

	5080 GF/GV	5090 GF/GV	5100 GF/GV	5090GH	5080RN	5090RN	5100RN
ENGINE PERFORMANCE							
Stage III certified acc. 97/68/EC							
Rated Power (97/68 EC), kW (hp)	59 (80)	66 (90)	74 (100)	66 (90)	59 (80)	66 (90)	74 (100)
Max. Power (97/68 EC) , kW (hp)	60 (81)	67 (91)	75 (102)	67 (91)	64 (87)	72 (98)	79 (108)
Rated Power (ECE-R24), kW (hp)	54.5 (74)	62 (84)	69 (94)	62 (84)	56 (76)	63 (86)	71 (96)
Max. Power (ECE-R24), kW (hp)	55.5 (75,5)	62 (85)	70 (96)	62 (85)	61 (83)	69 (94)	77 (104)
Constant power range, rpm / max. torque (97/68/EC)	500 / 325	500 / 365	200 / 375	500 / 365	334 / 550	376 / 550	416 / 550
Rated Speed, rpm		2300		2300		2300	
Type	PowerTech M, mechanical injection, 2 Valve, Stage III A Emissions Certified, Turbocharger with Charge Air cooler			PowerTech M, mechanical injection, 2 Valve, Stage III A Emissions Certified, Turbocharger with Charge Air cooler		PowerTech E, CommonRail, 2 Valve, Stage III A Emissions Certified	
Cylinder/Displacement	4/4525			4/4525		4/4525	
Cooling fan drive	Temperature controlled viscous fan			Temperature controlled viscous fan		Temperature controlled viscous fan	
Fuel Injection system & Control	mechanical injection			mechanical injection		High Pressure CommonRail	
Fuel Tank Capacity in litres	74			80 (Optional 96 for 2WD only)		114	
TRANSMISSION OPTIONS							
Clutch	Heavy duty dry clutch, 280 mm diameter disc in Base, optional PowerReverser Multi disc wet clutch, 135 mm diameter discs available			Heavy duty dry clutch, 280 mm diameter disc in Base, optional PowerReverser Multi disc wet clutch, 135 mm diameter discs available		Oil-cooled PermaClutch II, 225 mm diameter discs, base equipment	
Parking lock	N/A	N/A	N/A	N/A		base equipment	
TRANSMISSION OPTIONS							
	12F/12R Syncro Reverser 1.4 – 30 km/h			12F/12R Syncro Reverser 1.4 – 30 km/h		16/16 PowerQuad Plus 3.3 – 40 km/h	
	24F/24R Syncro Reverser with mechanical Hi-Lo 0.5 – 40 km/h			24F/24R Syncro Reverser with mechanical Hi-Lo 0.5 – 30 km/h		16/16 PowerQuad Plus with 16/16 Underdrive 1.5 – 40 km/h	
	24F/24R Syncro Reverser with electro-hydraulic Hi-Lo 0.5 – 40 km/h					16/16 AutoQuad Plus 3.3 – 40 km/h	
	24F/12R PowerReverser electro-hydraulic Hi-Lo and de-clutch button 0.5 – 40 km/h					16/16 AutoQuad Plus with 16/16 Underdrive 1.5 – 40 km/h	
	2 Lever shifting; Mechanical lefthand reverser at 12F/12R and 24F/24R Syncro Reverser transmissions; PowerReverser transmissions available with electrical left hand reverser and De Clutch button			2 Lever shifting; Mechanical lefthand reverser		1 Lever shifting, De Clutch button, SoftShift, Speed matching, CruiseControl in Base, Automatic Shift point control (AutoQuad)	
PTO-REAR							
PTO Clutch	Mechanical, Servo assisted or electro hydraulic engagement			Mechanical engagement		Electro-hydraulically operated oil-cooled multi-disc	
540/540E PTO with 6 Spline Shaft, Engine rpm	1938 / 1648			1938 / 1648		2097 / 1701	
540/540E/1000 PTO with Reversible 6 & 21 Spline Shaft, rpm	1938 / 1962			1938 / 1962		2097 / 1697 / 2074	
	(540/1000 PTO with 6 spline shaft)			(540/1000 PTO with 6 Spline Shaft)			
PTO-FRONT							
Speed, rpm						1000	
HYDRAULIC SYSTEM							
Maximum Flow in l/min	71 with 190 bar (24 l/min + 47 l/min) Optional 84 with 190 bar (24 l/min + 60 l/min) Optional 104 with 190 bar (24 l/min + 60 l/min + 20 l/min)			71 with 190 bar (24 l/min + 47 l/min) Optional 84 with 190 bar (24 l/min + 60 l/min)		Maximum Flow 56 or 65 with 200 bar	
Type	Open Center			Open Center		Load sensing with constant flow pump (PC = pressure compensated)	
Maximum SCV's	4			3		3	
Mid mounted couplers	optional, 4 SCV's with free pressure return						
3-POINT HITCH – Rear							
Hitch control	Mechanical in base / electronic optional			Mechanical in base / electronic optional		Electronic lower link	
Sensing Type	Mechanical center link			Mechanical center link		Load & depth control, infinite mix, float	
Sensing Modes	Load & depth control, infinite mix, float			Load & depth control, infinite mix, float			
Control Modes	Height limiter, rate of drop, quick raise & lower			Height limiter, rate of drop, quick raise & pull-in; hitch dampening			
Maximum Lift Capacity at Hooks, kN	24			24		42	

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FRONT HITCH							
Max lift capacity	N/A			Max lift capacity 29 kN			
AXLES							
Axle Type	2 WD or MFWD			2 WD or MFWD	MFWD		
Engagement 4WD	Mechanical or Electro-hydraulically			Mechanical	Electro-hydraulically operated, oil cooled clutch		
Engagement Front Differential Lock	Automatic self-locking under full load			Automatic self-locking under full load	Automatic self-locking under full load		
Engagement Rear Differential Lock	Mechanical or Electro-hydraulically			Mechanical	Electro-hydraulically operated, oil-cooled multi-disc		
Steering angle in °	55			55			
BRAKES							
Foot Brake	Oil-cooled discs, self-equalizing, self-adjusting			Oil-cooled discs, self-equalizing, self-adjusting	Oil-cooled discs, self-equalizing, self-adjusting		
4WD Braking	Automatic MFWD engagement on 40 Km/h transmissions			Automatic MFWD engagement	Automatic 4WD engagement		
CAB							
Type	Liftable cab; 320° all-round vision; Optional telescoping steering column/wheel			Liftable cab; 320° all-round vision; Optional telescoping and tiltable steering column/wheel	Tiltable cab; 310° all-round vision; telescoping and tiltable steering column/wheel; 2 storage compartments; opt. FieldOffice		
Sound Level under Full Load in dB (A) (OOS)	82 (86)			81 (86)	74		
Service	Liftable cab			Liftable cab	Tiltable cab (Standard and Low Profile)		
Display	Single instrument panel			Single instrument panel	Dual Gauge II Premium panel and additional info-display in rh B-post		
Standard Lightning	2 working lights front and rear			4 working lights front and 2 rear	4 working lights front and 4 rear; roof hatch with glass;		
Cab mounting	Isolated cab frame on 4 vibration absorbing rubber mounts			Isolated cab frame on 4 vibration absorbing rubber mounts			
Cab pressurisation				1mb			
Important Options	AC; openable front windshield; 2 beltline H4 lights Cupholder Open Operator Station (OOS)			Air Conditioning; openable front windshield; 2 beltline H4 lights Cupholder Open Operator Station (OOS)	AC; Low Profile cab; tiltable windshield; 4 working lights front and 4 rear; roof hatch with glass; Loader packages with mid-mounted couplers and joystick; Electronic operator assistance package HMS II; FieldOffice;		
CHASSIS							
Structure	Block construction			Block construction	Full steel frame		
DIMENSIONS AND WEIGHTS							
	5CF		5CV				
Wheelbase / Ground Clearance, mm	2085 / 2093		2085 / 2093	2203 / 2178		2250 / 390	
Overall Height Standard Cab / Low Profile Cab, mm	2415 / 2612		2345 / 2542	2649 / – / 2589		2595 / 2540 (low Profile Cab)	
Center of Rear Axle to Top of Cab Roof / Open station ROPS, mm	1785 / 1982		1785 / 1982	1924 / – / 1864		1850	
Cab width rear (12.4R36 rear tires), mm						1720	
Ground Clearance MFWD, Center, mm	275		225	630 (780 on 2WD)		390	
Overall width front at the ground (11.2R20 front tires)						1840	
Overall width of front axle / Flange width front axle, mm						1860 / 1640	
Overall Width, mm	1540 (Rear thread setting 1120 mm)	1162 (Rear thread setting 872 mm)		2015 (Rear thread setting 1620 mm)			
Overall Length with Base Weight, mm	3886		3886	3886		3950	
Minimum Shipping Weight / Maximum Permissible						3700 / 6600	
Gross weight at 40 km/h, kg							
Average Shipping Weight MFWD cab / ROPS, kg	2895 / 2700		2715 / 2575	3635 / 3360			