

ARTICULATED TRUCKS 327B-330B-335B-340B



Engine Horsepower Payload Heaped capacity Total laden weight **327B** 235 kW/315 hp 24 650 kg 14.5 m³ 46 890 kg **330B**260 kW/349 hp
28 160 kg
17.6 m³
50 730 kg

335B 306 kW/410 hp 31 500 kg 20.0 m³ 60 000 kg **340B** 340 kW/456 hp 36 000 kg 22.0 m³ 65 000 kg

POWER AND ECONOMY

The Case range of articulated dump trucks use the latest electronically-controlled Tier III diesel engines. These 10 and 13 litre powerplants have high pressure single unit injection pumps and variable geometry turbocharging to provide rapid response, high torque rise and maximum fuel economy in all operating conditions. **High performance. Low environmental impact.**

EASE OF OPERATION

An electronically-controlled transmission offers a choice of fully automatic or powershift control of the six forward and three reverse gears. Finely modulated clutch engagement provides smooth gearchanges for extended component life and low fatigue for the operator.

Smooth shifting. Complete control.



OPERATOR STATION

All four trucks offer a best-in-class operator environment, with unparalleled visibility thanks to a sloping engine canopy and flat glass throughout the cabin. An optional rear view camera and in-cab monitor offer further reassurance in tight site conditions. Isolation mounting, sound proofing and standard air conditioning provide the operator with a low fatigue office throughout the working day.

Maximum comfort. Increased productivity.

SMOOTH RIDE

The B series Case articulated truck has true independent front suspension with both vertical and oscillating movement. Long stroke cylinders provide excellent damping and bump absorption. This provides a smooth ride for the operator, enabling higher travel speeds and increased productivity. **Operator comfort. Increased traction.**

WIDE LOAD

Case ADTs have a wide chassis and dump body, offering a low centre of gravity for increased stability. Tilt cylinders are mounted inside the frame for protection from damage and improved lift geometry. Material retention. Solid stability.

TOTAL TRACTION

All Case articulated trucks have a standard full 6x6 traction drivetrain, with limited slip differentials in the axles and a longitudinal differential lock for operation in particularly tough applications. Perfectly matched driveline components include an integral differential mounted directly to the transmission, eliminating the need for a separate drive shaft and providing maximum power transfer to all wheels.

Extreme productivity. All weather performance



MINIMUM DOWNTIME

Forward power-tilt engine canopy offers excellent access to engine and service components. Centralised lubrication for axles, articulation and oscillation joints, with automatic lubrication system available as an option. Central service port for all hydraulic pressure check ports reduces diagnostic time and increases productive uptime.

Ease of service. Reduced ownership cost.



The Case articulated dump truck range is powered by the latest family of Case electronically-controlled diesel engines featuring high pressure single unit injection pumps. Utilising variable geometry turbocharging, the 10 and 13 litre engine provide a high torque rise, for maximum rimpull in difficult site conditions, with low fuel consumption and reduced environmental impact. The 10 litre Tier III engine in the 327B offer 315 hp (235 kW) of power. In the 330B that is increased to 349 hp (260 kW). The larger 335B uses a 13 litre motor offering 410 hp (306 kW) while the same engine in the range-topping 340B comes with 456 hp (340 kW).

TRANSMISSION



An electronically-controlled transmission provides the operator with a choice of fully automatic operation or manual powershift control. Six forward ratios and three reverses gears enable full use of the engine power in all ground conditions. Precise clutch engagement and smooth gearshift modulation result in extended driveline component life and reduced fatigue for the operator.



Case ADTs come as standard with limited slip axles and longitudinal differential locks, that offer 6x6 drive for ultimate traction. An integral differential is mounted directly to the transmission output, eliminating the need for an additional driveshaft and providing maximum engine power to the wheels. Driveline components are well matched, with electronic control synchronising the operation of transmission and axles to provide high levels of tractability in all operating conditions. The 335B and 340B feature an industry-exclusive warm up circuit that uses the transmission retarder to warm the hydraulic oil on start up, reducing pressure on seals and increasing hydraulic component life.



OPERATOR'S CAB

There is no better view from an ADT cab than from the Case B series, with its sloping engine canopy and flat glass all round providing a commanding view around the truck. Large side windows and floor to ceiling glass doors provide a light, airy working environment and the ROPS/FOPS structure is isolation mounted to provide a smooth ride for the driver. An ergonomically designed console provides easy control for the operator, with push button change from manual to automatic operation of the transmission. A fully adjustable suspension seat, tilting steering wheel and standard air conditioning complete the picture, ensuring low fatigue and high productivity throughout the working day.





All B series trucks have independent front suspension offering both vertical and oscillating movement. The suspension uses long travel cylinders for excellent bump suppression, providing a smooth ride for the operator, particularly when running unladen on the return leg of a haul. The rear suspension has dual cast steel beams secured directly under the rear frame, for long term durability and reliability. This combination allows the operator to work at higher speeds, increasing productivity and reducing the cost per tonne moved on site.



The Case B series articulated truck has a wide chassis and dump body to provide a lower centre of gravity, increasing stability on rough ground and assisting the suspensions system to provide a smooth ride. The tilt cylinders are mounted within the wide frame rails, for added protection and to improve the lift geometry for rapid discharge and return to hauling position.

Heaped capacities range from 14.5 $\,m^3$ on the 327B to 22.0 $\,m^3$ on the top of the range 340B.



A powered forward tilting engine canopy provides excellent access to the engine and cooling pack for regular service and maintenance. For more complete access to the transmission and hydraulic system, the cab can be tilted away from the chassis and the fenders opened for a completely unhindered view of major components. The Case trucks feature an electronic control and monitoring system (EDC) in the cab console which displays all fluid levels and temperatures when the truck is started, greatly reducing the daily checks necessary before use. In addition centralised hydraulic pressure check points assist with fault diagnosis and the trucks have swing out wheel arches for access to the front tyres and hydraulic components. Automatic lubrication is available, with all B Series Trucks having centralised lubrication for axles, articulated and oscillation joints.





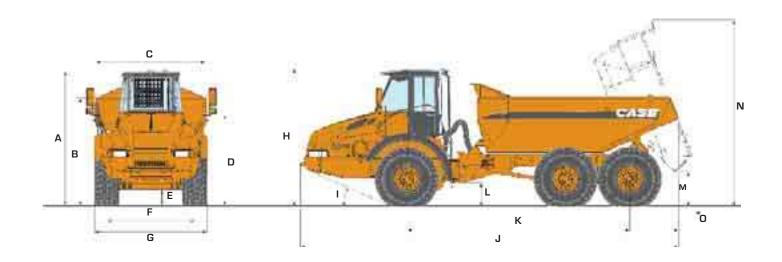


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ENGINE	
ModelCase Far	nily IV 10 liter, Tier III certified
Type4-stroke, varia	
	and air to air cooled diesel
Cylinders	In-line 6
Bore/stroke	125 x 140 mm
Displacement	
	Yes
Enginepower per SAE J1995	45 by (005 DAA) @ 0400 yyy
Gross3	10 np (230 kVV) @ 2100 rpm
Net30 Maximum torque @ 1000 rpm _	00 hp (224 kW) @ 2100 rpm
iviaximum torque @ 1000 rpm _	Net 1450 Mil
TRANSMISSION	
Model	ZF 6WG260
Type	Powershift
Torque converter	
Torque converter ratio	2:08-1
Gears	6 forward/3 reverse
	Reverse travel km/h
1st 5.4	5.4
2nd 8.4	13.2
3rd 13.2	30.0
4th 20.5	-
5th 30.0	-
6th 46.6	-
Torque proportion front/rear	
Drop box	Integrated
Gradeability	40% max. (18°)
BRAKES	
Service - calliper2 per wh	eel (front) 1 ner wheel (rear)
der vice damper per wir	outboard disc (6)
Parking - calliper(1) pro	tected disc (1) on drive shaft
Engine Brake	Turbo brake
TRANSFER BOX	
Mounting	
Ranges	1
Front axle interlock	Dog Clutch type
FRONT WHEEL ENDS	
Make/model	Kessler R81 PL488
Type	Outboard planetary
•	,
INTERMEDIATE AND RE	
Make/Model	Kessler D81PL488
lype	Outboard planetary
Axle	Limited slip
CHASSIS	
Type	Front / rear hov frame
Linkage	Iniversal joint
LII INAYE	

CTEEDING (ADTIQUE A	FIONI
STEERING/ARTICULATION Frame connection	Rall bearing with 2 ball races
Traine connection	and 4 spherical joints
Articulation angle degrees	. 45°
Steering turns lock-lock Secondary steering type	4.5
Secondary steering type	Ground driven
SUSPENSION	
Front suspension	"A" frame plus tie-rod
Front type Front suspension Rear type	2-Rocking beams
Rear suspension	Rubber bush
LOAD BODY	
Construction	Ribless
Body tipping angle degBody tipping time to raise/lowe	68°
Body tipping time to raise/lowe Tip cylinders type	er 13/13 sec Multi stage
Power down	Yes, 1st stage
Loadover height	2700 mm
PAYLOAD	
Payload	24 650 kg
Capacity, struck	10.6 m ³
Capacity, heaped SAE 2:1	14.5 m ³
CAPACITIES	
Fuel tankHydraulic reservoir	3801
Engine oil	2201 30.51
Transmission	38 I
Front wheel hubs	3.0
Drive axles Intermediate	15
Rear	
TYRES	
Rim	5 section
RimStandard tyre	size 19.5 x 25
Standard tyre	Tubeless 23.5 x R25
WEIGHT	
Weight (unladen)	22 240 kg
Front Rear	12 155 kg
Total laden weight	10 085 kg 16 890 kg
C	



GENERAL DIMENSIONS 327B



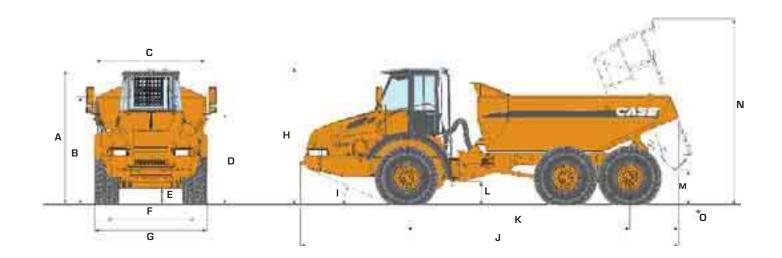
A Overall height	m	3.65
B Height to side of load body	m	2.70
C Load body width	m	2.50
D Height to load bed end	m	2.39
E Ground clearance - rear differential	m	0.47
F Tread width - centre to centre	m	2.36
G Overall width	m	2.86
H Height to top of cab	m	3.62
Approach angle		23°
J Overall length	m	10.03
K Wheelbase	m	5.91
L Ground clearance @ articulation point	m	0.65
M Dump clearance	m	0.95
N Maximum height - dumping position	m	6.23
Rear dumping clearance	m	0.35

ENGINE	
ModelCase	e Family IV 10 liter, Tier III certified
Type4-stroke,	variable geometry, turbocharged
	and air to air cooled diesel
Cylinders	In-line 6 125 x 140 mm
Bore/stroke	125 x 140 mm
Displacement	10.3 l
Aftercooler	Yes
Enginepower per SAE J1995	3/10 hn (360 k/M) @ 1000 nnm
Net	_ 349 hp (260 kW) @ 1900 rpm _334 hp (249 kW) @ 1900 rpm
	mNet 1650 Nm
TRANSMISSION	
Model	ZF 6WG260
Туре	Powershift
Torque converter	Lock up all gears
Torque converter ratio	2.08:1
Gears	6 forward/3 reverse n/h Reverse travel km/h
Forward travel Kr	n/h Reverse travel km/h
1st 5.4	5.4
2nd 8.4 3rd 13.2	13.2 30.0
4th 20.5	30.0
5th 30.0	- -
6th 46.6	_
	ar33.3%/66.7%
Drop box	
Gradeability	
BRAKES	
Service - calliper	_2 per wheel (front), 1 per wheel
Danking collings (1)	(rear) outboard disc (6)
Engine Proke	protected disc (1) on drive shaft
Transmission retarder (ontic	Turbo brake onal)
Transmission resards (open	onal)
TRANSFER BOX	
Mounting	Integral
Ranges	1
Front axle interlock	Dog Clutch type
EDONIT WALLEST END	0
FRONT WHEEL END	
Make/model	Kessler R81 PL488
Туре	Outboard Planetary
INTERMEDIATE AND	REAR DRIVE AXLES
	Kessler D81PL488
Type	Outboard Planetary
Axle	Limited slip
	- 1
CHASSIS	
Type	Front/rear box frame
Linkage	Universal joint

STEERING/ARTICULATION	ON
Frame connectionBa	all bearing with 2 ball races
	and 4 spherical joints
Articulation angle degrees	45°
Steering turns lock-lock	4.5
Secondary steering type	Ground driven
CUCDENCION	
SUSPENSION	
Front type	"A" frame plus tie-rod
Front suspensionRear type	Nitrogen-oil
Rear type	2-Rocking beams
Rear suspension	Hubber bush
LOAD BODY	
	Ribless
Body tipping angle deg	68°
Body tipping time to raise/lower	13/13 sec
Tip cylinders type	Multi stage
Power down	Yes. 1st stage
Loadover height	2820 mm
-	
PAYLOAD	
PayloadCapacity, struck	28 160 kg
Capacity, struck	13.7 m ³
Capacity, heaped SAE 2:1	17.6 m ³
CADACITICO	
CAPACITIES	2001
Fuel tankHydraulic reservoir	3801
Figure oil	2201
Engine oil	
Transmission Front wheel hubs	
Drive axles	3.01
Intermediate	15
Rear	13
TYRES	
Rim	5 section
Him	size 19.5 x 25
Standard tyre	Tubeless 23.5 R25
WEIGHT	
Weight (unladen)	22 570 kg
Front	12 000 kg
	10 570 kg
Total laden weight	50 730 kg



GENERAL DIMENSIONS 330B



A Overall height	m	3.65
B Height to side of load body	m	2.92
C Load body width	m	2.96
Height to load bed end	m	2.47
E Ground clearance - rear differential	m	0.47
F Tread width - centre to centre	m	2.36
6 Overall width	m	2.96
H Height to top of cab	m	3.62
Approach angle		23°
J Overall length	m	10.03
K Wheelbase	m	5.91
L Ground clearance @ articulation point	m	0.63
M Dump clearance	m	1.00
N Maximum height - dumping position	m	6.31
Rear dumping clearance	m	0.43





ENGINE			CHASSIS	
Model	Case Family	IV 13 liter, Tier III certified	Туре	Front/rear box fran
	4-s	troke, variable geometry, and air to aircooled diesel	Linkage	Universal joi
njection		Electronic	STEERING/ARTICULATIO	N
Cylinders		In-line 6 135 x 150 mm	Frame connectionBa	ll bearing with 2 ball rac
Bore/stroke		135 x 150 mm		and 4 spherical join
Displacement		12.9 l	Articulation angle degrees	4
Aftercooler		Yes	Steering turns lock-lock	4
inginepower per SAI	E J 1995		Secondary steering type	Ground driv
Gross	410 l	np (306 kW) @ 2100 rpm		
Vet	380 I	np (284 kW) @ 2100 rpm	SUSPENSION	
√laximum torque @ ′	1180 rpm	Net 1850 Nm	Front type	"A" frame plus tie-re
			Front suspension	Nitrogen-
TRANSMISSIO	N		Rear type	2-Rocking bean
Vlodel		ZF 6WG310	Rear suspension	Rubber bu
Type		Powershift		
Torque converter		Lock up all gears	LOAD BODY	
Torque converter rat	io	1.84:1 6 forward/3 reverse	Construction	Rible
Gears		6 forward/3 reverse	Body tipping angle deg	70
Forward t	ravel km/h	Reverse travel km/h	Body tipping time to raise/lower	11 / 13 s
	5.5	5.5	Tip cylinders type	Multi sta
2nd 8	3.6	13.4	Tip cylinders typePower down	Yes. 1st star
	3.4	30.6	Loadover height	3070 m
4th 2	0.9	-		
5th 3	0.6	-	PAYLOAD	
	7.5	-	Payload	31 500
		33.3%/66.7%	Capacity, struck	 15 r
Orop box		Gearbox Integrated	Capacity, heaped SAE 2:1	20 r
Gradeability		60% max. (27°)		
		,	CAPACITIES	
BRAKES			Fuel tank	440
Service - calliper	2	per wheel front axle and	Hydraulic reservoir	300
1 pc	er wheel rear ax	kle, outboard dry discs (6)	Engine oil	35
Parking - calliper (1)	Protected disc (1) on drive shaft (pneumatic)	Transmission	35.
		Turbo brake	Front wheel hubs	3
Transmission retard	 er		Front wheel ends	
			Drive axles	
TRANSFER BO	X		Intermediate	34
		Integral	Rear	 3:
Ranges		1		5
Front axle interlock		1 Dog Clutch type	TYRES	
			Rim	5 section
FRONT WHEEL	ENDS		Rimsize	25 x £
Make/model		ZF/RP17 Outboard Planetary	RimsizeStandard tyre	Tubeless 26.5 x R2
/ !!!646!				1000.000 E0.0 X111

_28 500 kg

_14 100 kg

_ 14 400 kg _60 000 kg

INTERMEDIATE AND DEAD DRIVE AXI ES

IIN I ERIVIEDIAI E AIND	REAR DRIVE AVEC
Make/Model	ZF/MT-D3105
Type	Outboard Planetary
Axle	Limited slip

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Courtesy of Machine.Ma	arket

WEIGHT

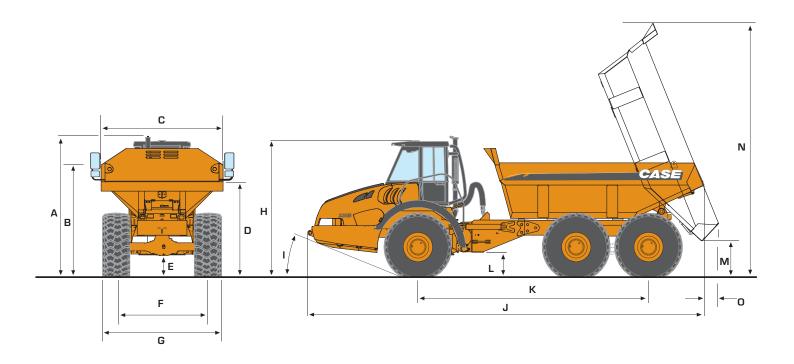
Rear

Front _____

Total laden weight_

Weight (unladen) ____

GENERAL DIMENSIONS 335B



A Overall height - top of muffler	m	3.80
B Height to side of load body	m	3.07
C Load body width	m	3.33
Height to load bed end	m	2.57
E Ground clearance - rear differential	m	0.54
F Tread width - centre to centre	m	2.52
G Overall width	m	3.19
H Height to top of cab	m	3.68
I Approach angle		21°
J Overall length	m	10.78
K Wheelbase	m	6.27
L Ground clearance @ articulation point	m	0.64
M Dump clearance	m	0.94
N Maximum height - dumping position	m	6.87
Rear dumping clearance	m	0.68

ENGINE	O	
Model	Case F	amily IV 13 liter, Tier III certified
Туре		4-stroke, variable geometry, irged and air to aircooled diesel
1.1	turbocha	rged and air to aircooled diesel
Injection		Electronic
Bore /stroke		In-line 6 135 x 150 mm
Displacement		12.9
Aftercooler		Yes
Enginepower p	er SAE J1995	
Gross		456 hp (340 kW) @ 2000 rpm
Net		_426 hp (318 kW) @ 2000 rpm
Maximum torq	ue @ 1180 rpm _.	Net 2000 Nm
TRANSMIS	SION	
Model		ZF 6WG310
Type		Powershift
Torque convert	er	Lock up all gears
Torque convert	er ratio	1.84:1 6 forward/3 reverse
Gears	wand that all less	6 forward/3 reverse h Reverse travel km/h
1st	5.9	5.9
2nd	9.1	14.3
3rd	14.3	32.6
4th	22.2	-
5th	32.6	-
6th	50.6	-
Torque proport	tion front/rear	33.3%/66.7%
Drop box		Gearbox Integrated
Gradeability _		60% max. (27°)
BRAKES Service Parking - calliper	(1) protected	Multiple discs, oil cooled disc (1) on drive shaft (pneumatic)
Engine Brake	_(.) p. coccou	Turbo brake
Transmission r	etarder	
TD 4 NOTE		
TRANSFER		
Mounting		Integral
Ranges		1 Dog Clutch type
I I OIIL AXIC IIILCI	IUUK	bog Glaten type
	HEEL ENDS	
Make/model_		ZF/RP17
Type		Outboard Planetary
INTERMED		REAR DRIVE AXLES

Make/Model____

Type_ Axle_

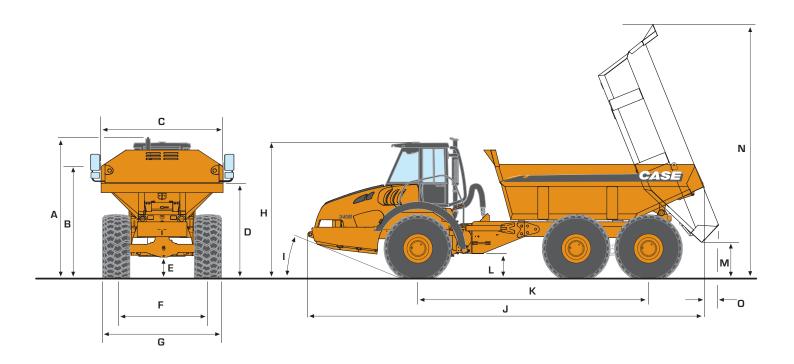
CHASSIS Type	Front/rear box frame
Linkage	Universal joint
STEERING/ARTICULATION Frame connectionBall b Articulation angle degrees Steering turns lock-lock	earing with 2 ball races and 4 spherical joints 45°
Secondary steering type	Ground driven
SUSPENSION Front type Front suspension Rear type Rear suspension	2-Rocking beams
LOAD BODY Construction Body tipping angle deg Body tipping time to raise/lower Tip cylinders type Power down Loadover height	11/13 sec Multi stage Yes, 1st stage
PAYLOAD Payload Capacity, struck Capacity, heaped SAE 2:1	36 000 kg 17 m³ 22 m³
CAPACITIES Fuel tank	3001 351 35.51 91
TYRES Rim Rim Standard tyre	
WEIGHT Weight (unladen) Front Rear Total laden weight	29 000 kg 14 340 kg 14660 kg



_ZFMT-D3105

Outboard Planetary
Limited slip

GENERAL DIMENSIONS 340B



A Overall height - top of muffler	m	3.84
B Height to side of load body	m	3.11
C Load body width	m	3.34
Height to load bed end	m	2.61
E Ground clearance - rear differential	m	0.58
F Tread width - centre to centre	m	2.60
6 Overall width	m	3.34
H Height to top of cab	m	3.72
Approach angle		22°
J Overall length	m	10.78
K Wheelbase	m	6.27
L Ground clearance @ articulation point	m	0.68
M Dump clearance	m	0.98
N Maximum height - dumping position	m	6.91
Rear dumping clearance	m	0.68

STANDARD EQUIPMENT & OPTIONS

- ROPS (SAE J1040-ISO 3471) FOPS (SAE J7231-ISO 3449) cab
- EPA off-road certified
- Heater/defroster/pressuriser Air conditioner
- Windshield wiper and washer, front and side
- Rear window protection grille
- Adjustable steering column
- Outside rear view mirrors
- Air suspension driver's seat
- 5 cm wide retractable seat belt
- Training seat Windshield sun shade
- Cup holder
- 24V to 12V converter

- Hourmeter
- Tachometer (rpm)
- Speedometer (mph and km/h)
- Fuel level
- Engine coolant temperature
- Engine oil pressure
- Transmission oil pressure
- Computer visual display unit

- Indicator lights

 Alternator charging
- Turn signal
- Service brake pressure
- Parking brake engaged
- Central longitudinal differential lock
- Dump body raised
- Warning lights test button

For 335B/340B

Rear longitudinal differential lock

- Two speed front wiper
- Front wiper washer
- Side winer washer
- Interior lights
- Horn
- 12-volt cigarette lighter w/ashtray
- Hazard warning
- Reverse alarm
- Hi-beam lights
- Turn signal

For 335B/340B Hydraulic retarder

- Tier III certified
- Engine turbo brake
- Electronic Fuel Injection
- Air cleaner pre-cleaner

- 24-volt system
- Head light, stop light, reverse light
- Front and rear turn signals/flashers
- Electrically operating tilt up hood
- 12-volt plús (2)
- 12-volt wiring for radio and CB
- For 327B/330B 140 amp hour batteries (2) - 1200 CCA
- 70 amp alternator For 335B/340B 170 amp hour batteries (2) - 1200 CCA

Flow amplified steering

90 amp alternator

- Hydraulic diagnostic quick couplers
- Emergency steering system
 Ground driven steering pump (1)

- Cold start aid Grid heater
- Cab tilting system
 For 327B/335B Centralised lube
- For 335B/340B
- Auto Lube System For 340B

OPTIONS

Wet brakes, oil cooled

Body

- Spillguard
- Body heating kit+spillguard
- Rock body
- Ultra heavy duty rock body
- Rear mechanical tail gate
- Body extensions

Tyres

- For 327B/330B 23.5R25 XADN 650/65R25 XADN
- For 335B 26.5R25 XADN Michelin
- For 340B 29.5R25 XADN Michelin

Transmission

For 330B

Hydraulic retarder

Operator's environment

Rotating Beacon

- Closed circuit TV (rear view camera & monitor)
 - Miscellaneous
- Ground line start
- 4 Work lights cab mounted
- Radio
- For 327B/330B Auto lube system
- For 330B/335B/340B Auto warm up with retarder
- For 335B/340B Auxiliary Tipping Brake
- For 330B Wet brakes, oil cooled

Standard and optional equipment shown can vary by country.

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

No. 29, Industrial Premises, No. 376. De Bao Road, Waigaoqiao Ftz, Pudong, SHANGHAI, 200131, P.R.C.



The call is free from a land line. Check in advance with your Mobile Operator if you will be charged.

NOTE: Standard and optional fittings can vary 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



Conforms to directive 98/37/CE

CASE Construction Equipment CNH UK Ltd

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