

Compact Telehandlers

Regulatory area: AU

TF33.7





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 - COMPACTNESS	Size matters! The absence of bulky counterweights, thanks to the studied balancing of the machine, makes Merlo models often the most compact in their category.
3 - 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.
4 - IMPLEMENT RECOGNITION	Every implement has its own features. Thanks to the automatic implement recognition system, the ASCS adapts load chart and safety limits to guarantee maximum performance in total safety at all times. Standard on the entire range.



— not available
● standard
○ optional

PERFORMANCE AND FEATURES	TF33.7-115LEE	TF33.7-115EE
Performance		
Unladen weight (kg)	6600	6600
Maximum load capacity (kg)	3000	3000
Lift height (m)	6.5	6,5
Maximum reach (ft)	3,5	3,5
Lift height at max. load capacity (ft)	5.6	5.6
Reach at max. load capacity (ft)	1.1	1.1
Load capacity at max. lift height (lb)	2300	2300
Load capacity at max. reach (lb)	1300	1300
Boom side-shift (mm)	-	-
Frame levelling (%)	-	-
Boom section	2	2
Powertrain		
Engine	Deutz TCD 3.6	Deutz TCD 3.6
Range/Cylinders	3600/4	3600/4
Engine power (kW/HP)	85/115	85/115
Anti-pollution technology	Tier 3	Tier 3
Reversible Fan	●	●
Maximum speed (mph)	40	40
Fuel tank capacity (gal)	85	85
AdBlue tank capacity (gal)		
Hydrostatic transmission	●	●
EPD	PLUS	PLUS
Electronic joystick	●	●
Axles	Axial	Axial
Reducers	Epicyclic	Epicyclic
Brakes	Dry disc	Dry disc
Automatic parking brake	●	●
Hydraulic		
Hydraulic pump	LS+FS	LS+FS
Delivery / pressure (bar-l/min)	125 - 210	125 - 210
Hydraulic oil tank capacity (gal)	85	85
Auxiliary hydraulic service on boom	●	●
Rear service line	○	○
Cab		
Cab finishing	Standard	Standard
ASCS	Premium	Premium
FOPS II Cab	●	●
ROPS Cab	●	●
Controls	Electronic joystick	Electronic joystick
Tilting cab	—	—
Reverse shuttle	Dual reverse	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	400/70 - 20	400/70 - 20
OPT tyres	405/70-24	405/70-24
Hydraulically controlled stabilizers	—	—
Turret rotation	—	—
Tractor type approval	—	—
Pneumatic brakes (ton)	—	—
Hydraulic brakes (ton)	○	○
PTO	-	-
3-point rear linkage	-	-

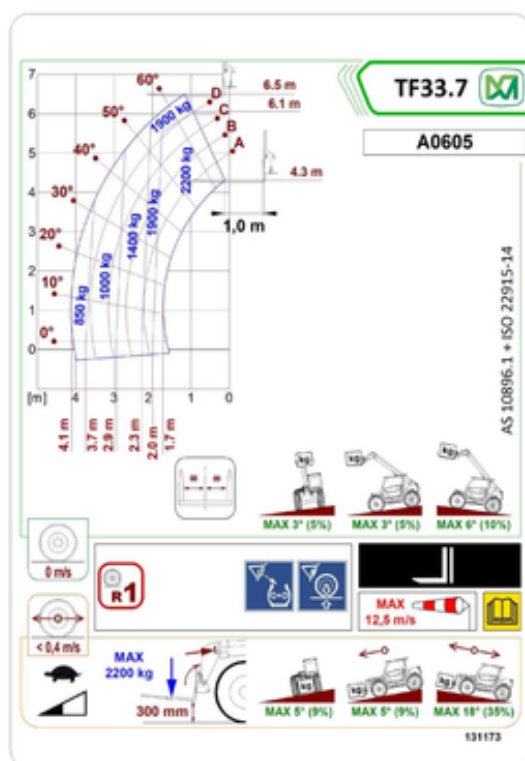
Dimensions

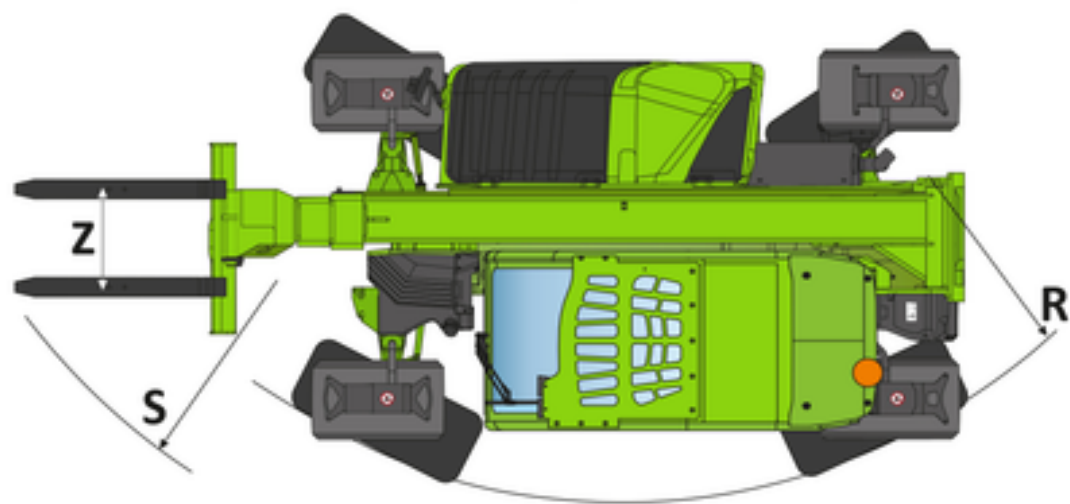
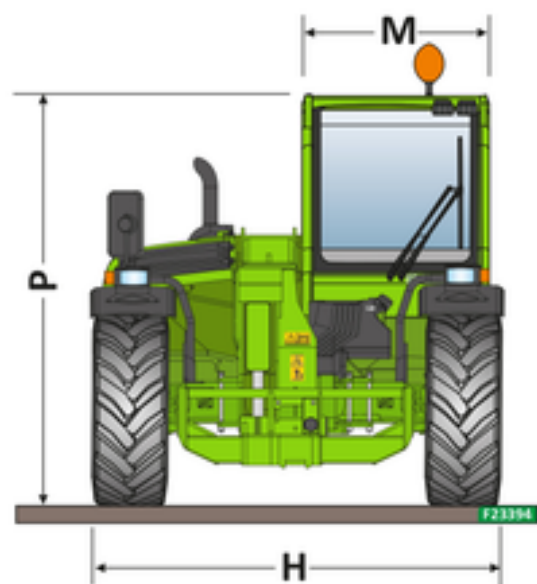
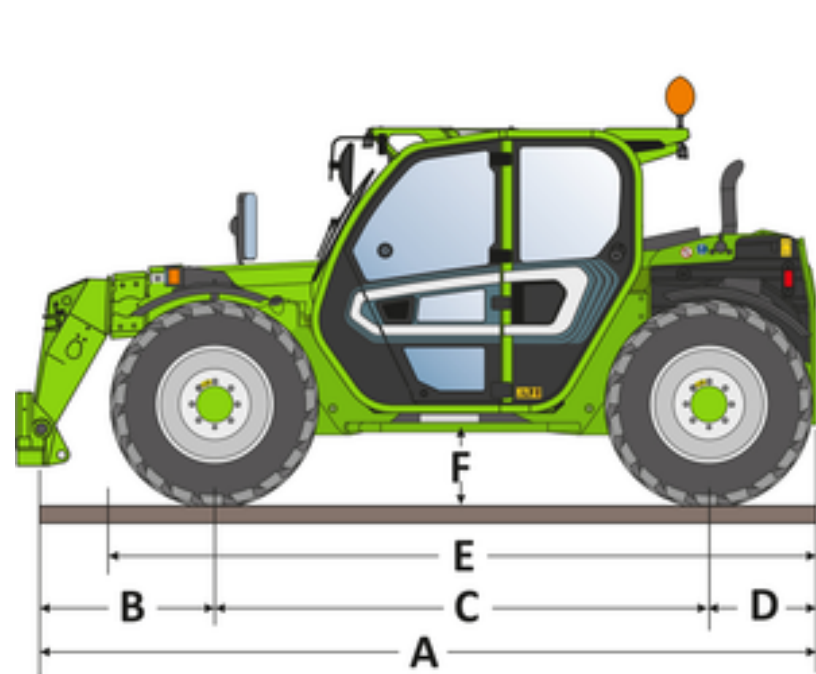


	TF33.7-115LEE	TF33.7-115EE
A - Length	4310	4310
C - Wheelbase	2740	2740
F - Ground clearance	290	290
H - Width	2100	2100
M - Cabin width	1010	1010
P - Height	2020	2120
R - Turning radius at wheels	3930	3930
S - Turning radius at forks	4660	4660

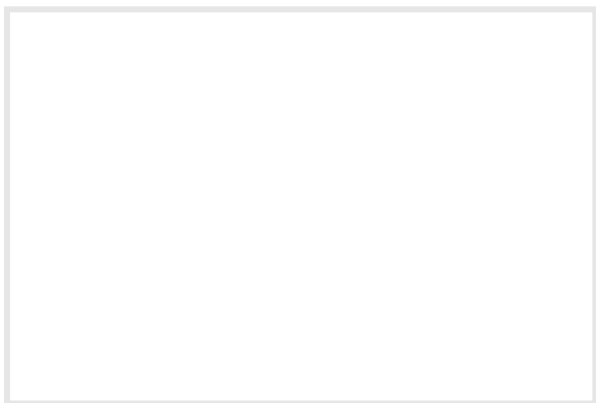
Technical Details

M2





Your Merlo dealer



MERLO S.P.A.

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

info@merlo.com
www.merlo.com

