

SPECIFICATIONS

MODELS		6170 IMPULS	6180 IMPULS	6200 IMPULS			
TRANSMISSION							
S-Control™ CVT Continuously variable transmission Driving speed* 0-50 kph ECO or 0-40 kph ECO		•	•	•			
S-Control™ 8 Dual Clutch Transmission (DCT) Driving speed* 0-50 kph ECO or 40 kph ECO		•	•	•			
ENGINE							
Common rail diesel engine with HI-eSCR2 technology, 24 valves, turbocharger and intercooler, fulfills emission standards Stage V Number of cylinders / Capacity [cm ³]		6 / 6,718	6 / 6,718	6 / 6,718			
Max. engine power ECE R120 ¹⁾ [kW/hp(CV)]	Rated engine power ECE R120 ¹⁾ [kW/hp(CV)]	141 / 192	125 / 170	155 / 211	130 / 180	166 / 226	147 / 200
Engine speed at max. engine power [rpm]	Rated engine speed [rpm]	1,600	2,200	1,600	2,200	1,600	2,200
Max. torque [Nm @ 1,300 rpm]		906		979		1,063	
Torque increase OECD [%]		30		28		31	
Fuel tank Diesel / AdBlue* [l]		270 / 48		270 / 48		270 / 48	
PTO							
Shiftable with progressive electro-hydraulic engagement with optional PTO management	3-PTO speed [rpm] 540 / 540E / 1,000 / 1,000E	•	•	•			
	Engine rpm [rpm] 1,901 / 1,575 / 1,929 / 1,594	•	•	•			
	PTO shaft type	6 and 21 splines	6 and 21 splines	6 and 21 splines			
	Front PTO* 1,000 @ 1,920 engine speed [rpm]	•	•	•			
HYDRAULICS							
EHR hitch control with dynamic vibration damping Ride Control		•	•	•			
Max. pump flow rate with pressure/volume control, load Sensing	150 l/min	•	•	•			
	170 l/min	•	•	•			
Max. operating pressure [bar]		210	210	210			
Max. lifting capacity (kg)		8,380	8,380	8,380			
Remote valves	rear, up to 5 electrical can be configured	•	•	•			
	midmounted, up to 4 electrical	•	•	•			
Hydraulic linkage Cat III with high-speed tail hook		•	•	•			
Integrated front hitch* max. lifting capacity [kg]		4,180	4,180	4,180			

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ALL-WHEEL DRIVE				
Engagement electro-hydraulic with traction management		•	•	•
FRONT AXLE STEERING				
Suspended front axle		•	•	•
Steering system Hydraulic, load-sensing system		•	•	•
Steering wheel Height- and tilt-adjustable		•	•	•
Steering angle Track width ³⁾ 1,960 mm [°]		54	54	54
Min. turning radius Track width ³⁾ 1,960 mm [m]		11,400	11,400	11,400
BRAKES				
Wet dual brake discs, hydraulically actuated		•	•	•
All-wheel brake		•	•	•
Two-line compressed air braking system		•	•	•
S-BRAKE patented trailer brake system		•	•	•
TYRES				
Maximum tyre size⁴⁾	Front	600/65R28 or 600/60R30	600/65R28 or 600/60R30	600/65R28 or 600/60R30
	Rear	650/75R38 or 710/60R42	650/75R38 or 710/60R42	650/75R38 or 710/60R42
WEIGHT				
Approximate shipping weight standard / suspended front axle⁵⁾ [kg]		7,700 / 8,000	7,700 / 8,000	7,700 / 8,000
Permissible total weight [kg]		11,500 / 13,500	11,500 / 13,500	11,500 / 13,500
DIMENSIONS³⁾				
Max. length [mm]			5,003	
Fender no extension / Fender wide extension [mm]			2,130 - 2,512	
Total height [mm]			2,301	
Wheelbase [mm]			2,789	
Min. – max. track width front [mm]			1,556 – 2,268	
Min. – max. track width rear with adjustable bar axle [mm]			1,870 - 2,192	

• Standard • Optional – Not available

*Depending on country-specific legislative requirements and specifications

¹⁾ ECE R120 complies with ISO 14396 and 97/68EC

²⁾ PowerPlus is available on the basis of defined prerequisites for transport operations and PTO operation

³⁾ With standard tyres

⁴⁾ Other tyres available as special equipment on request (i.e. as cost options)