

Medium Capacity Telehandlers

Regulatory area: NA

TF42.7





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.



1 - 180° OPENING

A door that made history! Merlo is the only manufacturer to offer a door with 180° split opening. Standard on the entire range.

2 - EPD ECO POWER DRIVE

Maximum savings and efficiency! The Merlo-patented EPD system electronically controls engine and transmission. It manages engine speed, hydrostatic pump flow rate, and hydrostatic drive displacement, maximising efficiency and reducing RPM, saving up to 18% in fuel consumption.

3 - GROUND CLEARANCE

In the field as in the yard, you can not let obstacles stop you. A ground clearance of up to 460 cm allows maximum agility also on uneven terrain.



PERFORMANCE AND FEATURES
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
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
Hydraulic
Hydraulic pump
Delivery / pressure (bar-l/min)
Hydraulic oil tank capacity (gal)
Auxiliary hydraulic service on boom
Rear service line
Cab
Cab finishing
ASCS
FOPS II Cab
ROPS Cab
Controls
Tilting cab
Reverse shuttle
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

TF42.7-136
17636
9000
23' 6"
12' 5"
18' 7"
4' 8"
7000
3500
-
-
2
Perkins
3600/4
100/136
Tier 4 - SCR + DOC
●
40
140
-
●
PLUS
STD
A portale
RR 700
Dry discs
●
LS+FS
39,6-3626
26.4
●
○
ECO
Light
●
●
Electronic joystick control
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Dual reverse
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400/70-24
460/70-R24
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460/70-R24
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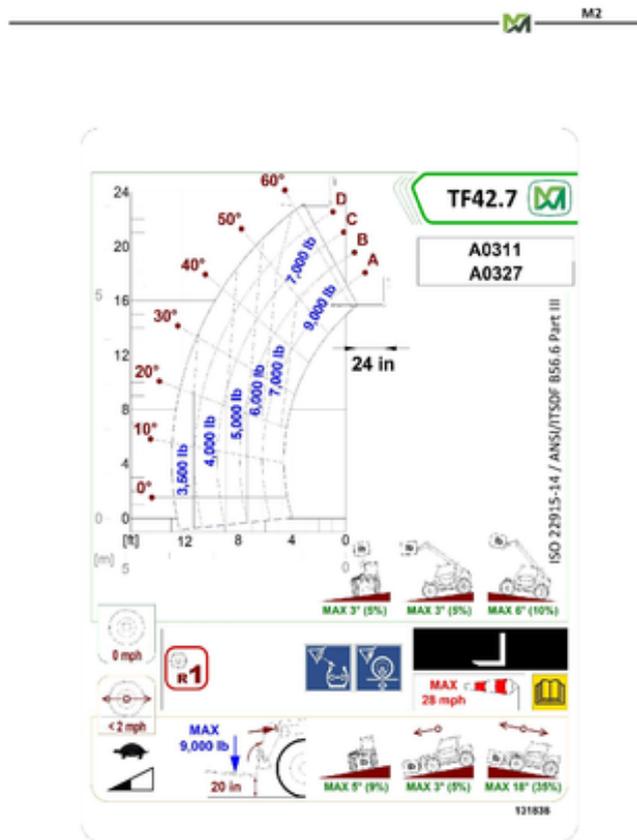
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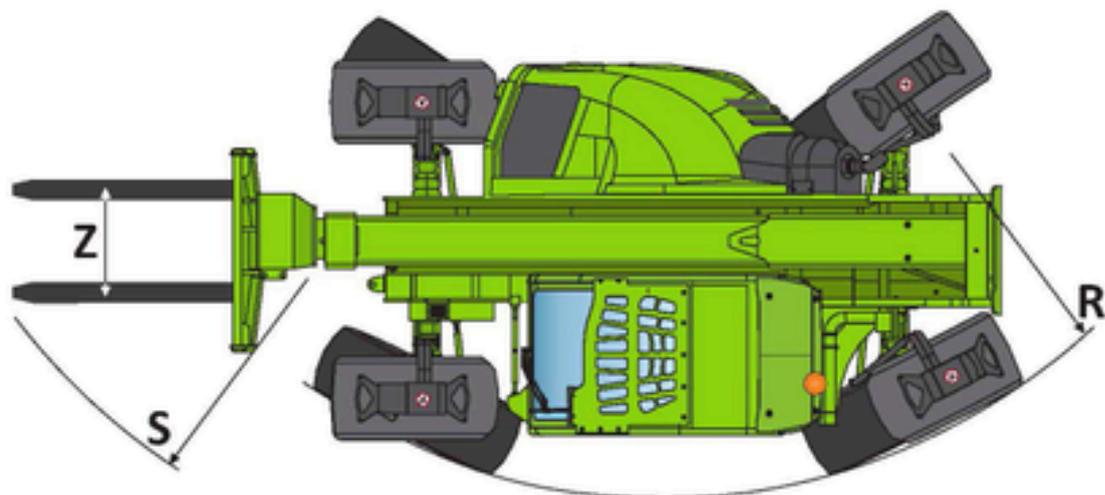
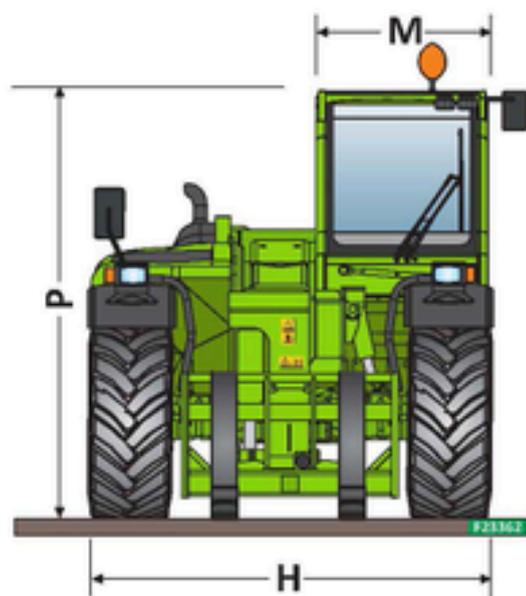
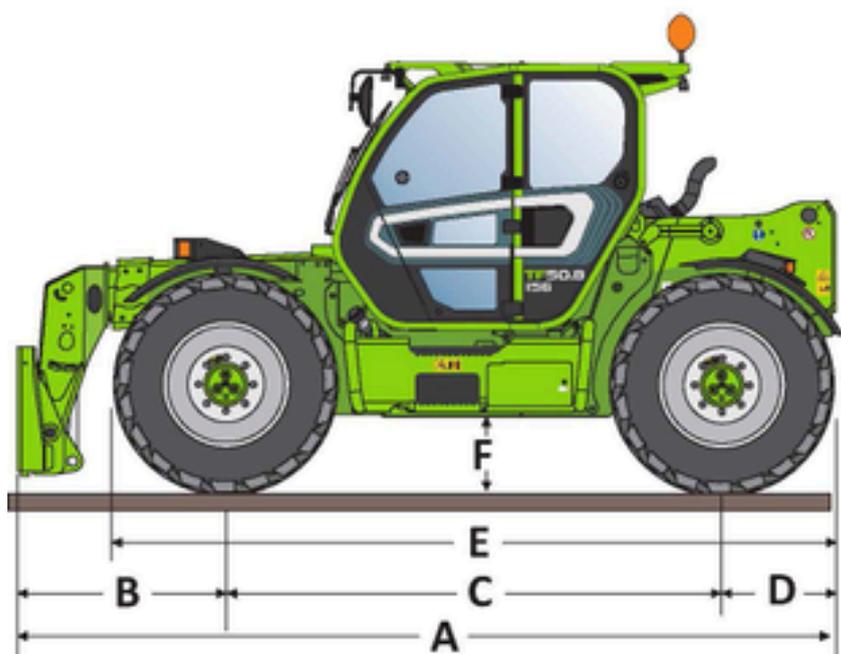
Dimensions



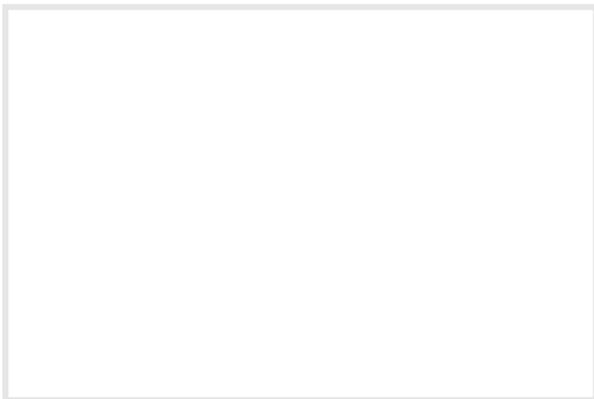
	TF42.7-136	TF42.7CS-136
A - Length	186	186
C - Wheelbase	111	111
F - Ground clearance	18	18
H - Width	91	91
M - Cabin width	40	40
P - Height	100	100
R - Turning radius at wheels	157	157
S - Turning radius at forks	189	189

Technical Details





Your Merlo dealer



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