

D

CASE

SERIES 2 SMALL WHEEL LOADERS

21D-121D-221D-321D



P R O F E S S I O N A L P A R T N E R

SMALL
WHEEL
LOADERS

21D-121D-22



1D-321D

SERIES 2



NEW CAB

- Modern, spacious and ergonomic
- All round 360° visibility
- ROPS/FOPS
- Radio pre-equipment
- Adjustable steering column
- Heater and defroster
- Fully adjustable, cloth suspension seat
- Key start
- Foot throttle
- Single lever electronic speed shift control, F/N/R switch in loader control handle
- Retractable seat belt
- Cup holder
- Storage tray
- Sun screen front and rear
- Dome light
 - Wipers front and rear
 - 12-volt auxiliary power
 - External rearview mirrors
 - Coat hook

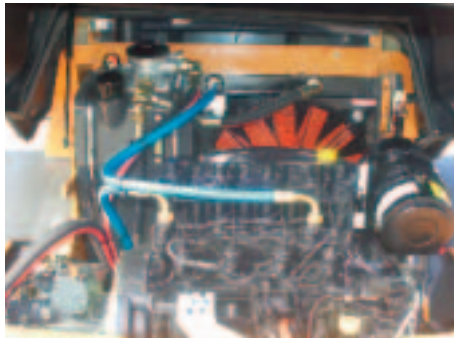


ENGINE

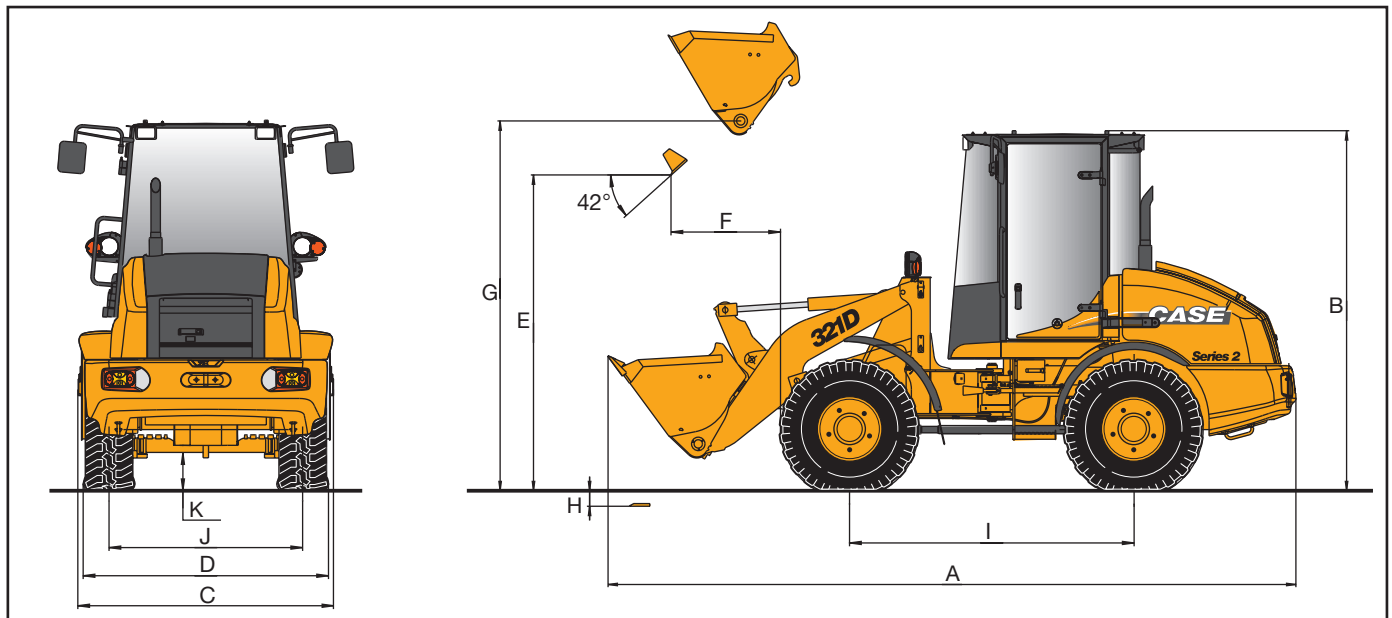
Type

New low emission Tier II engine complies with 97/68/CE rules
Oil cooled - Direct injection

		21D	121D	221D	321D
Make and model		Deutz F4M2011	Deutz F4M2011	Deutz F4M2011	Deutz BF4M2011
DIN 14396 horsepower		40 kW / 54 hp	44 kW / 59 hp	45 kW / 60 hp	56 kW / 75 hp
Operating speed	rpm	2300	2400	2500	2300
Cubic capacity	cm ³	3100	3100	3100	3100
Number of cylinders		4	4	4	4
Bore x stroke	mm	94 x 112	94 x 112	94 x 112	94 x 112
Aspiration		natural	natural	natural	turbocharged
Air filter		dry type	dry type	dry type	dry type



DIMENSIONS AND WEIGHTS



		21D	121D	221D	321D
A Overall length	mm	5050	5400	5400	5500
B Cab height	mm	2680	2800	2800	2800
C Bucket width	mm	1900	2050	2050	2100
D Width outside tyres	mm	1780	1910	1910	1910
E Dump clearance	mm	2410	2520	2520	2630
F (Bucket) reach	mm	780	790	840	940
G Maximum pin height	mm	3070	3180	3180	3340
H Digging depth	mm	37	85	85	85
I Wheelbase	mm	2120	2250	2250	2350
J Gauge	mm	1440	1520	1520	1520
K Ground Clearance	mm	330	380	380	400
Operating weight	kg	4450	5200	5300	5870

ELECTRICAL CIRCUIT

Voltage	12 V
Battery	1 x 92 Ah
Alternator	55 A

BRAKES

Service brake	Hydrostatic, hydraulically actuated, dry disc with accumulator on front axle and joint shaft FT (Fast Travel) version (optional) has two additional wet disc brakes on front axle, close to planetaries
Parking brake	Mechanical on front axle and joint shaft

TRANSMISSION

21D

121D

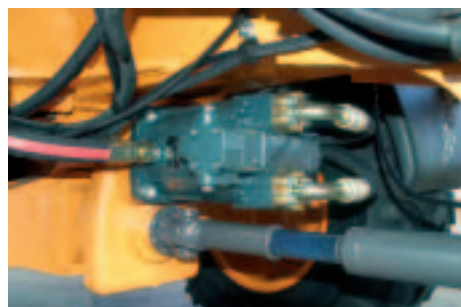
221D

321D

Type	Hydrostatic transmission (with automatic power regulation) - Inching pedal (slow approach) Directional and gear change integrated into the loader control handle - Permanent 4 wheel drive			
------	---	--	--	--

TRAVEL SPEEDS

Fwd / Rev.	1 st	Km/h	0 → 6	0 → 6	0 → 6	0 → 6
	2 nd	Km/h	0 → 20	0 → 20	0 → 20	0 → 20
	2 nd (option)	Km/h	-	0 → 35	0 → 35	0 → 35
Rear axle - oscillating	Total oscillation 24°-Limited slip differential optional or included in the FT (Fast Travel) version					
Front axle - rigid	Limited slip differential as standard					
Standard tyres	335/80 R18		335/80 R20	365/80 R20	405/70 R20	



STEERING

21D

121D

221D

321D

Type	Orbitrol	Orbitrol	Orbitrol	Orbitrol
Turning angle	±41°	±41°	±41°	±41°
Turning radius - Bucket outer	4150 mm	4250 mm	4400 mm	4600 mm

HYDRAULIC CIRCUIT

Type		Gear type pump for implement and steering, open centre circuit, pressure/flow compensated Optional 3rd hydraulic function for 4-in-1 bucket			
Flow	l/min	52	64	66	72
Pressure	bar	230	230	230	230

CAPACITIES

Fuel tank	l	100	100	100	100
Hydraulic system	l	60	65	65	70

BUCKETS

Buckets (with or without teeth)		Earthmoving							4-in-1			
Capacity	l	700	800	800	900	1000	1100	1200	650	700	850	950
Width	mm	1900	1900	2050	2050	2100	2100	2100	1900	2050	2100	2100
Availability		21D	21D	121D	121D/221D	221D/321D	321D	321D	21D	121D	221D	321D



LOADER EQUIPMENT

- Hydraulic quick coupler fitted as standard equipment
- Strong and high performance, Z-bar loader arms
- Bucket returns automatically to horizontal position when lowering boom from maximum height with bucket rolled out
- Bucket horizontal position indicator (option)



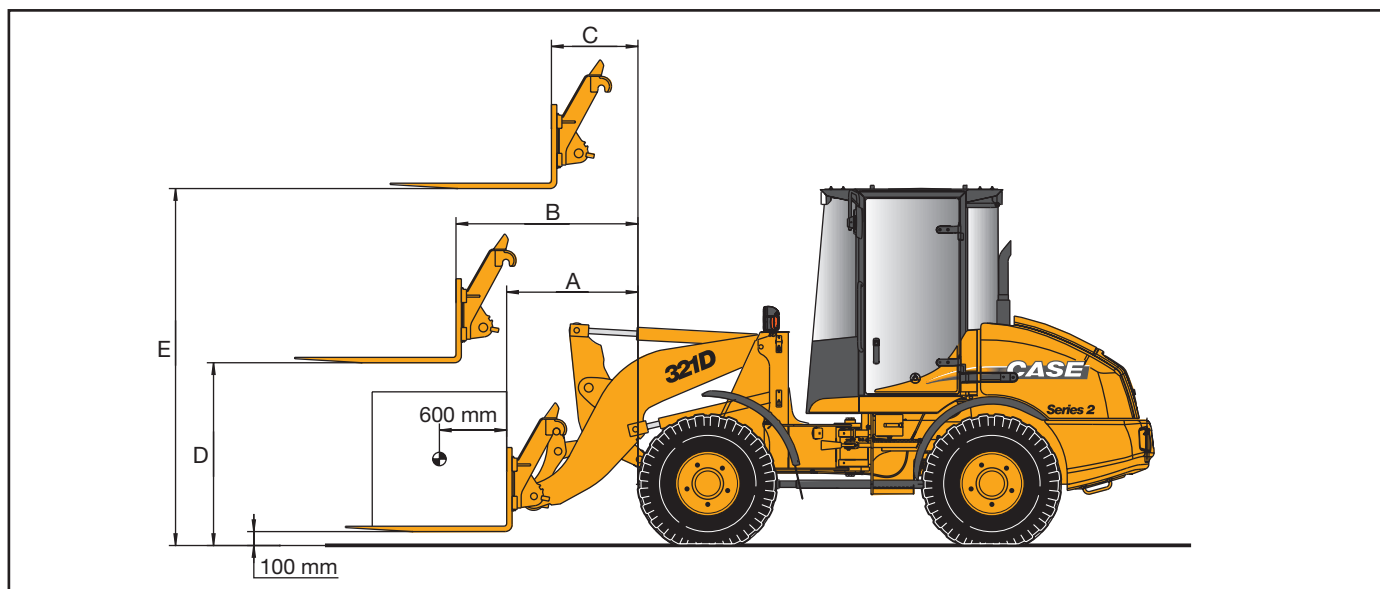
CYCLE TIME

		21D	121D	221D	321D
Raising (with full bucket)	sec.	6.0	5.7	5.5	6.6
Lowering (bucket empty)	sec.	3.0	3.2	3.0	3.5
Dumping	sec.	1.0	1.2	1.1	1.1
Complete cycle time	sec.	10.0	10.1	9.6	11.2

PERFORMANCE

Standard bucket capacity (1.8 density)	m ³	0.7	0.8	0.9	1.1
Breakout	daN	5450	5936	5890	7500
Tipping load					
in line	kg	3250	3658	4078	4370
turned to 41°	kg	2700	3100	3301	3564
Bucket width	mm	1900	2050	2050	2100
Lift capacity at ground level	daN	4020	4300	4780	5700

PALLET FORKS



		21D	121D	221D	321D
Fork length	mm	1200	1200	1200	1200
Fork support width	mm	1383	1383	1383	1383
Weight	kg	300	340	340	340
A Ground reach	mm	698	671	671	770
B Maximum reach	mm	1191	1215	1215	1307
C Reach at maximum height	mm	504	487	487	595
D Height at maximum reach	mm	1323	1410	1410	1469
E Maximum height	mm	2942	3000	3000	3123
Tipping load					
in line	kg	2220	2506	2841	3133
turned to 41°	kg	1850	2110	2307	2589
Operating load					
rough terrain	kg	1110	1266	1384	1553
flat terrain	kg	1480	1688	1846	2071
Operating weight	kg	4400	5113	5234	5769

21D-121D-221D-321D Series 2

STANDARD EQUIPMENT

- 4 wheel drive
- Alarm and warning lights
- ROPS/FOPS cab
- Retractable seat belt
- Air filter warning
- Adjustable steering column
- Side and brake lights
- Cab air filter
- Hydraulic return filter
- Parking brake
- Dry disc brake
- Front and rear fenders
- Hourmeter
- Direction indicator
- Forward or reverse drive indicator
- Horn
- Bucket equipment control lever with Forward/Reverse selector
- Halogen headlights
- Outboard planetary reduction
- Electrical circuit protection
- Hydraulic cooler
- Bucket return to horizontal position
- Instrument panel with electronic warning system
- Hydraulic quick coupler
- Heated cab
- Inching pedal

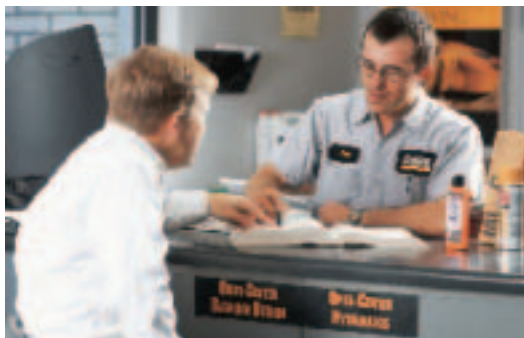
OPTIONS

- Auxiliary hydraulics
- Radio-cassette player
- Anti-start device
- Additional headlight
- Rotating beacon
- Audible reversing warning
- Safety valves on loader arms
- Additional counterweight
- 3rd hydraulic function (for 4-in-1 bucket)
- Bucket position indicator
- Limited slip differential rear axle
- Fast travel version, includes:
 - two additional wet disc brakes on front axle;
 - limited slip differential on rear axle
- High performance heating
- High performance heating with air conditioning

Standard and optional equipment shown can vary by country.



SERVICE & SUPPORT
THE CASE DEALER
YOUR PROFESSIONAL PARTNER



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 reserves the right to modify machine specifications without incurring any obligation relating to such changes.

CNH UK Ltd.
Armstrong House
The Finningley Estate
Hayfield Lane
Doncaster
DN9 3XA
Fax +44 (0)1302 802126

Conforms to directive 98/37/CE



www.casece.com

WORLDWIDE CASE CONSTRUCTION EQUIPMENT CONTACT INFORMATION

EUROPE/AFRICA/MIDDLE EAST:
CENTRE D'AFFAIRES EGB
5, AVENUE GEORGES BATAILLE - BP 40401
60671 LE PLESSIS-BELLEVILLE - FRANCE

NORTH AMERICA/MEXICO:
700 STATE STREET
RACINE, WI 53404 U.S.A.

LATIN AMERICA:
AV. GENERAL DAVID SARNOFF 2237
32210 - 900 CONTAGEM - MG
BELO HORIZONTE BRAZIL

ASIA PACIFIC:
UNIT 1 - 1 FOUNDATION PLACE - PROSPECT
NEW SOUTH WALES - 2148 AUSTRALIA

CHINA:
No. 29, INDUSTRIAL PREMISES, No. 376.
DE BAO ROAD, WAIGAOQIAO FTZ, PUDONG,
SHANGHAI, 200131, P.R.C.

CASE
PROFESSIONAL PARTNER