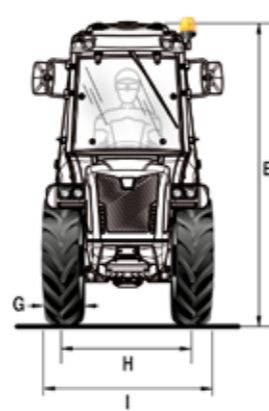
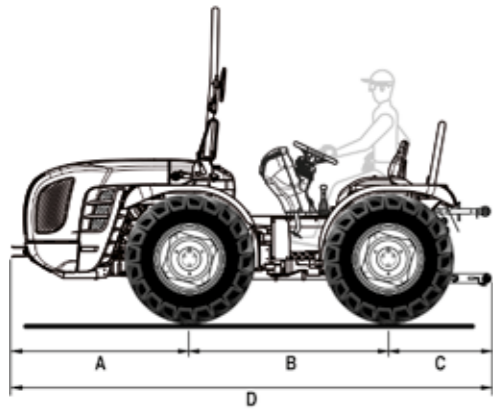


# MARS L80N

## AR



Conical cabin

A	B	C	D	E min / max (with roll-bar)	E min / max (with Conical cabin)	F min / max
1334	1495	932	3761	2269 / 2364	2122 / 2217	161 / 271



		11.5/80-15.3	9.50-20	250/80R18	280/70R18	320/65R18	300/70R20	320/70R20*	340/65R20	31x15.50-15 XTC	31x15.50-15 STG	33x12.50-15
		with adjustable rim	with adjustable rim	with adjustable rim	with adjustable rim	with adjustable rim	with adjustable rim	with adjustable rim	with adjustable rim	with fixed rim	with fixed rim	with fixed rim
<b>G</b>	Tyre width (mm)	290	245	240	282	320	286	316	343	368	394	325
<b>H</b>	Wheel track min/max (mm)	1052 / 1076	880 / 1334	912 / 1216	960 / 1284	1002 / 1216	984 / 1364	996 / 1260	984 / 1364	1006 / 1120	1120	959 / 965
		948 / 972	882 / 1230	898 / 1112	1022 / 1112	1022 / 1112	996 / 1260	996 / 1260	996 / 1260	1016	1016	959 / 965
<b>I</b>	Width min/max (mm)	1342 / 1366	1125 / 1579	1152 / 1456	1242 / 1566	1322 / 1536	1270 / 1650	1312 / 1576	1327 / 1707	1374 / 1488	1514	1284 / 1290
		1238 / 1262	1127 / 1475	1138 / 1352	1304 / 1394	1342 / 1432	1282 / 1546	1312 / 1576	1339 / 1603	1384	1410	1284 / 1290

\*not compatible with cabin

TECHNICAL FEATURES	MARS L80N AR (monodirectional)	MARS L80N AR (reversible)
<b>ENGINE</b>	Kohler KDI 2504 TCR	
Number of cylinders	4	
Displacement (cc)	2482	
Aspiration	Turbo / Intercooler	
Fuel system	Direct injection Common-rail	
Emission level	Stage 3B	
Balancing	With counter-balance shaft	
Power (kW/hp)	55.4 / 75.3	
Nominal speed (rpm)	2,300	
Maximum torque (Nm/rpm)	300 / 1,500	
Speed management	Electronically regulated with a console with functions: increase and decrease of engine speed, memorize and recall a particular speed or switch off the electronic throttle and go to the minimum idle speed	
Cooling	Water	
Tank capacity (lt)	54	
<b>CHASSIS</b>	Swinging integral chassis OS-Frame with central articulation	
<b>DRIVE</b>	Four-wheel drive, permanent	
<b>TRANSMISSION</b>	Synchronized gearbox: 32 speeds (16 forward and 16 reverse) with synchronized reverser	
Main clutch	Multidisc in oil bath with electronic hydraulic control and Pro-Act System. Clutch reactivity adjustable on 4 levels	
<b>DIFFERENTIAL</b>	Front and rear. With simultaneous or rear only differential lock and electro-hydraulic control	
<b>AXLES</b>	Front and rear, with epicyclic reduction units	
<b>REAR POWER TAKE-OFF</b>	Independent from the gearbox, 540/540E rpm and synchronized with the gearbox. Engageable under load with brake in disengaged position	
PTO clutch	Multidisc, in oil bath and electro-hydraulic control	
<b>HYDRAULIC SYSTEM</b>	Double circuit with independent pumps and heat exchanger	
Flow rate to the hydroguide and the electro-hydraulic controls (lt/min)	13.5	
Flow rate to the lift and the control valves (lt/min)	29.5 (optional oversized pump with flow rate 51 lt/min)	
Max hydraulic pressure (bar)	180	
<b>CONTROL VALVES</b>	Mechanical control	
Rear (standard)	For lift by rams: 1 single acting and 2 double acting For lift with draft and position control: 2 double acting	For lift by rams or with draft and position control: 2 double acting
Rear (optional)	For lift by rams or with draft and position control (in addition to the standard ones): 1 single acting and 1 double acting with float or 1 double acting and 1 double acting with float	For lift by rams (replacing the standard ones): 1 single acting, 1 double acting and 1 double acting with float or 1 double acting and 1 double acting with float. For lift with draft and position control (replacing the standard ones): 1 single acting and 1 double acting or 1 double acting and 1 double acting with float
Joystick (as optional)	Not available	With electronic control, complete with 1 single acting control valve with adjustable flow and free return, 5 double acting control valves (replacing the standard ones) and oversized pump
<b>REAR LIFT</b>	Standard: by two external rams. Optional: draft and position control	
Three-point hitches	Standard: standard couplers cat. 1 and 2. Optional: quick couplings, L-shaped, cat. 1 and 2, arms with adjustable length and hooks with adjustable width	
Three-point tie bar	With manual adjustment. Optional: hydraulically controlled upper link and tie rod link arm	
Lifting capacity at the end of the arms (kg)	2,300	
<b>ELECTRIC SYSTEM</b>	Battery 100 Ah, Alternator 95 A	
<b>DRIVING UNIT</b>	Monodirectional with semi-platform and suspended brake-clutch pedals	Reversible with rotating platform suspended on silent-block and suspended brake-clutch pedals
Seat	Standard: comfortable sprung seat adjustable according to the driver's weight, safety belt and 'man on board sensor'. Optional: 'Kab Seating' seat	Standard: comfortable sprung seat adjustable according to the driver's weight, safety belt and 'man on board sensor'. With gas spring for easy tipping. Optional: 'Kab Seating' and 'Grammer' pneumatic seat
<b>SERVICE BRAKES</b>	Oil immersed multidisc, acting on the rear transmission, with hydrostatic control	
Parking brake	Acting on the rear transmission, with hand lever	
<b>STEERING</b>	With hydrostatic steering by two rams, acting on the central articulation	With hydrostatic steering by two rams, acting on the central articulation. Flow deviator for steering unit
<b>SAFETY</b>	Standard: front homologated roll-bar, with gas springs for an easy lowering and lifting	
<b>CABIN (as optional)</b>	Not available	
<b>CONSOLE</b>	With TFT colour display to check: working time, engine speed, forwarding speed, PTO speed, instantaneous fuel consumption and current time. Analogue indicators with engine speed, engine coolant temperature and fuel level. Warning lights and acoustic alarm	
<b>TYRES (standard)</b>	250/80-18	
Optional	11.5/80-15.3 * 280/70-18 * 320/65-18 * 9.50-20 * 300/70-20 * 320/70-20 * 340/65-20 * 31x15.50-15 XTC and STG * 33x12.50-15	
<b>TOW HOOKS (standard)</b>	Front and rear CUNA	
Optional	Rear rotating or rear adjustable in height (Slider type) tow hooks, both EC approved or CUNA rear adjustable in height (Slider type)	
<b>WEIGHT OPERATIONAL</b>		
With roll-bar (kg)	2,050	
With cabin (kg)	2,320	
<b>OPTIONAL</b>	LED lights, front bumper, beacon lamp, front weight kg 120 and weights for wheels kg 50 each	