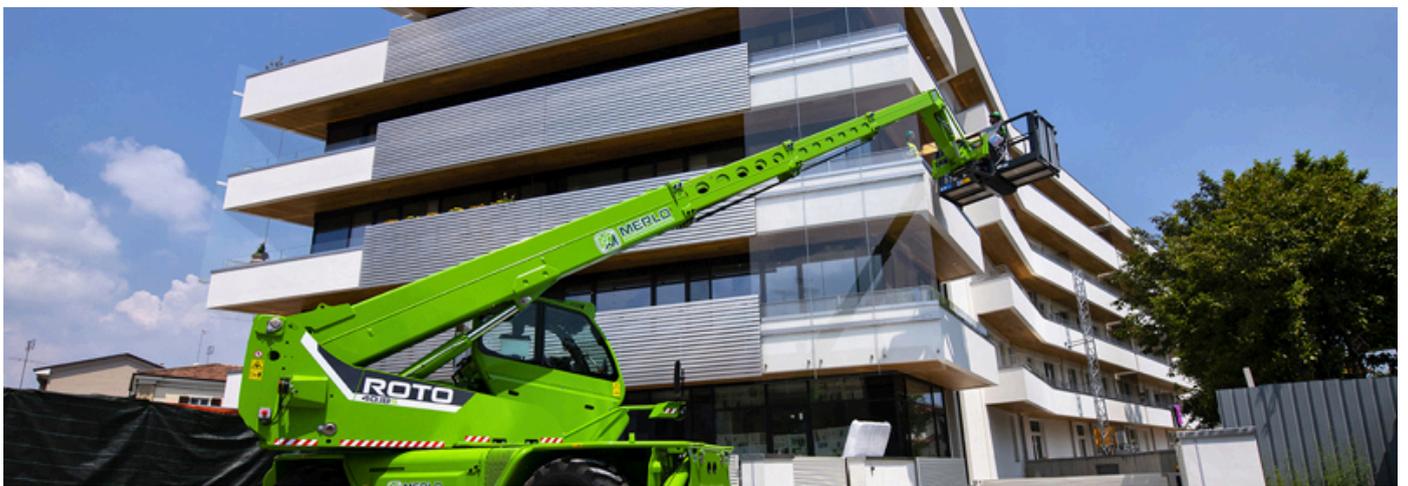


# Rotating telehandlers

Regulatory area: NA

ROTO40.18





## Comfort: The best workplace



### Exclusive comfort

An unprecedented design guarantees maximum functionality and comfort; grouping the information provided to the driver and the controls of the various systems and devices for optimal ergonomics. The reverse shuttle on the steering wheel is also present on the joystick.

### Cab entry

To ensure simple and easy access to the cab, the door of Merlo telehandlers can be opened by up to 180°. In addition, the inside of the door is equipped with a large handrail to help the operator when getting inside and outside of the cab.

### Air-conditioning

Developed according to automotive standards, cutting the warm-up and cool-down times in half compared to a conventional air conditioning system. The inlet vent is placed on the side of the cab, away from potential sources of dust and dirt, while inside there are 8 vents.

## Efficiency: Simpler and smarter



### Transmission

In order to ensure a reduction in consumption and operating costs, Merlo telescopic handlers boast full electronic management of the transmission and engine, in order to minimise RPM and, consequently, fuel demand.

### Steering Modes

The axles ensure the maximum steering angle to perform manoeuvres in tight spaces. Additionally, the operator can manage the steering of the machine with three different options according to the specific needs of the job.

### Visibility

Merlo's improved visibility increases range of movement and safety for operators.

## Performance: Everything at your fingertips



### Transmission

The Merlo telehandlers have excellent braking capacity when the accelerator pedal is released, guaranteeing high torque to the wheels during material handling and transfers, as well as millimetric precision of movements when positioning the load.

### Engines

All models feature a combustion engine in an original Merlo mounting layout, developed by Merlo with the invention of the panoramic visibility models, ensuring maximum accessibility to components in case of programmed and/or extraordinary maintenance.

### Axles

The exclusively designed axles are manufactured and developed in-house by Merlo, and can be equipped with differential lock to ensure traction on any terrain, regardless of how unstable.

## Safety: Not just feelings



### Active safety

In order to remain fully compliant with regulations in frontal tipping prevention, Merlo handlers are equipped with features developed specifically to keep the operator safe from frontal tipping, without sacrificing performance, particularly of boom speed and lifting capacity.

### Aerial work platform

The Merlo telehandlers can be configured with aerial work platform. This solution, complying with EN280 standard, assures an increased level of active and passive safety during work at heights, and enhances machine versatility.

### Certified cab

All Merlo telehandlers have a metal structure above the glass roof on the outside of the cab to comply fully with FOPS Level II standard, the most stringent certification level in protecting the operator from falling objects.



<p><b>1 - ASCS ROTO</b></p>	<p>The ASCS safety system: the ideal assistant! The system adjusts the speed and maximum extent of the movements based on the attachments in use, the load being handled and its position, thus eliminating the risk of overturning. Standard on the entire range with LS hydraulic system.</p>
<p><b>2 - ROTO GEOMETRIC LIMITS</b></p>	<p>Working in confined spaces can be difficult. The “geometric limits” function of the ASCS makes it possible to simplify and increase safety during repetitive work and in confined spaces, such as inside a warehouse.</p>
<p><b>3 - 400° ROTATION</b></p>	<p>The rotating turret system is able to cover the entire working area without having to reposition the machine, thanks to the 207° rotation on each side. Standard on ROTO40.16 and ROTO40.18 in all versions</p>
<p><b>4 - STABILISATION</b></p>	<p>Stabilising the machine is essential for safe working. Stabilisers remaining in the outline of the machine allow stabilisation even in the tightest spaces, while also ensuring excellent visibility when travelling. Standard on the entire range of Stabilised telehandlers.</p>



## PERFORMANCE AND FEATURES

## ROTO40.18S\_NA

## ROTO40.18

### Performance

Unladen weight (lb)	
Maximum load capacity (lb)	
Lift height (ft)	
Maximum reach (ft)	
Lift height at max. load capacity (ft)	
Reach at max. load capacity (ft)	
Load capacity at max. lift height (ft)	
Load capacity at max. reach (lb)	
Boom side-shift (mm)	
Frame levelling (%)	
Boom section	

29982
8800
58' 1"
49' 2"
38' 0"
18' 0"
6000
800
-
+/-12, +/-4
4

29982
8800
58' 1"
49' 2"
38' 0"
18' 0"
6000
800
-
-
4

### Powertrain

Engine
Range/Cylinders
Engine power (kW/HP)
Anti-pollution technology
Reversible Fan
Maximum speed (mph)
Fuel tank capacity (gal)
AdBlue tank capacity (gal)
Hydrostatic transmission
EPD
Electronic joystick
Axles
Reducers
Brakes
Automatic parking brake

FPT F36
3600/4
90/122
Tier 4 - DOC + DPf+ SCR
—
25
37
4.8
●
STD
STD
A portale
RR700
Dry discs
●

FPT F34
3400/4
55,4/75
Tier 4 - DOC + DPf+ SCR
—
25
37
-
●
STD
STD
A portale
RR700
Dry discs
●

### Hydraulic

Hydraulic pump
Delivery / pressure (bar-l/min)
Hydraulic oil tank capacity (gal)
Auxiliary hydraulic service on boom
Rear service line

LS + FS
27,3 - 3626
42.8
●
—

LS + FS
27,3 - 3626
42.8
●
—

### Cab

Cab finishing
ASCS
FOPS II Cab
ROPS Cab
Controls
Tilting cab
Reverse shuttle

PREMIUM
Completo
●
●
Electronic joystick control
-
Dual reverse

PREMIUM
Completo
●
●
Electronic joystick control
-
Dual reverse

### Configuration

Hydropneumatic Suspension CS Merlo
Hydropneumatic Suspension BSS Merlo
Hydropneumatic Suspension EAS Merlo
Work lights on cab
Sun-shade in the cab
Tac-lock
Pre-arrangement for aerial work platform
Two floating forks
Pedal Inching-Control
Permanent four-wheel drive
All wheel steering
Three steering way
Standard tyres
OPT tyres
Hydraulically controlled stabilizers
Turret rotation
Tractor type approval
Pneumatic brakes (ton)
Hydraulic brakes (ton)
PTO
3-point rear linkage

—
—
●
○
●
●
●
●
●
—
●
●
●
400/70-20
405/70-R20
On/Off
415°

—
—
—
○
●
●
●
●
—
●
●
●
400/70-20
405/70-R20
On/Off
415°

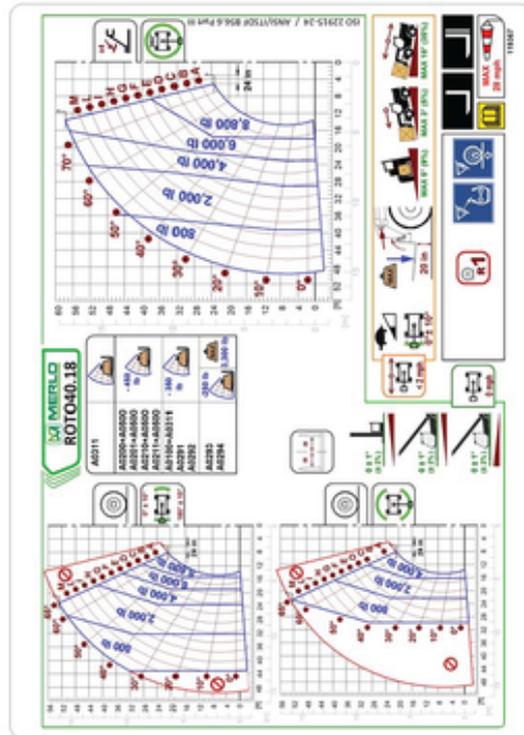
- not available
- standard
- optional

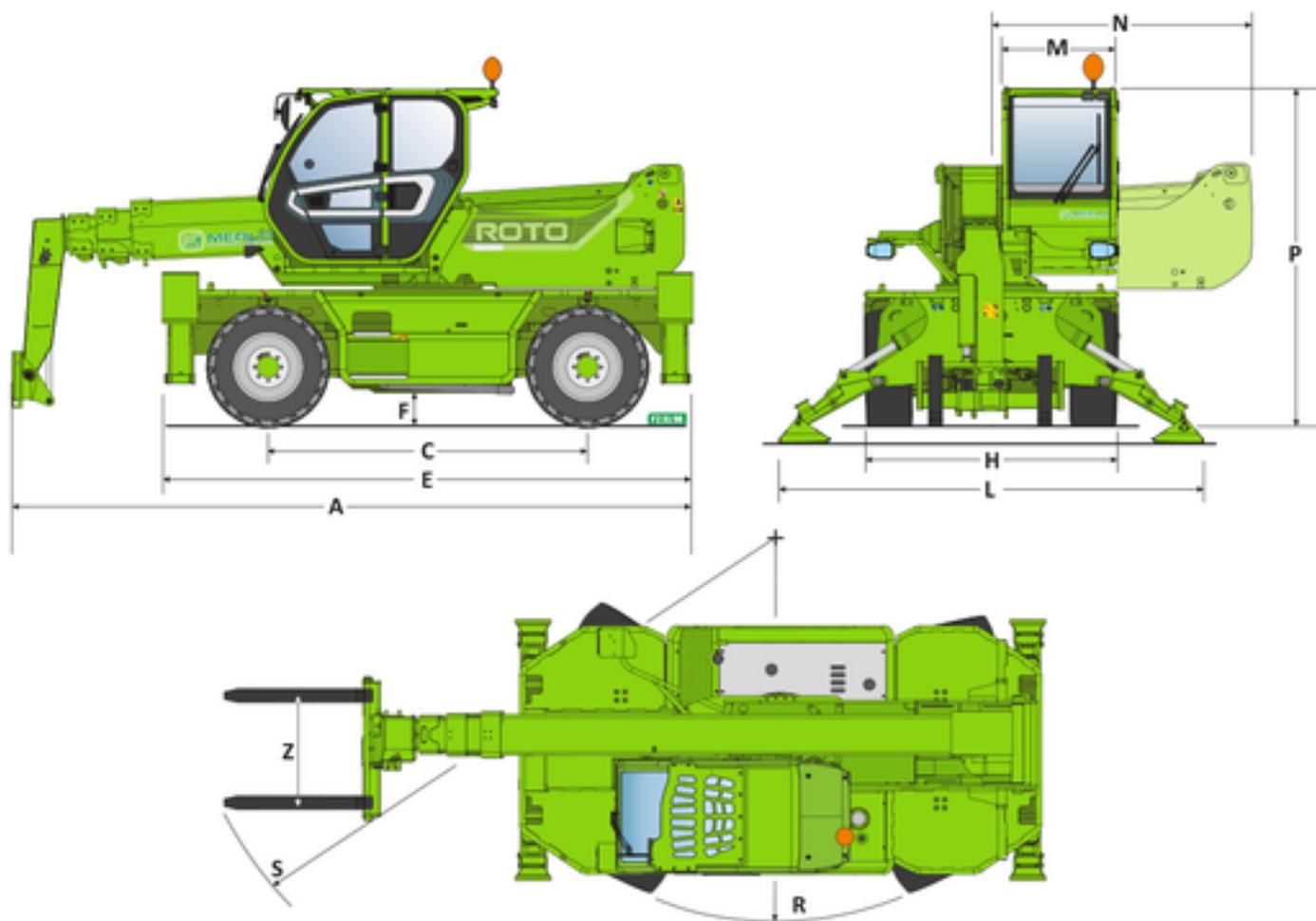
# Dimensions



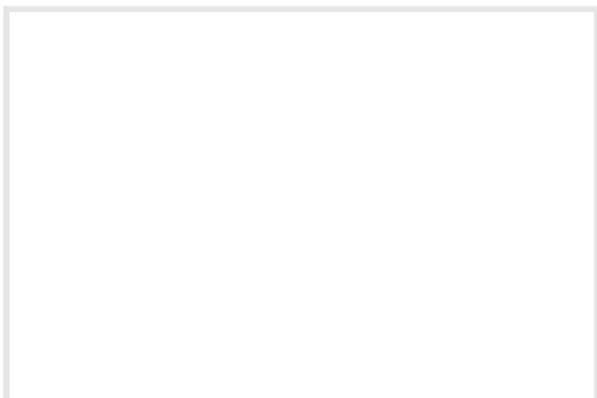
	ROTO40.18S_NA	ROTO40.18
A - Length	237	237
C - Wheelbase	113	113
F - Ground clearance	11	11
H - Width	88	88
M - Cabin width	40	40
P - Height	117	117
R - Turning radius at wheels	157	157
S - Turning radius at forks	226	226

# Technical Details





## Your Merlo dealer



### **MERLO S.P.A.**

Via Nazionale, 9  
12010 S. Defendente di Cervasca,  
(Cuneo) Italia  
Tel. +39 0171 614111

**[info@merlo.com](mailto:info@merlo.com)**  
**[www.merlo.com](http://www.merlo.com)**

