

Compact Wheel Loaders

F-SERIES EVOLUTION

12EV | 21F | 121F | 221F | 321F



CASE
CONSTRUCTION



A yellow CASE 221F skid steer loader is shown from the side, working on a dirt path. The machine is positioned on the left side of the frame, with its front wheel and part of the body visible. The path is uneven and appears to be under construction or maintenance. The background consists of a grassy field with some trees in the distance. The overall scene is outdoors and appears to be a construction or agricultural site.

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.

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

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

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

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

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

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





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



CLEAN, EFFICIENT 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 Case skid steer loaders, visit our website at www.caseconstructions.com

Model	Capacity (kg)	Capacity (lb)
1845	1800	4000
2345	2300	5000
2845	2800	6200
3345	3300	7300
3845	3800	8400
4345	4300	9500
4845	4800	10600
5345	5300	11700
5845	5800	12800
6345	6300	13900
6845	6800	15000
7345	7300	16100
7845	7800	17200
8345	8300	18300
8845	8800	19400
9345	9300	20500
9845	9800	21600
10345	10300	22700
10845	10800	23800
11345	11300	24900
11845	11800	26000
12345	12300	27100
12845	12800	28200
13345	13300	29300
13845	13800	30400
14345	14300	31500
14845	14800	32600
15345	15300	33700
15845	15800	34800
16345	16300	35900
16845	16800	37000
17345	17300	38100
17845	17800	39200
18345	18300	40300
18845	18800	41400
19345	19300	42500
19845	19800	43600
20345	20300	44700
20845	20800	45800
21345	21300	46900
21845	21800	48000
22345	22300	49100
22845	22800	50200
23345	23300	51300
23845	23800	52400
24345	24300	53500
24845	24800	54600
25345	25300	55700
25845	25800	56800
26345	26300	57900
26845	26800	59000
27345	27300	60100
27845	27800	61200
28345	28300	62300
28845	28800	63400
29345	29300	64500
29845	29800	65600
30345	30300	66700
30845	30800	67800
31345	31300	68900
31845	31800	70000
32345	32300	71100
32845	32800	72200
33345	33300	73300
33845	33800	74400
34345	34300	75500
34845	34800	76600
35345	35300	77700
35845	35800	78800
36345	36300	79900
36845	36800	81000
37345	37300	82100
37845	37800	83200
38345	38300	84300
38845	38800	85400
39345	39300	86500
39845	39800	87600
40345	40300	88700
40845	40800	89800
41345	41300	90900
41845	41800	92000
42345	42300	93100
42845	42800	94200
43345	43300	95300
43845	43800	96400
44345	44300	97500
44845	44800	98600
45345	45300	99700
45845	45800	100800
46345	46300	101900
46845	46800	103000
47345	47300	104100
47845	47800	105200
48345	48300	106300
48845	48800	107400
49345	49300	108500
49845	49800	109600
50345	50300	110700
50845	50800	111800
51345	51300	112900
51845	51800	114000
52345	52300	115100
52845	52800	116200
53345	53300	117300
53845	53800	118400
54345	54300	119500
54845	54800	120600
55345	55300	121700
55845	55800	122800
56345	56300	123900
56845	56800	125000
57345	57300	126100
57845	57800	127200
58345	58300	128300
58845	58800	129400
59345	59300	130500
59845	59800	131600
60345	60300	132700
60845	60800	133800
61345	61300	134900
61845	61800	136000
62345	62300	137100
62845	62800	138200
63345	63300	139300
63845	63800	140400
64345	64300	141500
64845	64800	142600
65345	65300	143700
65845	65800	144800
66345	66300	145900
66845	66800	147000
67345	67300	148100
67845	67800	149200
68345	68300	150300
68845	68800	151400
69345	69300	152500
69845	69800	153600
70345	70300	154700
70845	70800	155800
71345	71300	156900
71845	71800	158000
72345	72300	159100
72845	72800	160200
73345	73300	161300
73845	73800	162400
74345	74300	163500
74845	74800	164600
75345	75300	165700
75845	75800	166800
76345	76300	167900
76845	76800	169000
77345	77300	170100
77845	77800	171200
78345	78300	172300
78845	78800	173400
79345	79300	174500
79845	79800	175600
80345	80300	176700
80845	80800	177800
81345	81300	178900
81845	81800	180000
82345	82300	181100
82845	82800	182200
83345	83300	183300
83845	83800	184400
84345	84300	185500
84845	84800	186600
85345	85300	187700
85845	85800	188800
86345	86300	189900
86845	86800	191000
87345	87300	192100
87845	87800	193200
88345	88300	194300
88845	88800	195400
89345	89300	196500
89845	89800	197600
90345	90300	198700
90845	90800	199800
91345	91300	200900
91845	91800	202000
92345	92300	203100
92845	92800	204200
93345	93300	205300
93845	93800	206400
94345	94300	207500
94845	94800	208600
95345	95300	209700
95845	95800	210800
96345	96300	211900
96845	96800	213000
97345	97300	214100
97845	97800	215200
98345	98300	216300
98845	98800	217400
99345	99300	218500
99845	99800	219600

THE SILENT REVOLUTION.

12EV'S SIX STEPS TO SUSTAINABILITY



1 ZERO EMISSIONS

23 kWh cobalt-free lithium-ion battery at the heart of the machine

Driveline powered by a 17 kW electric motor

Loader arm and attachments powered by a 22 kW electric motor

Clean and silent power ideal for restricted areas or indoor operation

2 EVOLUTION SERIES OPERATOR EXPERIENCE

ROPS/FOPS level 2 cab also available in deluxe version

Work in a silent and emission-free environment

Large colour display operated via encoder

Membrane keypad for quick and intuitive machine settings

3 EASY TO CHARGE FOR AN ALL-DAY USAGE

The battery can be charged through every household outlet with the standard 230V on-board charger

Optional fast charger reduces the charge time to 1 hour 20% to 80% to always have your 12EV ready to go



WATCH THE FULL
WALKAROUND



4 **SMART ENERGY SAVING SOLUTIONS**

Excellent front weight balance to reduce the unnecessary consumption during loading/unloading phases

3 preset Drive Modes plus a customizable one to ensure energy supply in all conditions

No battery consumption during idle periods

5 **MORE OPPORTUNITIES FOR YOUR BUSINESS**

Access to noise and pollution restricted areas

Ideal for indoor operations

6 **CONSTANT CONNECTION**

P&CM modem as standard

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

CASE exclusive Site Manager and Sitewatch



SUSTAINABLE, ELECTRIC POWER.

THE NEW ECO-FRIENDLY SOLUTION

CASE is at the top of the game also where silent and emission free solutions are needed to access environmentally sensitive, indoor and restricted access jobsites.

12EV is the first electric compact wheel loader ever produced by CASE. Its features are:



23 kWh cobalt-free lithium-ion battery with 96V nominal voltage.



The driveline and loader arm hydraulics are powered by two 3-phase asynchronous induction motors of respectively 17 kW and 22 kW.



The noise level of 69 dB internal (LwA) and 87 dB external (LpA) makes the 12EV one of the most silent construction equipment in the industry.



The optional off-board fast charger, available both in IP21 and IP54 versions, recharges the 12EV's battery on the jobsite quickly and easily. The 12EV can also be recharged overnight through a regular household power network.



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

	12EV	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)	-	●	●	●	●
Electric drive motor 17 kW	●	-	-	-	-
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	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°	9°
BRAKES					
Standard brakes	Drum type	Drum type	Dry caliper	Multidisc wet brakes	
Parking brakes	Mechanically actuated drum type	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	40° each side
TYRES					
Standard	10.5 - 18	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

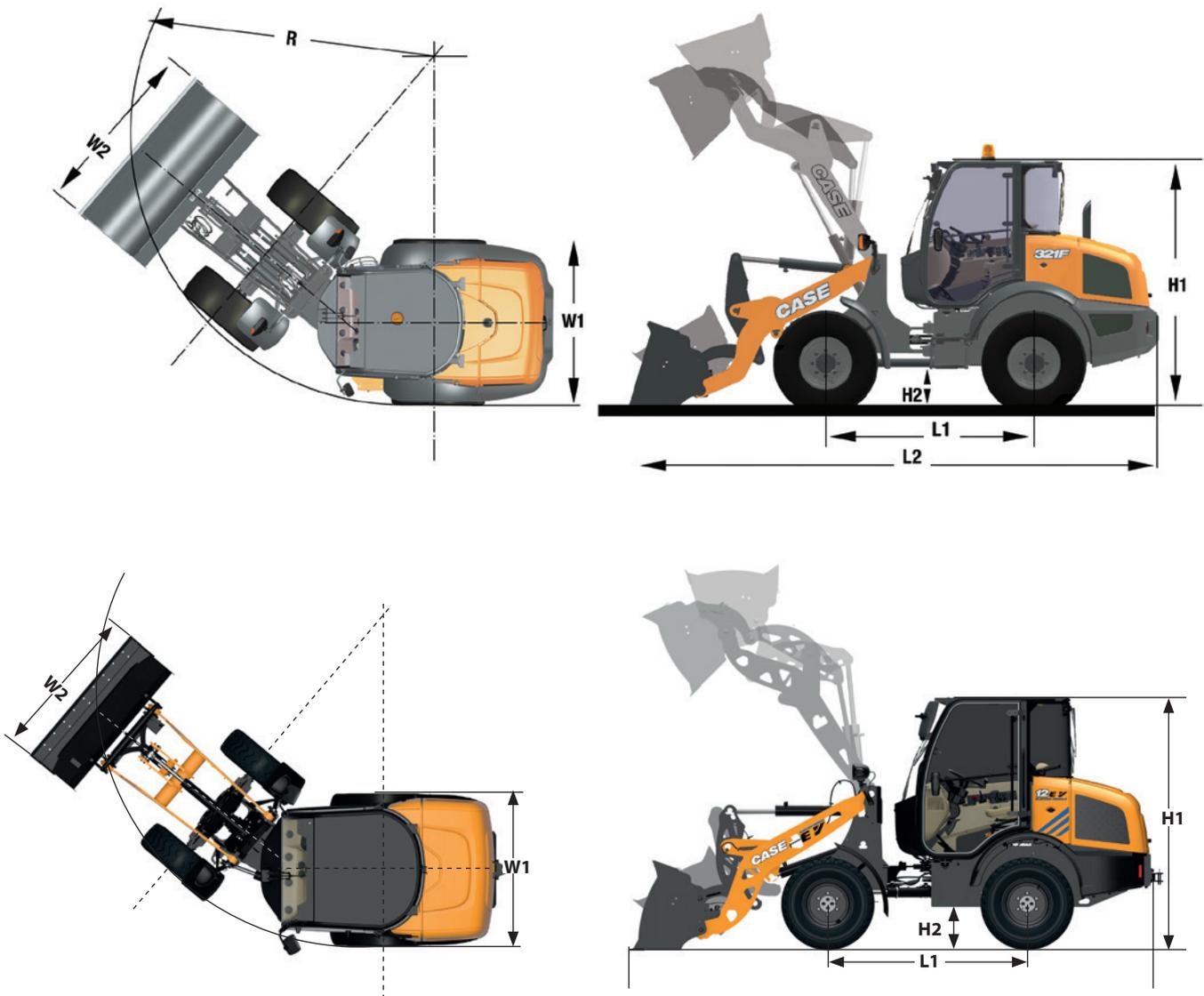
	12EV	21F	121F	221F	321F
ELECTRO-HYDRAULIC FEATURES					
Standard flow	55 lpm	67 lpm	67 lpm	85 lpm	85 lpm
Max. pressure	230 bar				
High Flow (optional)	-	-	-	130 lpm	130 lpm
3 rd Function	●	●	●	●	●
4 th Function	○	○	○	○	○
ADDITIONAL FEATURES					
14-pin front electric socket	○	○	○	○	○
Anti-drop valves	○	○	○	○	○
LED working lights	○	○	○	○	○
Cold weather package	○	○	○	○	○
Reverse alarm	○	○	○	○	○
Heavy counterweight	-	-	○	-	○
Emergency tow hook	●	●	●	●	●
Front salt sprayer predisposition	○	○	○	○	○
Road homologation	○	○	○	○	○
QUICK COUPLER					
Horizontal pin	●	●	●	●	●
Skid steer loader type	○	○	○	○	○
Eurocoupler	○	○	○	○	○
ELECTRICAL SYSTEM					
Voltage	96 V	12 V	12 V	12 V	12 V
Battery	260 Ah	95 Ah	95 Ah	95 Ah	95 Ah
Alternator	-	120 Ah	120 Ah	120 Ah	120 Ah
CAPACITIES					
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				
Front axle	9 l	9 l	9 l	9 l	9 l
Rear axle	11 l				
CONNECTIVITY					
Telematics on board (P&CM modem)	●	●	●	●	●
NOISE AND VIBRATIONS					
External - Guaranteed acoustic power-level LWA (according to 2000/14/EG & appendixes)	87 dB	101 dB	101 dB	101 dB	101 dB
Cab interior - Sound Pressure Level (according to ISO 6396)	69 dB	71 dB	71 dB	71 dB	71 dB
Hand- / arm- / body -vibration (according to ISO 8041)	< 2.5 / 0.5 m/s ²				

* Not applicable as creep speed is naturally supplied by electric propulsion

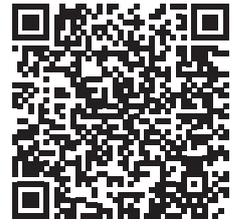
Standard and optional equipment shown can vary by country.

● Standard | ○ options | - N/A

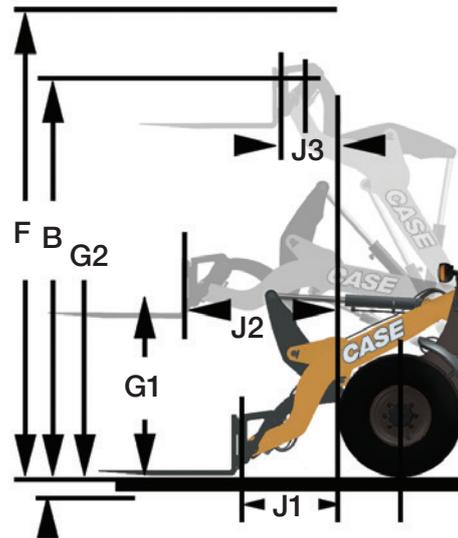
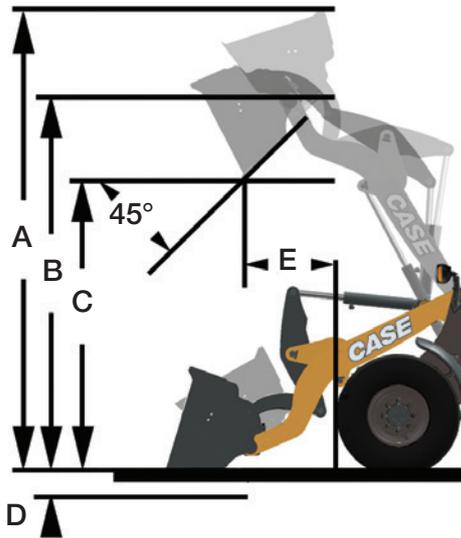
SPEC SHEET



GENERAL DIMENSIONS		12EV	21F	121F	221F	321F	
		Z-BAR	Z-BAR	Z-BAR	Z-BAR	Z-BAR	XR
H1	Height to the top of the ROPS	mm	2453	2458	2458	2627	2680
H2	Ground clearance	mm	395	444	444	440	493
W1	Overall width (exclusive of bucket)	mm	1570	1740	1740	1860	1860
W2	Overall width (with bucket)	mm	1650	1900	2050	2050	2100
L1	Wheelbase	mm	1925	2075	2075	2225	2225
R	Turning radius (outside of tires)	mm	3429	3721	3721	3987	3987
L2	Max. length in carry position	mm	5164	5297	5388	5623	6130



DEEP DIVE INTO
THE FULL SPECS



SPECIFICATIONS WITH BUCKET		12EV	21F	121F	221F	321F	
		Z-BAR	Z-BAR	Z-BAR	Z-BAR	Z-BAR	XR
Bucket Volume (SAE)	m ³	0.5	0.7 - 1.0	0.8 - 1.1	0.9 - 1.2	1.0 - 1.3	1.0 - 1.3
Tipping load straight	kg	2300	3328	3806	4493	4625	3710
Tipping load at full turn (40°)	kg	1941	2854	3269	3872	3924	3393
Payload @50%	kg	971	1427	1635	1936	1962	1696
Breakout Force	kg	2913	5434	5251	6241	6725	6218
A Max bucket height	mm	3902	3950	4011	4179	4322	4604
B Hinge pin height	mm	3088	3137	3176	3289	3395	3705
C Dump height @45°	mm	2458	2500	2521	2598	2690	2969
D Dig Depth	mm	52	67	102	101	84	319
E Reach at full height	mm	879	780	832	844	849	1082
Operating weight (std. bucket)	kg	3880	4660	5100	5612	5980	6017
Operating weight (4-in-1 bucket)	kg	-	4981	5427	5960	6340	6357

SPECIFICATIONS WITH FORKS		12EV	21F	121F	221F	321F	
		Z-BAR	Z-BAR	Z-BAR	Z-BAR	Z-BAR	XR
Tipping load straight	kg	1699	2458	2857	3168	3430	2895
Tipping load at full turn (40°)	kg	1431	2109	2458	2811	2913	2652
Payload @80%*	kg	1145	1632	1901	2249	2330	2045
F Max overall height	mm	3491	3534	3582	3805	3805	4105
B Hinge pin height	mm	3088	3137	3176	3289	3395	3705
G2 Max fork height	mm	2875	2924	2963	3129	3183	3537
G1 Forks height @ max reach	mm	1296	1280	1278	1391	1395	1468
J1 Reach @ ground level	mm	984	957	1023	1001	983	1413
J2 Max Reach	mm	1431	1375	1428	1440	1445	1814
J3 Reach @ max height	mm	720	620	655	632	614	852
Operating weight with forks	kg	3910	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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ESPAÑA

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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.