



6175 Impuls CVT

6165 Impuls CVT

6150 Impuls CVT

ENGINE

Number of cylinders	6	6	6
Type	Common Rail Diesel engine with 24 valves, turbocharged and intercooled	Common Rail Diesel engine with 24 valves, turbocharged and intercooled	Common Rail Diesel engine with 24 valves, turbocharged and intercooled
Emission Level	Stage V	Stage V	Stage V
Capacity (cm³)	6728	6728	6728

ENGINE PERFORMANCE

Maximum engine power with Power Management (hp (kW))	225 (166)	210 (155)	190 (140)
Maximum engine power (hp (kW))	180 (132)	180 (132)	165 (121)
@ engine speed (rpm)	1800–1900	1800–1900	1800–1900
Rated engine power with Power Management (hp (kW))	205 (151)	190 (140)	175 (129)
Rated engine power (hp (kW))	180 (132)	165 (121)	150 (110)
Rated engine speed (rpm)	2200	2200	2200
Maximum torque Power Management (Nm @ rpm)	940 @ 1500	875 @ 1500	805 @ 1500
Maximum torque (Nm @ rpm)	770 @ 1500	770 @ 1500	700 @ 1500
Torque rise Standard and Power Management (%)	46 / 44	46 / 44	46 / 44
Fuel tank capacity diesel / urea (litres)	330 / 48	330 / 48	330 / 48



6175 Impuls CVT

6165 Impuls CVT

6150 Impuls CVT

STANDARD TRANSMISSION

Transmission Type	S-Control CVT - continuously variable transmission	S-Control CVT - continuously variable transmission	S-Control CVT - continuously variable transmission
Maximum Speed Forward (kp/h)	40 Eco / 50 Eco	40 Eco / 50 Eco	40 Eco / 50 Eco
Powershuttle	Standard	Standard	Standard
Creeper	integrated	integrated	integrated

OPTIONAL TRANSMISSION 1

Transmission Type	-	-	-
Maximum Speed Forward (kp/h)	-	-	-
Powershuttle	-	-	-
Creeper	-	-	-

OPTIONAL TRANSMISSION 2

Transmission Type	-	-	-
Maximum Speed Forward (km/h)	-	-	-
Powershuttle	-	-	-
Creeper	-	-	-

POWER TAKE OFF

PTO Type	Electro-hydraulic with Auto PTO control available	Electro-hydraulic with Auto PTO control available	Electro-hydraulic with Auto PTO control available
Speed Standard @ rpm	540 / 540E / 1000 @ 1969 / 1546 / 1893	540 / 540E / 1000 @ 1969 / 1546 / 1893	540 / 540E / 1000 @ 1969 / 1546 / 1893



6175 Impuls CVT

6165 Impuls CVT

6150 Impuls CVT

Speed Optional @ rpm	540E / 1000 / 1000E @ 1592 / 1893 / 1621	540E / 1000 / 1000E @ 1592 / 1893 / 1621	540E / 1000 / 1000E @ 1592 / 1893 / 1621
Ground drive	-	-	-
Shaft type	1 3/8" 21 splines (1 3/8" 6 splines)	1 3/8" 21 splines (1 3/8" 6 splines)	1 3/8" 21 splines (1 3/8" 6 splines)

FRONT PTO AND HITCH

Speed Standard @ rpm	1000 @ 1895	1000 @ 1895	1000 @ 1895
Front hitch lift capacity (kg)	3568	3568	3568

DRIVE AND STEERING (DRIVELINE)

2WD	-	-	-
4WD	Yes	Yes	Yes
Front axle suspension	Standard	Standard	Standard
Steering angle (°)	55	55	55
Min.turning radius (m)	5.45	5.45	5.45
Rear axle diff-lock	Multi disc wet plate with management system	Multi disc wet plate with management system	Multi disc wet plate with management system
Service Brake Type	Hydraulically operated multiple wet disc brake, self adjusting	Hydraulically operated multiple wet disc brake, self adjusting	Hydraulically operated multiple wet disc brake, self adjusting
ABS Anti-lock braking system	-	-	-

HYDRAULIC SYSTEM

System Type	Variable displacement, pressure flow compensated pump	Variable displacement, pressure flow compensated pump	Variable displacement, pressure flow compensated pump
-------------	---	---	---



6175 Impuls CVT

6165 Impuls CVT

6150 Impuls CVT

Max. pump flow rate Standard / Option (litres)	147 / 166	147 / 166	147 / 166
System pressure (bar)	210	210	210
Control type	Electronic Hitch Control (EHC) with hitch ride control	Electronic Hitch Control (EHC) with hitch ride control	Electronic Hitch Control (EHC) with hitch ride control
Max. lift capacity (kg)	8257	8257	8257
OECD lift capacity through range @ 610 mm (kg)	6616	6616	6616
Max. number of rear remotes valves	5 elec.	5 elec.	5 elec.
Max. number of mid mount valves	3	3	3
Remote valve timer control	0-60 seconds	0-60 seconds	0-60 seconds
Category type	Cat. III	Cat. III	Cat. III
Slip control	Standard	Standard	Standard