

# Compact Wheel Loaders

## F-SERIES EVOLUTION

21F | 121F | 221F | 321F



**CASE**  
CONSTRUCTION







A CASE 221F skid steer loader is shown from the side, working on a dirt path. The machine is orange and black, with the model number '221F' visible on the side. It is moving a pile of dark, clumpy soil. The background consists of a grassy field and a line of trees under a bright sky.

# DELIVER, ADAPT, EVOLVE.

## INTRODUCING THE EVOLUTION SERIES

The Evolution series combines CASE's usual lifting and loading performance with brand new electro-hydraulic "smart features", enhancing the on-board experience and ensuring the best settings for every task, no matter how challenging.



# FEATURES DESIGNED FOR YOU.

## SMART SETTINGS AT YOUR FINGERTIPS

With a brand-new colour display, operated with an encoder and the new membrane keypad, all machine parameters and electro-hydraulic settings are visible at a glance and at your fingertips, allowing for intuitive, user-friendly customisation to the operator's preferences.

Eco mode for reduced fuel consumption and noise during travel and load/unload operations.

40 km/h high-speed versions and standard spring applied hydraulically released parking brake on 221F and 321F models.

Superior dump height, with XR version available on 321F model.

New P&CM modem allowing for integration into the most advanced fleet management systems .

Smart features for easy, effortless operation in all jobs and applications.

Return-to-dig, return-to-travel and return-to-height memory settings for a smooth and effortless operation.

Cruise control for constant speed during on-road travel, limited speed on the jobsite and constant creep speed setting.







DISCOVER ALL  
THE FEATURES





# JOIN THE JOBSITE EVOLUTION.

## THE EVOLUTION SERIES' SIX STEPS FOR SUCCESS

1

### SUSTAINABILITY AT THE CORE

3.4 litre FPT Stage V engine  
DOC, EGR & DPF after treatment  
High pressure common  
rail injection  
Electronically controlled  
waste gate valve  
HVO diesel & XTL synthetic  
fuel compatibility

2

### EASE OF OPERATION

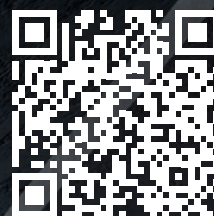
ROPS/FOPS level 2 cab also  
available in deluxe version  
Low cab profile for easy transport  
Large colour display operated  
via encoder  
Membrane keypad for quick  
and intuitive machine settings

3

### POWERFUL DRIVELINE

Hydrostatic 4-wheel drive  
SAHR parking brake on 221F and 321F  
Inch & brake pedal  
High-speed 40 km/h version  
available on 221F and 321F  
Creep speed and cruise control  
can be combined  
Oscillating rear axle for outstanding  
stability on uneven ground





WATCH THE FULL  
WALKAROUND



## 4 **VERSATILE HYDRAULICS**

Standard- or high-flow  
auxiliary circuits

Electro-hydraulic  
“smart features”

New Eco mode

Smooth operation

Highly customisable settings

Combined movements and  
bucket shake features

## 5 **CONSTANT CONNECTION**

New P&CM modem as standard

More opportunities to integrate  
CASE compact wheel loaders  
into your fleet management  
system

CASE exclusive Site Manager  
and Sitewatch

## 6 **MAXIMIZED UPTIME**

Easy access to all service points

Excellent component layout for  
quick and precise intervention  
when required







# CLEANER, GREENER POWER.

## SUSTAINABILITY CHANGES THE WORLD

CASE compact wheel loaders feature advanced in-house engine technology developed by our sister company, FPT Industrial. Pioneering low-emission, high-efficiency solutions, FPT brings you the competitive advantage of powertrain technologies, reliably delivering high performance with low operating costs.



3.4 litre 4-cylinder turbocharged multiple injection high pressure common rail engine.



Wastegate for optimum turbo pressure stability.



EU Stage V compliant with EGR Valve, DOC & DPF.



Compatible with HVO and all other XTL synthetic fuels (CTL, BTL, GTL) for flexible, sustainable fuel solutions.

	21F	121F	221F	321F
Engine Brand	FPT	FPT	FPT	FPT
Engine Type	F5HFL463B	F5HFL463C	F5HFL463A	F5HFL463A
Engine Power (hp/kw)	58 / 43	64 / 48	74 / 55	74 / 55
Emission Level	Stage V	Stage V	Stage V	Stage V
No. Of Cylinders	4	4	4	4
Displacement (lt)	3.4	3.4	3.4	3.4
Torque (Nm)	245	261	316	316



# BE PRODUCTIVE IN COMFORT.

## ENHANCING YOUR ONBOARD EXPERIENCE

The operator's comfort and safety are top priorities for CASE – that's why all its compact wheel loaders are equipped with a spacious ROPS/FOPS level 2 certified cab, letting you get on with the job at hand untroubled.

### CAB PROFILE

The low cab profile allows for quick and easy access to the operator's compartment as well as the machine's easy transportation on a truck.

### COLOR DISPLAY

The brand-new encoder-operated colour display, all-in-one joystick and membrane keypad hosting all the main buttons ensure all the settings are at your fingertips for easy, intuitive use of all functionalities.

### DE LUXE CAB

If you fancy a little extra-comfort, the deluxe cab option includes additional storage compartments, an adjustable wrist rest, full vertical adjustment of the steering wheel in addition to the standard tilt and 180° opening of the right-hand side window.





For information on the various models of the Case skid steer loader, please refer to the following table:

Type	Power	Weight	Capacity
Model 250	2500	1500	1500
Model 350	3500	2500	2500
Model 450	4500	3500	3500
Model 550	5500	4500	4500
Model 650	6500	5500	5500
Model 750	7500	6500	6500
Model 850	8500	7500	7500
Model 950	9500	8500	8500
Model 1050	10500	9500	9500
Model 1150	11500	10500	10500
Model 1250	12500	11500	11500
Model 1350	13500	12500	12500
Model 1450	14500	13500	13500
Model 1550	15500	14500	14500
Model 1650	16500	15500	15500
Model 1750	17500	16500	16500
Model 1850	18500	17500	17500
Model 1950	19500	18500	18500
Model 2050	20500	19500	19500
Model 2150	21500	20500	20500
Model 2250	22500	21500	21500
Model 2350	23500	22500	22500
Model 2450	24500	23500	23500
Model 2550	25500	24500	24500
Model 2650	26500	25500	25500
Model 2750	27500	26500	26500
Model 2850	28500	27500	27500
Model 2950	29500	28500	28500
Model 3050	30500	29500	29500
Model 3150	31500	30500	30500
Model 3250	32500	31500	31500
Model 3350	33500	32500	32500
Model 3450	34500	33500	33500
Model 3550	35500	34500	34500
Model 3650	36500	35500	35500
Model 3750	37500	36500	36500
Model 3850	38500	37500	37500
Model 3950	39500	38500	38500
Model 4050	40500	39500	39500
Model 4150	41500	40500	40500
Model 4250	42500	41500	41500
Model 4350	43500	42500	42500
Model 4450	44500	43500	43500
Model 4550	45500	44500	44500
Model 4650	46500	45500	45500
Model 4750	47500	46500	46500
Model 4850	48500	47500	47500
Model 4950	49500	48500	48500
Model 5050	50500	49500	49500
Model 5150	51500	50500	50500
Model 5250	52500	51500	51500
Model 5350	53500	52500	52500
Model 5450	54500	53500	53500
Model 5550	55500	54500	54500
Model 5650	56500	55500	55500
Model 5750	57500	56500	56500
Model 5850	58500	57500	57500
Model 5950	59500	58500	58500
Model 6050	60500	59500	59500
Model 6150	61500	60500	60500
Model 6250	62500	61500	61500
Model 6350	63500	62500	62500
Model 6450	64500	63500	63500
Model 6550	65500	64500	64500
Model 6650	66500	65500	65500
Model 6750	67500	66500	66500
Model 6850	68500	67500	67500
Model 6950	69500	68500	68500
Model 7050	70500	69500	69500
Model 7150	71500	70500	70500
Model 7250	72500	71500	71500
Model 7350	73500	72500	72500
Model 7450	74500	73500	73500
Model 7550	75500	74500	74500
Model 7650	76500	75500	75500
Model 7750	77500	76500	76500
Model 7850	78500	77500	77500
Model 7950	79500	78500	78500
Model 8050	80500	79500	79500
Model 8150	81500	80500	80500
Model 8250	82500	81500	81500
Model 8350	83500	82500	82500
Model 8450	84500	83500	83500
Model 8550	85500	84500	84500
Model 8650	86500	85500	85500
Model 8750	87500	86500	86500
Model 8850	88500	87500	87500
Model 8950	89500	88500	88500
Model 9050	90500	89500	89500
Model 9150	91500	90500	90500
Model 9250	92500	91500	91500
Model 9350	93500	92500	92500
Model 9450	94500	93500	93500
Model 9550	95500	94500	94500
Model 9650	96500	95500	95500
Model 9750	97500	96500	96500
Model 9850	98500	97500	97500
Model 9950	99500	98500	98500
Model 10050	100500	99500	99500



# 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 your machine for remote support.







# OVERVIEW

# SPEC SHEET

	21F	121F	221F	321F
CAB & OPERATOR COMPARTMENT				
ROPS/FOPS Level II base cab (tilt adjustment of the steering column, partially openable right window)	●	●	●	●
ROPS/FOPS Level II deluxe cab (full adjustment of the steering column, 180° openable swing door, larger storage compartment)	○	○	○	○
Mechanical suspended seat	●	●	●	●
Air suspended seat	○	○	○	○
Wide rear view mirror	●	●	●	●
Heater	●	●	●	●
Air conditioning	○	○	○	○
Color display with encoder	●	●	●	●
Keypad for easy machine settings	●	●	●	●
Radio with MP3 and USB plug	○	○	○	○
Rotating beacon	○	○	○	○
TRANSMISSION				
Hydrostatic 4-wheel Drive Transmission (2-Speed)	●	●	●	●
Speed with standard tyres	-	-	-	-
Travel speed range (STD speed version)	0 - 20 km/h	0 - 20 km/h	0 - 20 km/h	0 - 20 km/h
Optional High Travel Speed	-	-	40 km/h	40 km/h
“Inch & Brake” Pedal	●	●	●	●
AXLES				
Limited slip front & rear	●	●	●	●
Open with 100% lock on front and rear differentials	-	-	○	○
Rear axle oscillation	9°	9°	9°	9°
BRAKES				
Standard brakes	Drum type	Dry caliper	Multidisc wet brakes	
Parking brakes	Mechanically actuated drum type	Mechanically actuated dry caliper	Spring applied hydraulically released (SAHR)	
STEERING				
Fully hydraulic center pivot steering	●	●	●	●
Steering angle	40° each side	40° each side	40° each side	40° each side
TYRES				
Standard	12.5 - 18	12.5 - 18	12.5 - 20	14.5 - 20
ELECTRO-HYDRAULIC FEATURES				
ECO Mode	●	●	●	●
Creep Speed	-	-	○	○
Cruise Control	○	○	○	○
Return to Dig function	○	○	○	○
Return to Travel function	○	○	○	○
Return to Height function	○	○	○	○
Ride control	○	○	○	○
Floating	●	●	●	●
Loader arm response control	●	●	●	●
Bucket response control	●	●	●	●





DEEP DIVE INTO  
THE FULL SPECS

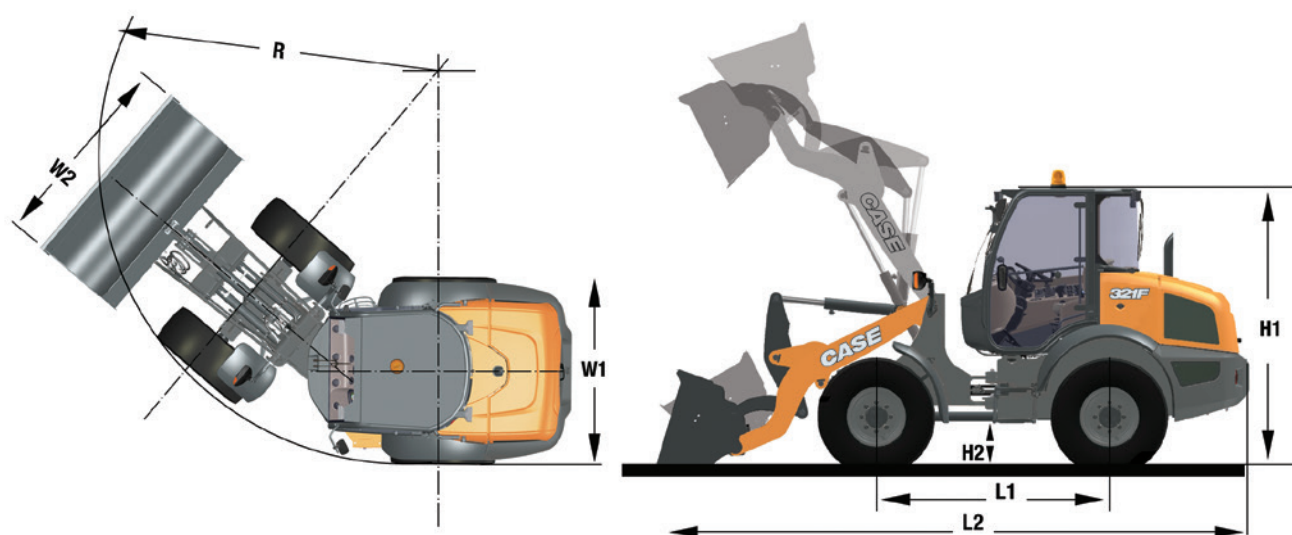
	21F	121F	221F	321F
<b>ELECTRO-HYDRAULIC FEATURES</b>				
Standard flow	67 lpm	67 lpm	85 lpm	85 lpm
Max. pressure	230 bar	230 bar	230 bar	230 bar
High Flow (optional)	-	-	130 lpm	130 lpm
3rd Function	○	○	○	○
4th Function	○	○	○	○
<b>ADDITIONAL FEATURES</b>				
14-pin front electric socket	○	○	○	○
Anti-drop valves	○	○	○	○
LED working lights	○	○	○	○
Cold weather package	○	○	○	○
Reverse alarm	○	○	○	○
Heavy counterweight	-	○	-	○
Emergency tow hook	●	●	●	●
Front salt sprayer predisposition	○	○	○	○
Road homologation	○	○	○	○
<b>QUICK COUPLER</b>				
Horizontal pin	●	●	●	●
Skid steer loader type	○	○	○	○
Eurocoupler	○	○	○	○
<b>ELECTRICAL SYSTEM</b>				
Voltage	12 v	12 v	12 v	12 v
Battery	95 Ah	95 Ah	95 Ah	95 Ah
Alternator	120 Ah	120 Ah	120 Ah	120 Ah
<b>CAPACITIES</b>				
Diesel	86 l	86 l	86 l	86 l
Engine oil	7 l	7 l	7 l	7 l
Cooling Liquid	13 l	13 l	13 l	13 l
Total hydraulic oil	53 l	53 l	53 l	53 l
Front axle	9 l	9 l	9 l	9 l
Rear axle	11 l	11 l	11 l	11 l
<b>CONNECTIVITY</b>				
Telematics on board (P&CM modem)	●	●	●	●
<b>NOISE AND VIBRATIONS</b>				
External - Guaranteed acoustic power-level LWA (according to 2000/14/EG & appendixes)	101 dB	101 dB	101 dB	101 dB
Cab interior - Sound Pressure Level (according to ISO 6396)	71 dB	71 dB	71 dB	71 dB
Hand- / arm- / body -vibration (according to ISO 8041)	< 2.5 / 0.5 m/s <sup>2</sup>	< 2.5 / 0.5 m/s <sup>2</sup>	< 2.5 / 0.5 m/s <sup>2</sup>	< 2.5 / 0.5 m/s <sup>2</sup>

Standard and optional equipment shown can vary by country.

● Standard | ○ options | - N/A



# SPEC SHEET

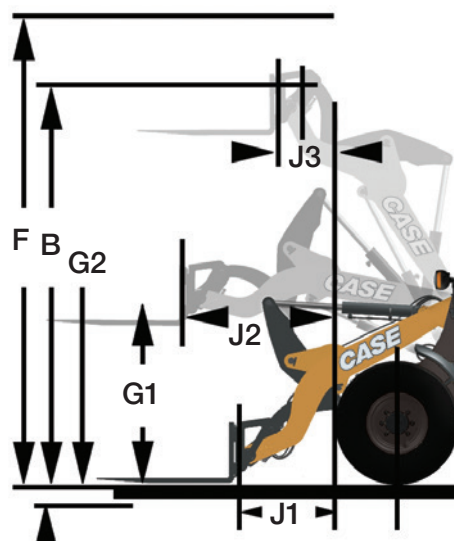
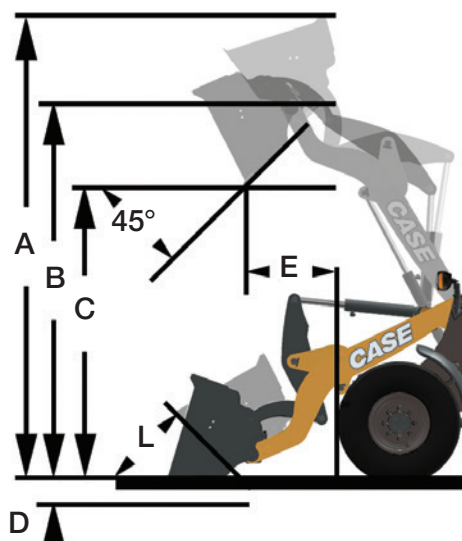


GENERAL DIMENSIONS		21F	121F	221F	321F	
		Z-BAR	Z-BAR	Z-BAR	Z-BAR	XR
H1	mm	2458	2458	2627	2680	2680
H2	mm	444	444	440	493	493
W1	mm	1740	1740	1860	1860	1860
W2	mm	1900	2050	2050	2100	2100
L1	mm	2075	2075	2225	2225	2225
R	mm	3721	3721	3987	3987	3987
L2	mm	5297	5388	5623	5684	6130





DEEP DIVE INTO  
THE FULL SPECS



SPECIFICATIONS WITH BUCKET		21F	121F	221F	321F	
		Z-BAR	Z-BAR	Z-BAR	Z-BAR	XR
Bucket Volume (SAE)	m3	0.7 - 1.0	0.8 - 1.1	0.9 - 1.2	1.0 - 1.3	1.0 - 1.3
Tipping load straight	kg	3328	3806	4493	4625	3710
Tipping load at full turn (40°)	kg	2854	3269	3872	3924	3393
Payload @50%	kg	1427	1635	1936	1962	1696
Breakout Force	kg	5434	5251	6241	6725	6218
A Max bucket height	mm	3950	4011	4179	4322	4604
B Hinge pin height	mm	3137	3176	3289	3395	3705
C Dump height @45°	mm	2500	2521	2598	2690	2969
D Dig Depth	mm	67	102	101	84	319
E Reach at full height	mm	780	832	844	849	1082
Operating weight (std. bucket)	kg	4660	5100	5612	5980	6017
Operating weight (4-in-1 bucket)	kg	4981	5427	5960	6340	6357

SPECIFICATIONS WITH FORKS		21F	121F	221F	321F	
		Z-BAR	Z-BAR	Z-BAR	Z-BAR	XR
Tipping load straight	kg	2458	2857	3168	3430	2895
Tipping load at full turn (40°)	kg	2109	2458	2811	2913	2652
Payload @80%*	kg	1632	1901	2249	2330	2045
F Max overall height	mm	3534	3582	3805	3805	4105
B Hinge pin height	mm	3137	3176	3289	3395	3705
G2 Max fork height	mm	2924	2963	3129	3183	3537
G1 Forks height @ max reach	mm	1280	1278	1391	1395	1468
J1 Reach @ ground level	mm	957	1023	1001	983	1413
J2 Max Reach	mm	1375	1428	1440	1445	1814
J3 Reach @ max height	mm	620	655	632	614	852
Operating weight with forks	kg	4615	5035	5559	5910	5917

\*on even ground, according to ISO 8313 and EN 474-3













## BUILDING ON OUR HERITAGE.

Since 1842, at CASE Construction Equipment we have lived by an unwavering commitment to build practical, intuitive solutions that deliver both efficiency and productivity.

The vast CASE dealers' network is always ready to support and protect your investment.

At the end of the day, we do what's right for our customers and our communities so that they can count on CASE.

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Case Baumaschinen  
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DEUTSCHLAND

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Basildon - SS14 3AD  
UNITED KINGDOM

NOTE: Standard and optional fittings can vary according to the demands and specific regulations of each country. The illustrations may include optional rather than standard fittings - consult your Case dealer. Furthermore, CNH Industrial reserves the right to modify machine specifications without incurring any obligation relating to such changes.

Conforms to directive 2006/42/EC

**CASECE.COM**  
**00800-2273-7373**

The call is free from a land line.  
Check in advance with your Mobile Operator if you will be charged. Toll free number not available from all calling areas.