



CONTINUALLY EVOLVING.

THE UPGRADED G-SERIES EVOLUTION RANGE

CASE is excited to welcome new model 651G, with enhanced loading performance, and updated mid-sized models 721G, 821G and 921G, whose improved tipping loads and bucket dump heights bring them to the top of their categories for productivity.



FEATURES DESIGNED FOR YOU.

DELIVERING BUCKETS OF ENHANCEMENTS

With higher payload and dump height, new buckets and heavy duty axles as standard, the mid-size models' loading performance now rivals that of the best-in-class machines on the market.

HIGHER PAYLOAD

Reinforced chassis (651G-921G) enhance reliability and durability, with a slightly higher operating weight significantly increasing tipping load.

NEW REHANDLING BUCKETS

More capable buckets (651G-921G) enable higher penetration, higher capacity and better material retention. In other words: HIGHER PRODUCTIVITY.

ENHANCED DUMP HEIGHT

Increased dump height means more flexibility loading high-sided trucks, hoppers, etc., while maintaining great kinematic performance.

STANDARD HEAVY-DUTY AXLES

Mid-sized models come with heavy duty axles as standard, with flexible front/rear differential combinations:

- 100% lock front / rear open diff;
- 100% lock front / limited slip rear;
- Limited slip front and rear.



YOUR EQUIPMENT, YOUR PARTNER.

SIX REASONS WHY WHEEL LOADERS ARE MADE FOR YOU

SUSTAINABLE POWER

FPT Stage V engines; Waste gate (521G-921G)

Variable geometry turbo (1021G-1121G);

High pressure common rail electronic injection;

HI-eSCR2 after treatment system;

HVO and XTL synthetic oil compatible.

POWERFUL DRIVELINE

ZF Ergopower transmission 5-speed with torque converter lock-up and intelligent clutch cut-off available (621G-921G);

Heavy duty axles as standard, with various front/rear differential combinations.

3 EFFORTLESS OPERATION

Intuitive touchscreen display;
Easily set boom and bucket
automatic positioning;
Configurable buttons;
Integrated payload scale with tip-off
function available;
Optional tyre pressure monitoring
system.







OUR CUSTOMERS' VOICES

TOUCHSCREEN DISPLAY

Take control of all the machine's functionality with the touchscreen display, with new features designed to enhance driver experience.

NEW FEATURES

Fixed rpm engine speed setting; Ride control engagement speed setting.

Plus recent additions:

Digital operator's manual; Adjustable EH controls response; New power modes; Configurable buttons.

SUPERIOR COMFORT

Seat-mounted console;
Touchscreen display;
Configurable buttons;
Hands-free calling kit;
Multiple storage areas;
Active suspension premium seat;
Rubber steering stops on frame articulation.

ENHANCED CONNECTIVITY

CASE dealer alerts, plus

recommendations and actions; Payload ticket reports available on SiteWatch™ portal;

Enhanced machine utilisation reporting;

Remote assistance via CASE SiteManager app.

TIRE PRESSURE MONITORING

Optimise tyre pressure, reduce wear and extend tyre life with the optional integrated tyre pressure monitoring system.

INTEGRATED WEIGH LOAD SCALE

Read and log every bucketload with the new weigh load scale. Optimise job reports with complete sets of data, then send them straight to your desk via the SiteWatchTM portal.

BEST-IN-CLASS VISIBILITY

Optimum visibility 24 hours a day with one-piece windshield design, high-efficiency lighting, and rear-view camera (standard); Follow-me-home LED lights with customisable lights-on duration.

BOOSTED EFFICIENCY

HI-eSCR2 for efficient combustion; 5-speed gearbox and converter lock-up (621G-921G);

Smart power mode for best engine power curve and transmission gear shifting threshold combination.



CLEANER, GREENER POWER.

SUSTAINABILITY CHANGES THE WORLD

CASE wheel loaders feature advanced in-house engine technology developed by our sister company FPT Industrial. Pioneering low-emission, high-efficiency solutions, FPT reliably





delivers high performance with low operating costs.





Turbocharged, multiple injection high pressure common rail engines:

4.5 litres on 521G;

6.7 litres on 621G-921G;

8.7 litres on 1021G-1121G. Waste gate (521G-921G) and variable geometry turbo (1021G-1121G) for optimum pressure stability. EU Stage V compliant with exclusive HI-eSCR2 after treatment system. EGR free, built for life and maintenance free. Compatible with HVO and XTL synthetic fuels (CTL, BTL, GTL) for sustainable options.

MAINTAIN TOP PERFORMANCE

AFTER SALES SERVICES

Keep your equipment performing at its best and protect your investment's value with the extensive offering of high-quality CASE Parts.

Genuine Parts
HIGH PERFORMANCE

Optimize your performance and add value to your machine with high-quality genuine parts.

Attachments BUSINESS SOLUTIONS

Add versatility to performance with CASE attachments designed for CASE machines and tested by CASE engineers.

FLEETPRO

Ensure your machine's performance beyond warranty and manage your budget with CASE's quality second-line range of parts.

Reman Parts
REMANUFACTURED

Choose sustainable quality with remanufactured parts designed for CASE equipment of all ages.

CASE® ServiceSolutions

Enjoy the peace of mind of knowing CASE Service Solutions will keep your equipment in top condition with maximum uptime, no unexpected costs, and help you optimize your profitability.



CASE CARE

Maximize your machine's uptime and efficiency with this planned maintenance program.



CASE PROTECT

Avoid unexpected costs with this extended warranty program.



CASE FLUID ANALYSIS

Ensure your machine's uptime with detailed fluid reporting.



CASE SITEWATCH

Boost your machine's profitability by tracking and managing your fleet's operating data.

CASE SITECONNECT

Connects your Dealer to yourmachine for remote support.



STANDARD AND OPTIONS

COMMON FEATURES - FULL RANGE	
PERATOR SALE OF THE PROPERTY O	
Cab air conditioning	
" full color touchscreen multifunction display	
djustable seat-mounted electro-hydraulic controls r.h. console	<u> </u>
hree configurable buttons (quick recall of favorite pages on display)	
lide control engagement speed setting (push-button on keypad)	
ngine throttle lock speed setting (push-button on keypad)	
Rear window defrosting grid	
ab pressurization from the 1st fan speed	
OPS (ISO EN13510) and FOPS (ISO EN3449) cab protection	
assword-protected ignition mode	•
toof-integrated microphone for hand-free calls (Bluetooth radio requested)	•
SB and AUX ports	•
lultiple storage compartments and cup holder	•
locuments holder	•
onvenience kit including:	
 Rear sunshade Tray under seatCOMPARTMENT 	
Additional 24V socket	0
2 nd internal rear-view mirror (left side)	
• Two coat hooks	
wo external rear-view mirror	
wo external heated rear-view mirror	0
tandard seat, heated, air-suspended with high backrest and headrest, cloth coated remium seat including:	
 Active air suspension Partial leather coating Wider seat cushion (+ 40 mm) High backrest with headrest Wide armrests Automatic weight adjustment Low frequency shock absorber Seat heating Horizontal shock absorber 	0
' High visibility 2-points seatbelt	•
adio ready (including wiring and speakers)	•
M/FM Radio with Bluetooth	0
lotating beacon	0
lear-view camera mage automatically displayed when reverse gear is engaged)	•
oystick, electro-hydraulic, 2 functions	•
oystick, electro-hydraulic, 3 functions (3 rd function controlled by one slider on joystick)	0
oystick, electro-hydraulic (4 functions, 3 rd & 4 th functions controlled by two sliders on joystick)	0
hree single axis levers, finger-tip type	0
utomatic return-to-dig function adjustable from push-button in the cab	•
utomatic boom height stop adjustable from push-button in the cab	•
utomatic return-to-travel function adjustable from push-button in the cab	•
tandard steering wheel	•
pystick steering (in addition to standard steering wheel)	0
bystick steering (in addition to standard steering wheel)	0
tegrated payload system with automatic tip-off function, data transmitted in real time to the Customer Portal vie SiteWatch™	
itegrated payload system with automatic tip-off function, data transmitted in real time to the Customer Portal vie SiteWatch™	0
tegrated payload system with automatic tip-off function, data transmitted in real time to the Customer Portal vie SiteWatch™ tegrated Tire Pressure Monitoring System	0
	0



DEEP DIVE INTO THE FULL SPECS

COMMON FEATURES - FULL RANGE	
OPERATOR COMPARTMENT	
LED working lights: 2 front + 2 rear	0
LED working lights: 4 front + 2 rear	0
LED working lights: 6 front + 4 rear	0
Halogen driving lights	•
LED driving lights	0
ROAD HOMOLOGATION (1121G EXCLUDED)	
Italian road homologation	0
German/Dutch road homologation (40km/h)	0
Italian road homologation for ag tires	0
German/Dutch road homologation (40km/h) ag tires	0
Swedish road homologation	0
CONNECTIVITY	
Advanced connectivity (Dealer dashboard, machine health parameter, maintenance & repair alerts, remote diagnosis)	•
3-Years SiteWatch™ Portal subscription (Fleet management, real-time payload reports, etc.)	•
MISCELLANEOUS	
Fire extinguisher	0
Empty toolbox	0
Retrieval hitch, mandatory as per EN474	•
Wheel chocks	0
Nide fenders w/lh-rh steps, Swedish homologation	0
Steps on both sides, with full fenders	0
License plate support	0
Side covers on rear chassis	0
Bottom cover (skid plate) on rear chassis	0
Front chassis guard	0
Counterweight, standard	•
Counterweight, heavy-duty	0
Waste handler guards' package, including: • Frame articulation covers • Front chassis cover • Transmission bottom guard • Front chassis bottom guard • Hydraulic cylinder guard • Front frame debris ejectors (boom cylinder's room) • Front driving lights protection grids • Rear driving lights protection grids • Fuel tank bottom guard Note: available on 621G, 651G, 721G, 821G, 921G	0
Front windshield protection grid	0
Automatic lubrication system	0
Engine compartment hood electrically openable (521G excluded)	•
External fluids drain ports (engine oil, engine coolant, hydraulic oil)	•
HYDRAULICS / STEERING	
Electrical secondary emergency steering	•
Load sensing variable displacement pump	•
3-Spool load sensing control valve	•
4th Hydraulic function	0
Loader arm suspension (ride control)	•
Quick coupler dedicated circuit	0

STANDARD AND OPTIONS - 521G - 621G

EATURES				G	621G		
			Z-BAR/XR	ХТ	Z-BAR/XR	ХТ	
ENGINE							
Engine FPT N45 Sta	ige V		•	•	-	-	
ngine FPT N67 Sta	ıge V		-	-	•	•	
xhaust gases after	-treatment Sel	ective Catalyst Reduction on Filter	•	•	•	•	
ngine working mod	des selection (Smart/Max)	•	•	•	•	
Air intake rain cap c	over (no pre-c	eaner)	•	•	•	•	
Air intake pre-clean	er		0	0	0	0	
Air intake pre-clean	er with dust eje	ector (Sy-Klone)	0	0	0	0	
Standard weather s	tart package		•	•	•	•	
Cold weather start p	oackage		0	0	0	0	
Standard weather p	ackage with bi	odegradable hydraulic oil	0	0	0	0	
		gradable hydraulic oil	0	0	0	0	
		ge (cooling cube) with variable speed reversable			•		
ydraulic-driven fan							
	cube, wider rad	iators cores with variable speed reversable hydraulic-driven fan	0	0	0	0	
Remote jump start			•	•	•	•	
RANSMISSION &							
		ic control 4-speed forward / 3-speed reverse					
Powershift Transmis converter lock-up a		ic control 5-speed forward / 3-speed reverse with torque	-	-	0	0	
ransmission contro			•		•		
		witch on hydraulic control lever	•				
ransmission speed			0	0	0	0	
		disengagement, automatically engaged at engine shut-off					
		ferential front and rear					
		differential lock and open rear differential	0	0	0	0	
Rear axle oscillation		anio oniai rook ana opon roa: anio oniai	0	0	0	0	
TRES	· iii iiii					Ŭ	
3 Radial XHA	17.5R25	Michelin	0	0	_	_	
3 Radial TB516	17.5R25	Triangle	0	0	····		
3 Radial VJT	17.5R25	Bridgestone					
.3 Radial TB516	20.5R25	Triangle	0	0	0	0	
3 Radial XHA2	20.5R25	Michelin	0	0	0	0	
			0				
3 Radial VJT	20.5R25	Bridgestone	***************************************	0			
2 Radial VSW	20.5R25	Bridgestone	0	0	0	0	
5 Radial XLD-D2	17.5R25	Michelin	0	0	-	-	
AG Radial 370	620/70R26	Alliance	0	0	0	0	
.5 Radial XLD-D2	20.5R25	Michelin	-	-	0	0	
5 Radial TB538+	20.5R25	Triangle	-	-	0	0	
OADER LINKAGE		INIS					
Standard Z-Bar link				-			
R - Extended reac			0	<u>-</u>	0	<u>-</u>	
T - Parallel linkage			-				
ucket, pin-on, 2.1			<u> </u>	-	-	-	
		er, 1.8 m³, 2490 mm wide	0	0	<u>-</u>	- 	
ydraulic quick cou			0	0	0	0	
ork with hydraulic			0	0	0	-	
lucket, pin-on, 2.3			-	.	0	0	
ucket, with hydrau	lic quick coup	er, 2.1 m³, 2490 mm wide	<u>-</u>	-	0	0	
ucket teeth			0	0	0	0	
olt-on reversible c	utting edge		0	0	0	0	
eeth + bolt-on cutt		nents	0	0	0	0	
	L = 2490 mm		0	0	0	0	

STANDARD AND OPTIONS - 651G - 721G

FEATURES	651	G	721G			
			Z-BAR/XR	XT	Z-BAR/XR	ХТ
ENGINE						
Engine FPT N67 Stage V	<i>'</i>			•	•	•
Exhaust gases after-trea	atment Selective Catalyst Reduction o	n Filter	•	•	•	•
Engine working modes s	selection (Smart/Max)		•	•	•	•
Air intake rain cap cover	(no pre-cleaner)		•	•	•	•
Air intake pre-cleaner			0	0	0	0
Air intake pre-cleaner w	ith dust ejector (Sy-Klone)		0	0	0	0
Standard weather start p	oackage		•	•	•	•
Cold weather start pack	age		0	0	0	0
Standard weather packa	age with biodegradable hydraulic oil		0	0	0	0
Cold weather package v	vith biodegradable hydraulic oil		0	0	0	0
	ors package (cooling cube) with variat	ole speed reversable	_	•		
nydraulic-driven fan						
	, wider radiators cores with variable spe	eed reversable nydraulic-driven fan	0	0	0	0
Remote jump start			•	_	•	
TRANSMISSION & AXL						
	n, automatic control 4-speed forward		·····			
	n, automatic control 5-speed forward / roportional clutch cut-off	o-speed reverse with torque	Ö	0	0	0
Transmission control lev			•	•	•	•
	se rocker switch on hydraulic control le	ever	•			
Fransmission speed limi			0	0	0	0
	electrically disengagement, automatic	ally engaged at engine shut-off		•		
	mited slip differential front and rear	, cgagea at ongine onat off				
	ont differential lock and open rear diff	ferential		0	0	0
	ont differential lock and rear LSD	erentia	0	0	0	0
TIRES	ont differential lock and fear LSD		0			
L3 Radial XHA2	20 EB25 (standard width)	Michelin	0	0	0	0
	20.5R25 (standard width)					0
_3 Radial XHA2	20.5R25 (narrow width, Italy only)	Michelin	-	·····	0	0
_3 Radial VJT	20.5R25 (standard width)	Bridgestone				
_3 Radial VJT	20.5R25 (narrow width, Italy only)	Bridgestone	-	-	0	0
_3 Radial TB516	20.5R25 (standard width)	Triangle	0	0	0	0
_3 Radial TB516	20.5R25 (narrow width, Italy only)	Triangle	-		0	0
_5 Radial X-MINE D2	20.5R25 (standard width)	Michelin	0	0	0	0
_5 Radial X-MINE D2	20.5R25 (narrow width, Italy only)	Michelin			0	0
L5 Radial XLD D2	20.5R25 (standard width)	Michelin	0	0	0	0
L5 Radial XLD D2	20.5R25 (narrow width, Italy only)	Michelin	-	-	0	0
L5 Radial TB538S+	20.5R25 (standard width)	Triangle	0	0	0	0
_5 Radial TB538S+	20.5R25 (narrow width, Italy only)	Triangle	-	_	0	0
L2 Radial VSW	20.5R25 (narrow width)	Bridgestone	0	0	0	0
AG Radial 370	620/70R26	Alliance	0	0	0	0
AG Radial 344	750/55R26.5	Alliance	-	-	0	0
AG Radial MEGAXBIB	750/65R26	Michelin	-	-	0	0
SOLID - S2C2	20.5R25	SG Revol.	-	-	0	0
LOADER LINKAGE & A	TTACHMENTS					
Standard Z-Bar linkage			•	-	•	-
KR - Extended reach link	kage		-	-	0	-
KT - Parallel linkage			-	•	-	•
Bucket, pin-on, 2.3 m³, 2	2490 mm wide		0	-	-	-
	curved side edges (rehandling, Z-Bar o	only)	0	-	-	-
	uick coupler, 2.1 m ³ , 2490 mm wide		0	0	-	-
Bucket, pin-on, 2.7 m ³ , 2			- -	-	0	0
Bucket, pin-on, 2.5 m ³ , 2					0	0
	straight side edges (G.P., Z-Bar only)		-		0	0
	curved side edges (cehandling, Z-Bar of	only)			0	0
	uick coupler, 2.7 m³, 2690 mm wide	orny,	-	-		
			-	-	0	0
	uick coupler, 2.5 m³, 2474 mm wide		-	-	0	0
Hydraulic quick coupler			<u> </u>	0	<u> </u>	0
Fork with hydraulic quic	k coupler		0	0	0	0
Bucket teeth			0	0	0	0
Bolt-on reversible cuttin			0	0	0	0
Teeth + bolt-on cutting e	edge segments		0	0	0	0
	190 mm		0	0	0	0

STANDARD AND OPTIONS - 821G - 921G

FEATURES			821G	921G
			Z-BAR/XR	Z-BAR/XR
ENGINE				
Engine FPT N67 Stage	V		•	•
Exhaust gases after-tre	atment Selective	Catalyst Reduction on Filter	•	•
Engine working modes	selection (Smart/	Max)	•	•
Air intake rain cap cove	r (no pre-cleaner)		•	•
Air intake pre-cleaner			0	0
Air intake pre-cleaner w	vith dust ejector (S	Sy-Klone)	0	0
Standard weather start	package		•	•
Cold weather start pacl	kage		0	0
Standard weather pack	age with biodegra	adable hydraulic oil	0	0
Cold weather package	with biodegradab	le hydraulic oil	0	0
		ling cube) with variable speed reversable hydraulic-driven fan	•	•
Heavy duty cooling cub	oe, wider radiators	cores with variable speed reversable hydraulic-driven fan	0	0
Remote jump start			•	•
TRANSMISSION & AX	LES			
		rol 4-speed forward / 3-speed reverse	•	
		rol 5-speed forward / 3-speed reverse with torque converter lock-up	~	
and proportional clutch	cut-off		0	0
Transmission control le	ver on steering co	lumn		•
Forward-Neutral-Rever	se rocker switch o	on hydraulic control lever		•
Transmission speed lim	niter 20 km/h		0	0
Passive parking brake,	electrically diseng	pagement, automatically engaged at engine shut-off	•	•
Heavy duty axles with I	imited slip differer	ntial front and rear	•	•
Heavy duty axles with f	ront differential lo	ck and open rear differential	0	0
Heavy duty axles with f	ront differential lo	ck and rear LSD	0	0
TIRES				
L3 Radial XHA2	23.5R25	Michelin	0	0
L3 Radial VJT	23.5R25	Bridgestone	•	•
L3 Radial TB516	23.5R25	Triangle	0	0
L5 Radial X-MINE D2	23.5R25	Michelin	0	0
L5 Radial XLD D2	23.5R25	Michelin	0	0
L5 Radial TB538S	23.5R25	Triangle	0	0
L2 Radial VSW	23.5R25	Bridgestone	0	0
AG Radial 370	620/70R26	Alliance	0	0
AG Radial 344	750/55R26.5	Alliance		0
AG Radial CEREXBIB	710/65R30	Michelin		0
SOLID - S2C2	23.5R25	SG Revolution		0
LOADER LINKAGE & A		Sa nevolution	-	
Standard Z-Bar linkage				
XR - Extended reach lin			0	0
Bucket, pin-on, 3.4 m ³ ,		a (sebandling 7 Day and)	0	-
		s (rehandling, Z-Bar only)	0	-
Bucket, with hydraulic of			0	0
		s (rehandling, Z-Bar only)	-	0
Hydraulic quick coupler			0	0
Fork with hydraulic quid	ck coupler		0	0
Bucket teeth			0	0
Bolt-on reversible cuttir			0	0
Teeth + bolt-on cutting	edge segments		0	0
Bucket teeth guard L=2	2490 mm		0	0

STANDARD AND OPTIONS - 1021G - 1121G

FEATURES			1021G	1121G
			Z-BAR/XR	Z-BAR/XR
ENGINE				
Engine FPT Cursor 9 \$	Stage V		•	•
Exhaust gases after-ti	reatment Selective	Catalyst Reduction on Filter	•	•
Engine working mode	s selection (Smart/	Max)	•	•
Air intake rain cap cov	er (no pre-cleaner)		•	•
Air intake pre-cleaner			0	0
Air intake pre-cleaner	with dust ejector (S	Sy-Klone)	0	0
Standard weather sta	rt package		•	•
Cold weather start pa	ckage		0	0
Standard weather pac	kage with biodegra	adable hydraulic oil	0	0
Cold weather package	e with biodegradab	le hydraulic oil	0	0
Exclusive cooling radi	ators package (coo	ling cube) with variable speed reversable hydraulic-driven fan	•	•
Heavy duty cooling cu	ıbe, wider radiators	cores with variable speed reversable hydraulic-driven fan	0	0
Remote jump start			•	•
TRANSMISSION & A	XLES			
Powershift Transmissi	ion, automatic cont	rol 4-speed forward / 3-speed reverse	•	•
Transmission control I	ever on steering co	lumn	•	•
Forward-Neutral-Reve	erse rocker switch o	on hydraulic control lever	•	•
Transmission speed li	miter 20 km/h		0	0
Passive parking brake	e, electrically diseng	gagement, automatically engaged at engine shut-off	•	•
Heavy duty axles with	front differential lo	ck and open rear differential	•	•
Heavy duty axles with	front differential lo	ck, open rear differential and axle oil cooler	0	0
TIRES				
L3 Radial XHA2	26.5R25	Michelin	0	0
L3 Radial VJT	26.5R25	Bridgestone	•	•
L3 Radial TB516	26.5R25	Triangle	0	0
L5 Radial X-MINE	D2 26.5R25	Michelin	0	0
L5 Radial XLD D2	26.5R25	Michelin	0	0
L5 Radial TB538S	26.5R25	Triangle	0	0
LOADER LINKAGE &	ATTACHMENTS			
Standard Z-Bar linkag	е		•	•
XR - Extended reach I	inkage		0	0
Bucket, pin-on, 4.4 m	³ , 3000 mm wide		0	-
Bucket, pin-on, 5.0 m	³ , 3150 mm wide		-	0

SPEC SHEET 521G - 921G

SPECIFICATIONS		521G	621G	651G	721G	821G	921G
ENGINE							
Maker & Model		FTP N45	FTP N67	FTP N67	FPT N67	FPT N67	FPT N67
No. of cylinders		4	6	6	6	6	6
Displacement	I	4.5	6.7	6.7	6.7	6.7	6.7
Air intake:				with air-to-air or or combustion			
Injection			C	Common Rail M	lultiple Injectio	n.	
After Treatment System				HI-eSCR 2 (I	OOC+SCRoF)		
Emissions Level				Compliant wi	th EU Stage V		
Maximum power (Peak Gross/Peak Net)	kW	106/99	128/121	128/121	145	172	190
Maximum power (Peak Gross/Peak net)	hp	142/133	172/162	172/162	195	230	255
@ Engine speed (ISO 14396)	rpm	1800	1800	1800	2000	1800	1600
Maximum Torque (Gross/Net)	Nm	612/586	730/692	730/692	950	1184	1300
@ Engine speed (ISO 14396)	rpm	1600	1600	1600	1300	1300	1300
TRANSMISSION							
ProShift: 5-speed powershift with lock up (optional). Intelligent Clutch Cut Off (ICCO) with Power Inch: Pro				nverter losses	from second	gear up to fift	h gear.
Forward 1	km/h	-	7	7	7	7	6
Forward 2	km/h	-	13	13	13	11	11
Forward 3	km/h	-	20	20	19	17	17
Forward 4	km/h	-	31	31	30	26	26
Forward 5	km/h	-	45	45	40	40	40
Reverse 1	km/h	-	7	7	8	7	7
Reverse 2	km/h	-	14	14	14	12	12
Reverse 3	km/h	-	32	32	31	28	28
4-speed ZF Powershift with Intelligent Clutch Cut Off	(ICCO)						***************************************
Forward 1	km/h	6	7	7	8	7	7
Forward 2	km/h	11	13	13	13	12	12
Forward 3	km/h	22	24	24	25	23	23
Forward 4	km/h	36	39	39	37	37	36
Reverse 1	km/h	6	7	7	8	7	7
Reverse 2	km/h	12	14	14	13	13	13
Reverse 3	km/h	23	25	25	26	25	25
AXLES (available options)							
Heavy Duty ZF Axles with Limited Slip Differential on both front and rear axle		n.a.	yes	yes	yes	yes	n.a.
Heavy Duty ZF Axles with automatic 100% differential lock on front and open		yes	yes	yes	yes	yes	yes
Heavy Duty ZF Axles with automatic 100% differential lock on front and LSD on rear axle		n.a.	yes	yes	yes	yes	n.a.
Standard ZF Axles with Limited Slip Differential on both front and rear axle		yes	yes	n.a.	n.a.	n.a.	n.a.
Axles oscillation angle (total)	0	24	24	24	24	24	24
TIRES							
Standard tire's size		17.5R25	20.5R25	20.5R25	20.5R25	23.5R25	23.5R25

SPECIFICATIONS		521G	621G	651 G	721G	821G	921 G
BRAKES							
Service brake		1	Maintenance fr	ee, self-adjus	ting wet 4-whe	eel disc brakes	
Service brake disc area	m²/hub	0.31	0.39	0.39	0.39	0.39	0.47
Parking brake		With the neg	ative brake all	four wheels ar is sto		y stopped whe	en the engir
Parking brake disc area	cm ²	58	58	58	82	82	82
HYDRAULICS							
Loader control valve			Bosch-Rexroth	n, closed cente	er, load sensin	g/flow sharing.	
Steering		Steering cyli		d by hydraulic tu by active load	rn,	priority valve, o	controlled,
Loader controls				oportional sol ulic single joys		ontrolled by axis 2/3 levers.	
Pump type		;	Single, variable	e displacemen	t	Tandem, displac	
Max oil flow	l/min	134	169	190	206	236	278
@ engine speed	rpm	2000	2000	2000	2000	2000	2000
AUXILIARY HYDRAULICS							
Max oil flow	l/min	134	169	188	206	236	278
Max pressure	bar	249-255	249-255	249-255	249-255	249-255	249-255
FLUIDS CAPACITIES							
Fuel tank	I	189	248	248	246	288	288
DEF (AdBlue®) tank	1	41.3	41.3	41.3	41.3	41.3	41.3
Engine coolant	1	22	27	27	28	30	30
Engine oil	1	12	13	13	13	13	13
Hydraulic oil tank	1	57	91	91	91	91	91
Total hydraulic system oil	1	114	148	148	180	180	200
Front and rear axles	1	22+22	22+22	22+22	35+35	40+40	42+40
Transmission oil	I	19	27	27	34	34	34
CAB PROTECTION							
Protection against falling objects (FOPS)			А	ccording to IS	O EN 3449 sto	d.	
Protection against roll-over (ROPS)			А	ccording to IS	O EN 13510 st	d.	
NOISE AND VIBRATIONS							
Inside the cab - LpA (ISO 6396-2008)	dB	68	68	68	68	68	69
Outside - LwA (2000/14/EC)	dB	102	104	104	103	104	104
Vibrations				seat meets the ons transmitte			
ELECTRICAL SYSTEM							
System voltage	V	24	24	24	24	24	24
Batteries	n° x V	2 x 12	2 x 12	2 x 12	2 x 12	2 x 12	2 x 12
Alternator - capacity	Α	70	120	120	120	120	120

SPEC SHEET 1021G - 1121G

SPECIFICATIONS		1021G	1121G
ENGINE			
Maker & Model:		FTP Cursor 9	FTP Cursor 9
No. of cylinders:	***************************************	6	6
Displacement	I	8.7	8.7
Air intake:	Tur		EGR valve is used: Only fresh air is taken ra cooling system is needed.
Injection		Common Rail I	Multiple Injection.
After Treatment System		HI-eSCR 2	(DOC+SCRoF)
Emissions Level		Compliant w	rith EU Stage V
Maximum power	kW	239	250
Maximum power	hp	320	347
@ Engine speed (ISO 14396)	rpm	1800	1800
Maximum Torque	Nm	1479	1604
@ Engine speed (ISO 14396)	rpm	1100	1100
TRANSMISSION			
4-speed ZF Powershift with Intelligent Cl	utch Cut Off (ICCO)		
Forward 1	km/h	7	7
Forward 2	km/h	13	12
 Forward 3 	km/h	19	18
Forward 4	km/h	38	38
Reverse 1	km/h	7	7
Reverse 2	km/h	13	13
Reverse 3	km/h	27	25
AXLES			
Rear axle oscillation		:	24°
Heavy Duty ZF Axles	wi		00% lock system on the front differential. s, no wheel slip, less tire wear.
TIRES			
Standard tire's size		26.5R25	26.5R25
BRAKES			
Service brake		Maintenance free, self-adju	sting wet 4-wheel disc brakes.
Service brake disc area	m²/hub	0.74	0.74
Parking brake			wheels are automatically stopped gine is stopped.
Parking brake disc area	cm ²	82	82

SPECIFICATIONS		1021G	1121G				
HYDRAULICS							
Loader control valve:	Bosch-Rexroth, closed center, load sensing/flow sharing. 3 spool main control valve.						
Steering	Ste	ering cylinders actuated by hydraulic in turn, by active lo	c orbitrol under priority valve, controlled, pad sensing signal.				
Loader controls			lves controlled by electro-hydraulic ngle-axis 2/3 levers.				
Pump type		Tandem, variab	le displacement				
Max oil flow	l/min	348	376				
@ engine speed	rpm	2000	2000				
AUXILIARY HYDRAULICS							
Max oil flow	l/min	240	240				
Max pressure	bar	249-255	249-255				
FLUIDS CAPACITIES							
Fuel tank	I	459	288				
DEF (AdBlue®) tank	I	65	65				
Engine coolant	I	57	57				
Engine oil	1	26	26				
Hydraulic oil tank	1	134	134				
Total hydraulic system oil	I	250	250				
Front and rear axles	I	68+68	68+68				
Transmission oil	1	45	45				
CAB PROTECTION							
Protection against falling objects (FOPS)		According to IS	SO EN 3449 std.				
Protection against roll-over (ROPS)		According to IS	O EN 13510 std.				
NOISE AND VIBRATIONS							
Inside the cab - LpA (ISO 6396-2008)	dB	68	69				
Outside - LwA (2000/14/EC)	dB	105	104				
Vibrations			criteria of ISO 7096:2000. d do not exceed 0.5 m/s²				
ELECTRICAL SYSTEM							
System voltage	V	24	24				
Batteries	n° x V	2 x 12	2 x 12				
Alternator - capacity	Α	120	120				

LOADER SPECIFICATIONS

521G





DATA WITH FACTORY-FITTED BUCKETS			G.P. P	IN-ON		G.P QUICK COUPLER			
		Z-Bar		XR		Z-Bar		Х	R
Bucket accessory		B.O.E.	Teeth	B.O.E.	Teeth	B.O.E.	Teeth	B.O.E.	Teeth
Machine operating weight (w/17.5R25 L3 tires)	kg	11098	11045	11192	11138	11303	11250	11431	11377
Bucket Rated Capacity:	m^3	2.1	2	1.9	1.8	1.8	1.7	1.8	1.7
Bucket Capacity at 110% Fill Factor	m^3	2.3	2.2	2.1	2	2	1.9	2	1.9
Bucket overall width	mm	2497	2540	2497	2540	2497	2540	2497	2540
Bucket weight	kg	847	794	813	759	1052	998	1052	998
Tipping load, straight	kg	8758	8827	7560	7627	8418	8570	7184	7314
Tipping load, full turn	kg	7673	7743	6601	6668	7354	7496	6246	6367
Maximum payload	kg	3837	3871	3301	3334	3677	3748	3123	3183
Maximum material density	kg/m³	1827	1955	1756	1873	2104	2256	1787	1917
Bucket break-out force	daN	7455	8183	7976	8797	7155	7518	6883	7515

621G





DATA WITH FACTORY-FITTED BUCKETS		G.P. PIN-ON				G.P QUICK COUPLER				
		Z-Bar		XR		Z-Bar		X	(R	
Bucket accessory		B.O.E.	Teeth	B.O.E.	Teeth	B.O.E.	Teeth	B.O.E.	Teeth	
Machine operating weight (w/L3 tires)	kg	12878	12824	13059	13006	13330	13277	13512	13548	
Bucket Rated Capacity:	m^3	2.3	2.2	2.3	2.2	2	1.9	2	1.9	
Bucket Capacity at 110% Fill Factor	m^3	2.5	2.4	2.5	2.4	2.2	2.1	2.2	2.1	
Bucket overall width	mm	2497	2540	2497	2540	2497	2540	2497	2540	
Bucket weight	kg	924	871	924	871	1377	1323	1377	1323	
Tipping load, straight	kg	10662	10740	8957	9026	10134	10296	8464	8598	
Tipping load, full turn	kg	9248	9319	7729	7798	8737	8886	7249	7372	
Maximum payload	kg	4724	4659	3960	4003	4369	4443	3624	3686	
Maximum material density	kg/m³	2011	2109	1681	1765	2148	2297	1782	1906	
Bucket break-out force	daN	9907	10765	11672	12427	9268	9982	9295	10007	

651G







DATA WITH FACTORY-FITTED BUCKETS		G.P. PIN-ON					G.P QUICK COUPLER				
		Z-I	3ar	XR		Z-Bar		XR		Z-Bar	
Bucket accessory		B.O.E.	Teeth	B.O.E.	Teeth	B.O.E.	Teeth	B.O.E.	Teeth	B.O.E.	
Machine operating weight (w/L3 tires)	kg	14062	14009	14244	14190	14515	14461	14696	14643	14225	
Bucket Rated Capacity:	m^3	2.3	2.2	2.3	2.2	2	1.9	2	1.9	2.6	
Bucket Capacity at 110% Fill Factor	m^3	2.5	2.4	2.5	2.4	2.2	2	2.2	2	2.9	
Bucket overall width	mm	2497	2540	2497	2540	2497	2540	2497	2540	2540	
Bucket weight	kg	924	871	924	871	1377	1323	1377	1323	1087	
Tipping load, straight	kg	11943	12014	10171	10140	11400	11573	9568	9710	11722	
Tipping load, full turn	kg	10340	10411	8680	8748	9816	9974	8189	320	10128	
Maximum payload	kg	5170	5205	4340	4374	4908	4987	4095	4160	5064	
Maximum material density	kg/m³	2248	2356	1887	1980	2414	2579	1832	1958	1948	
Bucket break-out force	daN	9909	10766	10188	11066	9265	9978	9290		9217	

All units equipped with std.* L3 Radial Tires (Unless Noted), ROPS cab with Heater and A/C, Heavy Counterweight, Front and Rear Fenders, Full Fuel and DEF tanks, 75 kg operator. Specifications per ISO 14397, ISO 5998 AND ISO 7546.

^{*} STD Tires size per model: 521G: 17.5R25 | 621G-651G-721G: 20.5R25 | 821G-921G: 23.5R25 | 1021G-1121G: 26.5R25

721G Table 1/2



DATA WITH FACTORY-FITTED BUCKETS	G.P. PIN-ON									
		Z-Bar		Z-Bar		XR		Х	R	
Bucket accessory		B.O.E.	Teeth	B.O.E.	Teeth	B.O.E.	Teeth	B.O.E.	Teeth	
Machine operating weight (w/L3 tires)	kg	15642	15623	15831	15777	15779	15757	15845	15826	
Bucket Rated Capacity:	m³	2.7	2.6	3	2.9	2.5	2.4	2.7	2.6	
Bucket Capacity at 110% Fill Factor	m³	3	2.9	3.3	3.2	2.7	2.6	3	2.9	
Bucket overall width	mm	2712	2726	2740	2740	2494	2510	2712	2726	
Bucket weight	kg	1221	1202	1410	1356	1155	1134	1221	1202	
Tipping load, straight	kg	13686	13711	12923	12993	11612	11640	11542	11566	
Tipping load, full turn	kg	11467	11492	10802	10872	8897	9784	9651	9675	
Maximum payload	kg	5734	5746	5401	5436	4860	4874	4825	4837	
Maximum material density	kg/m³	2093	2185	1802	1824	1929	2040	1761	1840	
Bucket break-out force	daN	14321	15409	11671	10699	14315	15406	142772	15370	

721G Table 2/2





DATA WITH FACTORY-FITTED BUCKETS		G.P. QUICK	G.P. QUICK COUPLER					
		Z-	Bar	X	Z-Bar			
Bucket accessory		B.O.E.	Teeth	B.O.E.	Teeth	B.O.E.		
Machine operating weight (w/L3 tires)	kg	16166	16147	15779	15757	15845		
Bucket Rated Capacity:	m³	2.7	2.6	2.5	2.4	3.2		
Bucket Capacity at 110% Fill Factor	m³	3	2.8	2.7	2.6	3.5		
Bucket overall width	mm	2712	2726	2494	2510	2740		
Bucket weight	kg	1745	1726	1155	1134	1424		
Tipping load, straight	kg	12003	12134	11612	11640	12867		
Tipping load, full turn	kg	9988	10099	9721	9748	10752		
Maximum payload	kg	4994	5049	4860	4874	5376		
Maximum material density	kg/m³	1845	1937	1929	2040	1679		
Bucket break-out force	daN	11889	11900	14315	15405	11669		

521G-621G-651G-721G



DATA WITH FACTORY-FITTED BUCKETS	521G			62	1G	65	1G	721G	
		хт		ХТ		ХТ		Х	Т
Bucket accessory		B.O.E.	Teeth	B.O.E.	Teeth	B.O.E.	Teeth	B.O.E.	Teeth
Machine operating weight (w/L3 tires)	kg	11564	11511	13376	13323	14446	14393	15911	15892
Bucket Rated Capacity:	m³	1.8	1.7	2	1.9	2	1.9	2.7	2.6
Bucket Capacity at 110% Fill Factor	m^3	2	1.9	2.2	2.1	2.2	2.1	3	2.8
Bucket overall width	mm	2497	2540	2497	2540	2497	2540	2712	2726
Bucket weight	kg	1050	902	1256	1202	1256	1202	1682	1663
Tipping load, straight	kg	7161	7295	8826	8968	9740	9889	10446	10556
Tipping load, full turn	kg	6235	6360	7613	7744	8467	8606	8679	8774
Maximum payload	kg	3118	3180	3806	3872	4234	4303	4340	4387
Maximum material density	kg/m³	1784	1914	1875	2000	2086	2222	1602	1684
Bucket break-out force	daN	7899	8540	10242	10944	10242	10945	11718	12464

LOADER SPECIFICATIONS

821G







DIMENSION - Data with factory-fitted buckets		G.P. PIN-ON					G.P. QUICK COUPLER				
		Z-I	Bar	XR		Z-Bar		XR		Z-Bar	
Bucket accessory		B.O.E.	Teeth	B.O.E.	Teeth	B.O.E.	Teeth	B.O.E.	Teeth	B.O.E.	
Machine operating weight (w/L3 tires)	kg	18329	18311	18556	18549	19397	19380	19665	19647	18411	
Bucket Rated Capacity:	m^3	3.4	3.2	3.2	3	3.2	3.1	3.2	3.1	3.6	
Bucket Capacity at 110% Fill Factor	m^3	3.7	3.5	3.5	3.3	3.5	3.4	3.5	3.4	3.9	
Bucket overall width	mm	2946	2983	2946	2983	2983	2983	2946	2983	2990	
Bucket weight	kg	1568	1551	1539	1521	2638	2620	2638	2620	1650	
Tipping load, straight	kg	14880	14904	11941	11964	13162	13229	10420	10472	14914	
Tipping load, full turn	kg	12472	12495	9944	10016	10886	10945	8561	8608	12481	
Maximum payload	kg	6236	6248	4997	5008	5443	5472	4281	4304	6240	
Maximum material density	kg/m³	1873	1947	1567	1626	1710	1745	1345	1372	1719	
Bucket break-out force	daN	14752	15722	15395	16411	12563	13282	12797	13526	14784	

921G







DIMENSION - Data with factory-fitted buckets		G.P. PIN-ON					G.P. QUICK COUPLER				
		Z -l	Bar	XR		Z-Bar		XR		Z-Bar	
Bucket accessory		B.O.E.	Teeth	B.O.E.	Teeth	B.O.E.	Teeth	B.O.E.	Teeth	B.O.E.	
Machine operating weight (w/L3 tires)	kg	20425	20407	20689	20671	21291	21274	21555	21537	20501	
Bucket Rated Capacity:	m³	4	3.8	4	3.8	3.2	3.1	3.2	3.1	4.2	
Bucket Capacity at 110% Fill Factor	m^3	4.4	4.2	4.4	4.2	3.5	3.4	3.5	3.4	4.6	
Bucket overall width	mm	2946	2946	2946	2983	2946	2983	2946	2983	3190	
Bucket weight	kg	1772	1754	1772	1754	2638	2620	2638	2620	1847	
Tipping load, straight	kg	17720	17395	13774	13900	15372	15446	12248	12306	16605	
Tipping load, full turn	kg	14277	14426	11387	11495	12618	12682	9993	10043	13749	
Maximum payload	kg	7139	7213	5694	5748	6309	6341	4996	5022	6875	
Maximum material density	kg/m³	1798	1888	1434	1505	1982	2022	1569	1601	1638	
Bucket break-out force	daN	17386	18548	17682	18859	14774	15617	15049	15904	15631	

1021G - 1121G



DIMENSION - Data with factory-fitted buckets			1021G G.	P. PIN-ON	1121G G.P. PIN-ON				
		Z-Bar		XR		Z-Bar		Х	R
Bucket accessory		B.O.E.	Teeth	B.O.E.	Teeth	B.O.E.	Teeth	B.O.E.	Teeth
Machine operating weight (w/L3 tires)	kg	25271	25244	26631	26629	28171	28132	28777	28776
Bucket Rated Capacity:	m³	4.4	4.2	4.4	4.2	5	4.8	4.8	4.6
Bucket Capacity at 110% Fill Factor	m^3	4.8	4.6	4.8	4.6	5.5	5.3	5.3	5
Bucket overall width	mm	3021	3048	3195	3223	3171	3198	3195	3223
Bucket weight	kg	2317	2289	2121	2119	2448	2410	2241	2240
Tipping load, straight	kg	21675	21675	17856	17971	23355	23591	20126	20254
Tipping load, full turn	kg	17541	16157	14703	14794	18886	19087	16568	16670
Maximum payload	kg	8770	8859	7352	7397	9443	9544	8284	8335
Maximum material density	kg/m³	1994	2095	1749	1826	1889	1976	1734	1787
Bucket break-out force	daN	18707	20331	20243	21669	21902	22318	22430	23880

All units equipped with std.* L3 Radial Tires (Unless Noted), ROPS cab with Heater and A/C, Heavy Counterweight, Front and Rear Fenders, Full Fuel and DEF tanks, 75 kg operator. Specifications per ISO 14397, ISO 5998 AND ISO 7546.

^{*} STD Tires size per model: 521G: 17.5R25 | 621G-651G-721G: 20.5R25 | 821G-921G: 23.5R25 | 1021G-1121G: 26.5R25





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