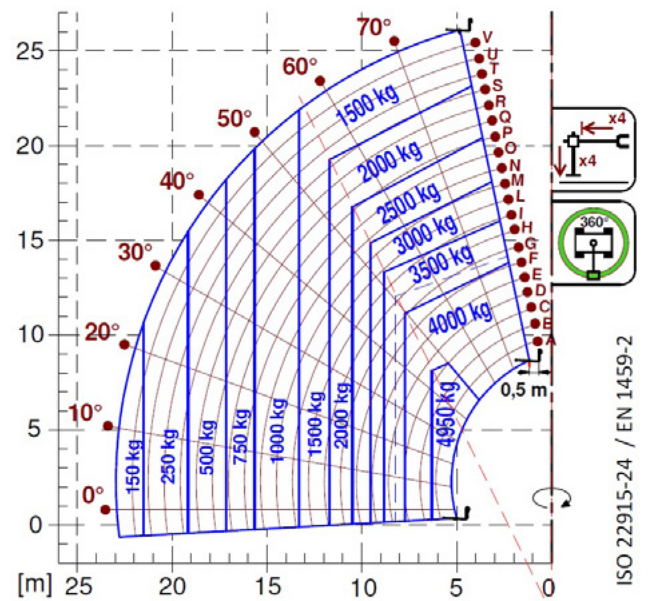




ROTO 50.26



PERFORMANCE AND FEATURES	ROTO 50.26	ROTO 50.26 S	ROTO 50.26 S Plus
PERFORMANCE			
Total unladen weight (kg)	17000	17000	17000
Maximum capacity (kg)	4950	4950	4950
Lifting height (m)	26	26	26
Maximum reach (m)	23	23	23
Maximum operating height (m)	8,5	8,5	8,5
Maximum operating reach (m)	6,3	6,3	6,3
Capacity at maximum height (kg)	1500	1500	1500
Capacity at maximum reach (kg)	150	150	150
Lateral boom movement (mm)	-	-	-
Tilting correction (%)	-	+/-10, +/-8	+/-10, +/-8
Boom sections	5	5	5
POWERTRAIN			
Turbo motor	Deutz TCD3.6	FPT NEF45	FPT NEF45
Displacement/cylinders	3600/4	4500/4	4500/4
Engine Power (kW/HP)	55/75	125/170	125/170
Anti-pollution technology	EURO IIIB, DOC	EURO IV, SCR+DOC	EURO IV, SCR+DOC
Reversible fan	-	-	-
Maximum speed (km/h)	25	40	40
Fuel tank (l)	150	150	150
AdBlue tank (l)	40	40	40
Hydrostatic transmission	● - 2V	● - 2V	● - 2V
EPD	●	●	●
Axles	Drop portal	Drop portal	Drop portal
Reduction hub	RR700	RR700	RR700
Machine brakes	Dry discs	Dry discs	Dry discs
Automatic parking brake	●	●	●
HYDRAULIC			
Hydraulic pump	LS + FS	LS + FS	2 - LS + FS
Flow rate/pressure (l/min – bar)	103 - 250	135 - 250	140+100 - 250/230
Hydraulic tank	-	-	-
Hydraulic outlet at the top of the boom	●	●	●
Rear hydraulic outlets	-	-	-
CAB			
Cab configuration	Display and continuous oil flow ○	PREMIUM	PREMIUM
MCDC	-	-	-
FOPS LIV II cab	●	●	●
ROPS cab	●	●	●
Cab commands	Electronic joystick control	Electronic joystick control	Electronic joystick control
Tilting Cab	-	-	-
Reverse shuttle	Dual Reverse	Dual Reverse	Dual Reverse
CONFIGURATION			
Cab suspension	-	-	-
Boom suspension	-	-	-
Suspension on axles	-	●	●
Work headlights on cab	○	○	○ led
Sun blind	○	○	○
Tac-lock	●	●	●
Provision for a platform	●	●	●
Two floating forks	●	●	●
Inching-Control	-	-	-
Four-wheel drive	●	●	●
Four-wheel steering	●	●	●
Three steering modes	●	●	●
Standard tyres	18-22.5	18-22.5	18-22.5
Optional tyres	-	-	-
Stabilisers	Multiposition (2 mode: full retracted-extend)	Multiposition (2 mode: full retracted-extend)	Multiposition
Turret rotation	600°	600°	360°
Type approval as an agricultural tractor	-	-	-
Approval with PNEUMATIC braking	-	-	-
Approval with HYDRAULIC braking	-	-	-
PTO	-	-	-
3-point linkage	-	-	-
DIMENSION			
Width (mm)	2400	2400	2400
Height (mm)	3080	3080	3080
Length (mm)	6800	6800	6800
Wheelbase (mm)	3050	3050	3050



ROTO 50.26

GLOSSAR

SCR

Selective Catalyst Reduction, solution used for the reduction of NOx in the exhaust gases through the injection of a liquid - UREA (AdBlue) - into the exhaust gases.

DPF

Diesel Particulate Filter, a solution used to reduce fine particle emissions in exhaust gases

DOC

Diesel Oxidation Catalyst, a solution used to reduce carbon monoxide (CO) and hydrocarbons in exhaust gases

EGR

Exhaust Gas Recirculation, a solution used to reduce NOx in exhaust gases by recirculating gas inside the combustion chamber of the engine.

1-2V

1 or 2 speed **Merlo gearbox**

CVTronic

Continuous variation Merlo gearbox, for constant acceleration without loss of torque

EPD

Eco Power Drive, Merlo electronically-controlled hydrostatic transmission Electronic, enables effective RPM management in order to reduce overall fuel consumption by the machine

EPD Plus

In addition to the **EPD** Control, it is also possible to work using Speed Control (maintaining a constant travel speed) and Heavy Load (management of RPM in order to maximise performance for tasks such as: bucketing operations, heavy duty unloading, etc.)

EPD Top

In addition to the **EPD Plus** control function, this enables the RPM to be managed directly using the joystick

Gear

Fixed displacement pump with gears, combined with an open centre hydraulic distributor

LS

Variable displacement pump with **Load Sensing** control, combined with a closed centre hydraulic distributor

LS+FS

Variable displacement pump with **Load Sensing** control, combined with a closed centre hydraulic distributor equipped with solenoid valves and **Flow Sharing** control.

Kabine ECO/PREMIUM

MODULAR type cabin with simplified or PREMIUM equipment

MCDC

Merlo Dynamic Load Control, electronic control of the machine's anti-overflow system.

• **Light**: Simplified version; • **Complete**: Version with display in cab.

FOPS

Falling object protective structure, the system which shields the operator from heavy objects falling onto the cab. Two levels:
• **FOPS Liv I**: Object with a weight of 45 kg falling from 3 metres • **FOPS Liv II**: Object with a weight of 227 kg falling from 5.2 metres

ROPS

Roll-over protection system (or roll-over protection structure), the system that protects the operator if the vehicle rolls over

Finger Touch

Driving direction inversion system mounted on the steering column

Dual Reverse

Dual driving direction inversion system, on both the steering column and the joystick

Tac-lock

Hydraulic attachment clamping system controlled from the cab



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