

SEA



PRODUCT RANGE

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NEW HOLLAND BRAND

RELIABLE CONSTRUCTION EQUIPMENT SOLUTIONS FOR YOUR BUSINESS

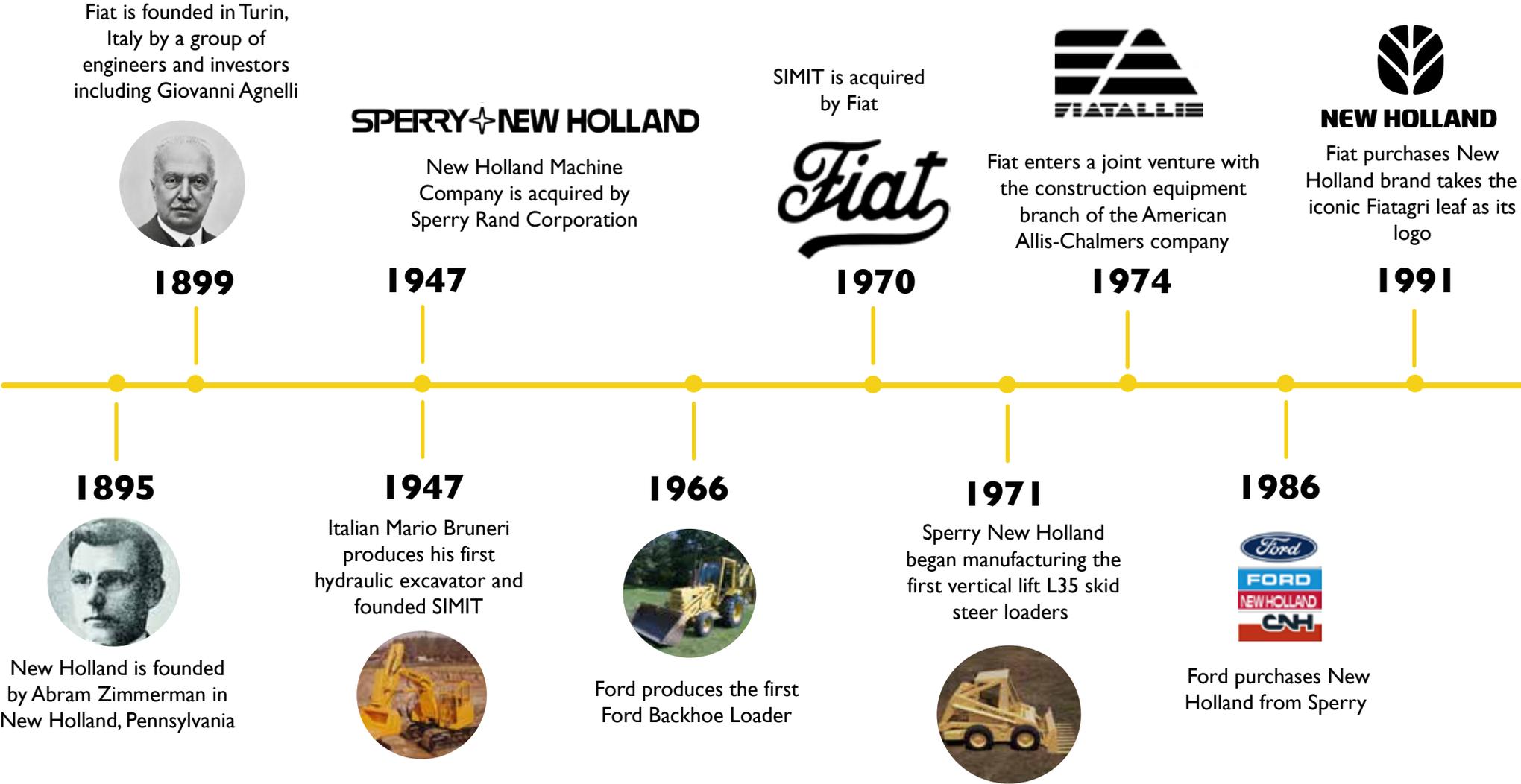
New Holland Construction offers multiple solutions for the needs of today's construction industry. Our long-term tradition of paying close attention to the demands of our customers and understanding their needs has allowed us to focus on the design and production of machines perfectly suited to enterprises and organizations operating not only in construction, but also in industries such as infrastructure, road maintenance, industrial applications, rental, agriculture and forestry. The New Holland product line has the right machine for the job, whatever the complexity and the requirements of the application.

New Holland skid steer, compact track loaders, backhoe loaders, crawler excavators and compactors deliver a cost-effective and fast performance in construction work.



OUR HERITAGE

New Holland Construction, a brand of CNH Industrial, is a global player in the construction equipment industry with more than 120 years of experience in the design, manufacture and sales of machines widely used in construction projects, industrial applications, rental and agriculture.





New Holland extends its product offering with the acquisition of O&K

1998

The New Holland Construction brand is formed



2005

CNH Global becomes CNH Industrial



2013



New Holland Construction returns to ConExpo

2023

1993

Ford New Holland Construction merges with Fiat-Hitachi Construction



1999



New Holland and CASE merge to create CNH Global

2007

New Holland Construction begins marketing products from New Holland, Fiat-Kobelco, Kobelco, and O&K



2021

CNH Industrial acquires excavator manufacturer, Sampierana



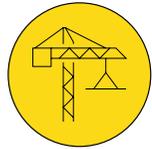
2023



Launch of the brand's first electric equipment, the E15X

APPLICATIONS

Reliable, quality and efficient performance in a variety of applications.



CONSTRUCTION



INFRASTRUCTURE



IRRIGATION



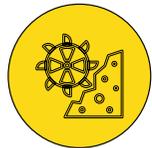
INDUSTRIAL



AGRICULTURE



MINING



QUARRYING



FORESTRY



RENTAL



THE RIGHT EQUIPMENT FOR PRODUCTION

New Holland's commitment to continuous quality improvement in all aspects of construction work aims to ensure comfort and safety, increase productivity and environmental protection, and reduce operating costs in all stages of the machine's life cycle.

KEY APPLICATIONS	SKID STEER & COMPACT TRACK LOADERS	BACKHOE LOADERS	CRAWLER EXCAVATORS	COMPACTORS
Construction	●	●	●	●
Infrastructure	●	●	●	●
Irrigation/channel clearing	●	●	●	●
Industrial application	●	●	●	●
Agriculture	●	●	●	
Mining			●	●
Quarrying			●	●
Forestry	●	●		
Rental	●	●	●	●

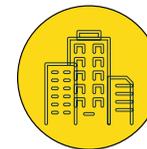
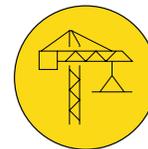
SKID STEER AND COMPACT TRACK LOADERS

POWERFUL AND COMPACT

New Holland skid steer and compact track loaders deliver a superior performance with an operating capacity ranging from 590 to 1,210 kg and dump heights from 2 to 2.50 m. With their compact size, exceptional all-round visibility and maneuverability, you can get the job done quickly in the tightest of spaces without sacrificing comfort or safety. The smallest model in the family is less than 2m high and just over 1.5m wide, so that it can easily negotiate the narrowest openings and driveways. With excellent dump height and reach, vertical lift models deliver material directly to the middle of a trailer or distribution hopper, making loading easy and efficient. The excellent weight balance and stability of the machine, together with the powerful hydraulic system speed up work cycles and guarantee high productivity. The comfortable and safe cab features industry-leading ergonomics and interior space, plus full all-round visibility and zero blind spots.



- Construction
- Infrastructure
- Irrigation/channel clearing
- Industrial application
- Agriculture
- Forestry
- Rental





Best-in-class dump height and reach

The vertical lift boom enables the operator to dump material much further and higher. Exceptional front reach makes it easy to load sided dump trucks or move materials around the warehouse.



Top-ranking breakout force

Vertical lift models are ideal for loading, handling and lifting applications. They are used for loading dump trucks (due to the greater reach of the boom and the dumping angle), for maintenance of shopping center areas, construction of cottage settlements, street cleaning, and waste processing. Ideal for lifting and transportation with pallet forks.



Comfortable and safe cab

Maximum legroom and headroom in our cab ensures the highest level of comfort for the operator. The quiet operation of the machine benefits the operator and people in the vicinity.



Easy maintenance

Nothing could be easier than servicing the 300 Series Skid Steer Loaders. Engine and hydraulic oil fillers and daily service points are grouped together for easy access at the rear of the machine from ground level.

MODELS		L313	L315	L318	L320	L323	L325	L330	C327	C332	C338
Engine, manufacturer		PERKINS	PERKINS	PERKINS	PERKINS	FPT	FPT	FPT	FPT	FPT	FPT
Gross power per SAE J1349	kW/hp @ rpm	36/49 2800	45/61 2800	45/61 2900	45/61 2900	55/75 2500	61/83 2500	67/91 2500	55/75 2500	61/83 2500	67/91 2500
Net power	kW/hp @ rpm	34/46 2800	42/57 2800	42/57 2900	42/57 2900	51/69 2500	57/78 2500	63/86 2500	51/69 2500	57/78 2500	63/86 2,500
Maximum torque @ 1,800 (PERKINS) or 1,400 (FPT) rpm	N-m	143	171	171	171	275	305	340	275	305	340
Operating weight	kg	2300	2430	2690	2930	3350	3580	3765	3750	4370	4581
Boom lift geometry		Radial	Radial	Vertical	Vertical	Vertical	Vertical	Vertical	Radial	Vertical	Vertical
Rated load capacity (50% of the tipping load for skid steer loaders and 35 % – for compact track loaders)	kg	590	680	818	905	1020	1135	1360	860	1018	1209
Travel speed range, (low/high)*	km/h	12.7/18.0	12.7/18.0	13.5/20.0	13.5/20.0	11.3/16.9	11.3/16.9	11.3/16.9	8.9/12.9	8.2/12.9	8.9/12.9

* Depends on the tire size

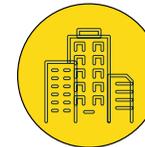
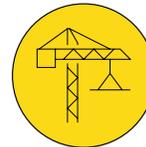
BACKHOE LOADERS

VERSATILE AND EFFECTIVE

The versatile and powerful New Holland backhoe loaders is a true multi-purpose machine that can perform a vast range of tasks. The range offers five models with power from 72 to 82 kW. At the high end of the range is the B115C that features equal-size wheels and all-wheel steering, including crab steering. Whether moving materials or laying road trenches, these machines perform quickly, easily, and without delays for readjustment or adaptation. In addition to its extreme versatility and productivity, these backhoe loaders benefit the customers with lower operating costs resulting from low fuel consumption and easy maintenance.



- Construction
- Infrastructure
- Irrigation/channel clearing
- Industrial application
- Agriculture
- Forestry
- Rental





Low consumption engine



Low operation costs



Operator cabin: the best in the range

The engine is the core of a backhoe loader. That is why we design and make our own engines. This allows us to fine-tune each engine so that your machine delivers the best performance and lowest fuel consumption.

A fuel-efficient engine, efficient hydraulic system, reliable, time-tested components, and easy and safe maintenance – all add up to significant savings for you, even under the most demanding machine use.

Climbing aboard a New Holland backhoe loader, you will find yourself in a comfortable, well-organized working environment with noise level as low as 77 dB(A). All loader controls are located on one joystick under the right hand. The fully adjustable luxury seat rotates 180 degrees to control the excavating equipment.

MODELS		B80C CP	B80C SS	B90C	B100C	B110C	B115C
Sourcing		India	India	Italy	Italy	Italy	Italy
Engine, manufacturer		FPT	FPT	FPT	FPT	FPT	FPT
Displacement	l	3.9	3.9	4.5	4.5	4.5	4.5
Gross power per ISO 14396 @ 2,200 rpm	kW/hp	72/96	72/96	72/97	72/97	82/110	82/110
Net power @ 2,200 rpm	kW/hp	70/94	70/94	71/95	71/95	81/108	81/108
Maximum torque	N·m @ rpm	420 1300	420 1300	420 1250	453 1400	516 1400	516 1400
Operating weight	kg	7310	7730 - 8290	8,080	8680	9100	9430
Forward/reverse travel speed	km/h	39.2/24.8	39.2/24.8	39/46	39/46	38/26	42/29
Loader Arm		Straight	Straight	Straight	Parallel	Parallel	Parallel

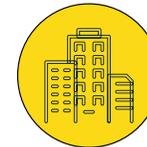
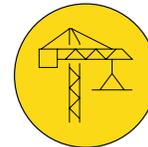
CRAWLER EXCAVATORS

POWERFUL AND VERSATILE

The powerful New Holland crawler excavator is perfectly suited to every application. The 22-ton machine delivers a highly efficient and versatile performance with its electronically controlled engine with gross power of 117 kW, three power modes, and ten auxiliary hydraulic settings. It is available with arm lengths of 1.9m, 2.4m and 2.9m, and boom length of 5.7m, and a range of bucket sizes to meet the different material density, application and customer requirements. The 6.8 dumping height ensures safe loading of a high-body dumper. The telematics system and on-board diagnostics system helps customers to maximize machine uptime. With all these features, together with a maximum travel speed of 5.6 km/h and a swing speed of 11.5 rpm, productivity is ensured.



- Construction
- Infrastructure
- Irrigation/channel clearing
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- Rental



		E215C	E215C LC
ENGINE			
Model		FPT F4HE0687A*J105	
Type		Water-cooled, 4-cycle diesel, 6-cylinder in line, electronically controlled, high pressure common rail system, turbocharger, air cooled intercooler	
Displacement	l	6.727	
Emission certified		Tier 3	
Bore/Stroke	mm	104 x 132	
Max Horsepower ISO 14396 GROSS		117 kW	
	Imperial	min ⁻¹	157 hp
	Metric	min ⁻¹	159 hp
Maximum torque ISO 14396 GROSS	min ⁻¹	622 Nm @ 1800	
HYDRAULIC SYSTEM			
Type		2 variable displacement axial piston pumps with regulating system	
Max oil flow	l/min	2x21 l @ 1800 min ⁻¹	
Working circuit pressure:			
Boom/Arm/Bucket circuit	MPa	34.3	
Boom/Arm/Bucket circuit (with auto power up)	MPa	36.8	
Swing circuit	MPa	29.4	
Travel circuit	MPa	34.3	
SWING			
Maximum swing speed	min ⁻¹	11.5	
Swing torque	N-m	64,400	
FILTERS			
Suction filter	µm	105	
Return filter	µm	6	
Pilot line filter	µm	8	
TRAVEL			
Pre Filter		10 µm	
Travel motor		Variable displacement axial piston motor	
Max travel speed	km/h	5.6	
Low travel speed	km/h	3.4	
Gradeability		70% (35°)	
Drawbar pull	kN	205	

		E215C	E215C LC
ELECTRICAL SYSTEM			
Circuit	V	24	
Alternator	Amp	70	
Starter motor	kW	4.0	
Battery		2 x 12V 110Ah	
UNDERCARRIAGE			
Number of carriers rollers (each side)		2	
Number of track rollers (each side) (E215C / E215C LC)		7/8	
Number of shoes (each side) (E215C / E215C LC)		46/49	
Type of shoe		Triple grouser shoe	
CAPACITIES			
Fuel tank	l	458	
Hydraulic system	l	295	
Cooling system	l	25	
Engine Crank	l	16.5	
Hydraulic Tank capacity	l	162	
WEIGHT AND GROUND PRESSURE		2.94 m arm, 1.0 m ³ bucket, 600mm with triple track guard, operator, lubricant, coolant and full fuel tank	
Operating Mass	Kg	21,725	22,460
Ground Pressure	MPa	0.049	0.046
		2.94 m arm, 1.0 m ³ bucket, 800mm with triple track guard, operator, lubricant, coolant and full fuel tank	
Operating Mass	Kg	22,230	22,875
Ground Pressure	MPa	0.037	0.036

COMPACTORS

PRODUCTIVE AND DURABLE

The New Holland compactor is equally at home in road building and construction jobsites, as well as mining operations, with features designed to improve the customer's profitability and facilitate the operator's life on board. The powerful turbocharged engine delivers 110 hp at 2300 rpm and 430 Nm maximum torque at 1400 rpm, with excellent fuel economy. Available in two configurations, it delivers an excellent performance on every type of surface. The plate-and-bar radiator ensures improved reliability and engine durability with its resistance to high compaction vibrations. The easy maintenance from ground level results in more uptime and productivity.



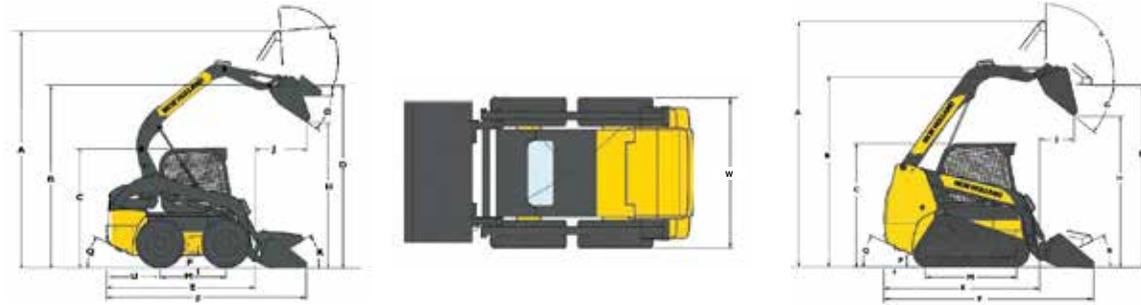
- Construction
- Infrastructure
- Irrigation/channel clearing
- Industrial application
- Mining
- Quarrying
- Rental



SPECIFICATIONS		
ENGINE		V1110D
Make & Model		FPT S8000 - TIER 3
Type		4 Stroke turbocharged aftercooled
Number of Cylinders		4
Displacement	l	3,9
Bore/Stroke		104 x 115
Max. power @ 2300 rpm	hp	110
SERVICE CAPACITIES		
Fuel tank	l	235
Hydraulic tank	l	70
Engine crank CASE	l	9,1
Engine coolant	l	15
STEERING		
Steering System	l	Articulated Hydrostatic steering
VIBRATION SYSTEM		
Type	l	variable displacement piston pump
Frequency	Hz	31/34
Amplitude	mm	0,8/1,8
Centrifugal force	kg	26815

DIMENSIONS & SPECIFICATIONS

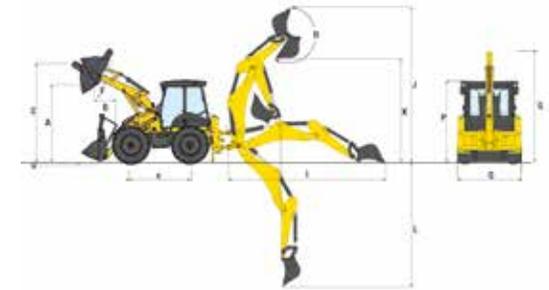
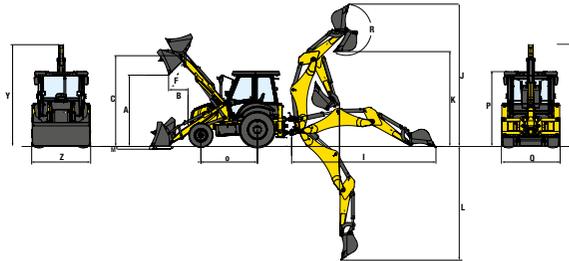
SKID STEER AND COMPACT TRACK LOADERS



GENERAL DIMENSIONS											
MODELS		L313	L315	L318	L320	L323	L325	L330	C327	C332	C338
A – overall height with LPE (Low Profile Extended) bucket	mm	3859	3859	4055	4080	4287	4287	4326	4181	4298	4298
B – bucket hinge pin height at max. boom lifting	mm	2845	2845	3048	3073	3290	3290	3330	3178	3330	3330
C – cab height to rollover protection structure (ROPS)	mm	1919	1919	1974	1998	2004	2004	2044	1998	2044	2044
D – height to bucket bottom at max. boom lifting	mm	2682	2682	2877	2902	3115	3115	3156	2976	3125	3125
E – overall length without attachment	mm	2435	2435	2685	2669	2993	2987	2978	2662	2979	2972
F – overall length with LPE (Low Profile Extended) bucket	mm	3297	3297	3585	3569	3864	3858	3849	3512	3830	3823
G – bucket dump angle	°	40	40	52	52	54.7	54.7	54.7	38.1	54.6	54.6
H – dump height with LPE (Low Profile Extended) bucket	mm	2073	2073	2214	2239	2453	2453	2494	2410	2492	2492
J – dump reach with LPE (Low Profile Extended) bucket	mm	675	675	946	921	974	974	929	745	1030	1030
K – max. rollback, bucket at ground level	°	26.1	26.1	35	35	33.6	33.6	33.1	31	33.2	33.2
L – max. rollback, bucket at full height	°	95.2	95.2	87.6	87.6	84.8	84.8	84.8	99.9	84.9	84.9
M – wheelbase	mm	941	941	1128	1128	1322	1322	1322	-	-	-
P – ground clearance	mm	178	178	178	203	204	204	244	207	244	244
Q – angle of departure	°	22	22	23	25	23.5	23.5	26.5	32	32	32
U – rear axle to bumper	mm	858	858	924	924	1042	1,036	1036	-	-	-
W – overall width, factory-installed tires	mm	1518	1518	1642	1755	1773	1773	1875	1676	1943	1943

SPECIFICATIONS											
PERFORMANCE		L313	L315	L318	L320	L323	L325	L330	C327	C332	C338
Rated load capacity, 50 % of the tipping load for skid steer loaders	kg	590	680	818	905	1020	1135	1360	1225	1451	1723
Rated load capacity, 35 % of the tipping load for compact track loaders	kg								860	1018	1209
Tipping load	kg	1179	1361	1633	1814	2045	2268	2722	2449	2902	3447
Breakout force, lift cylinder	kN	12.7	14.1	11.7	15.3	22.6	22.6	28.2	27.8	21.8	27.2
Breakout force, bucket cylinder	kN	18.6	18.6	24.7	32.5	38.3	38.3	38.3	32.3	32.7	32.7
WEIGHT											
Operating weight	kg	2300	2430	2690	2930	3350	3580	3765	3750	4370	4581
Transportation weight	kg	2160	2300	2695	2795	3200	3430	3610	3615	4220	4430
ENGINE											
Manufacturer		PERKINS	PERKINS	PERKINS	PERKINS	FPT	FPT	FPT	FPT	FPT	FPT
Engine model		404D-22	404D-22T	404D-22T	404D-22T	F5C E5454 G*A001	F5C E5454 B*A005	F5C E5454 C*A003	F5C E5454 G*A001	F5C E5454 B*A005	F5C E5454 C*A003
Displacement	l	2.2	2.2	2.2	2.2	3.2	3.2	3.2	3.2	3.2	3.2
Gross Power per SAE J1349	kW/hp @ rpm	36/49 2800	45/61 2800	45/61 2900	45/61 2900	55/75 2500	61/83 2500	67/91 2500	55/75 2500	61/83 2500	67/91 2500
Net power	kW/hp @ rpm	34/46 2800	42/57 2800	42/57 2900	42/57 2900	51/69 2500	57/78 2500	63/86 2500	51/69 2500	57/78 2500	63/86 2500
Max. torque	N·m	143 @ 1800 rpm	171 @ 1800 rpm	171 @ 1800 rpm	171 @ 1800 rpm	275 @ 1400 rpm	305 @ 1400 rpm	340 @ 1400 rpm	275 @ 1400 rpm	305 @ 1400 rpm	340 @ 1400 rpm
Emission standard		Tier 3	Tier 3	Tier 3	Tier 3	Tier 3	Tier 3				
TRAVEL SPEED											
Low range	km/h	12.7	12.7	12.7	13.5	11.3	11.3	11.3	8.9	8.9	8.9
High range (optional)	km/h	18	18	18	20	16.9	16.9	16.9	12.9	12.9	12.9
HYDRAULIC SYSTEM											
Standard flow @ 210 bar	lpm	59	59	72	72	85	85	85	85	85	85
High flow @ 210 bar	lpm	-	-	109	109	131	131	131	116.6	131	131
Extra high flow @ 276 bar	lpm	-	-	-	-	-	-	132.5	-	-	132.5
CYCLE											
Boom lift	s	3.5	3.5	2.8	3.5	3.9	3.9	4.6	3.7	3.9	4.6
Boom lowering	s	2.2	2.2	2.3	2.3	2.5	2.5	2.7	1.9	2.5	2.7
Bucket reset	s	2	2	2.1	2.6	2.7	2.7	2.7	2.3	2.7	2.7
Discharge	s	1.4	1.4	1.5	2	2	2	2	1.7	2	2
FLUIDS CAPACITIES											
Fuel tank	l	60.5	60.5	75.7	75.1	96.5	96.5	96.5	75.7	96.5	96.5
Engine oil	l	7.1	7.1	7.1	7.1	9.5	9.5	9.5	9.5	9.4	9.4
Hydraulic oil (with filter)	l	29.2	29.2	38.1	38.1	45.4	45.4	45.4	38.1	45.4	45.4
Track chain oil (each side)	l	6.25	6.25	7.4	7.4	22.2	22.2	22.2	-	-	-
Coolant	l	15.6	15.6	15.6	15.6	19	19	19	17	19	19
ELECTRICAL SYSTEM											
Alternator	V,A	14, 120	14, 120	14, 120	14, 120	14, 120	14, 120	14, 120	14, 120	14, 120	14, 120
Starter	V, kW	12, 2.0	12, 2.0	12, 2.0	12, 2.0	12, 3.2	12, 3.2	12, 3.2	12, 3.2	12, 3.2	12, 3.2
Battery	V	12, 950 CCA	12, 950 CCA	12, 950 CCA	12, 950 CCA	12, 950 CCA	12, 950 CCA				

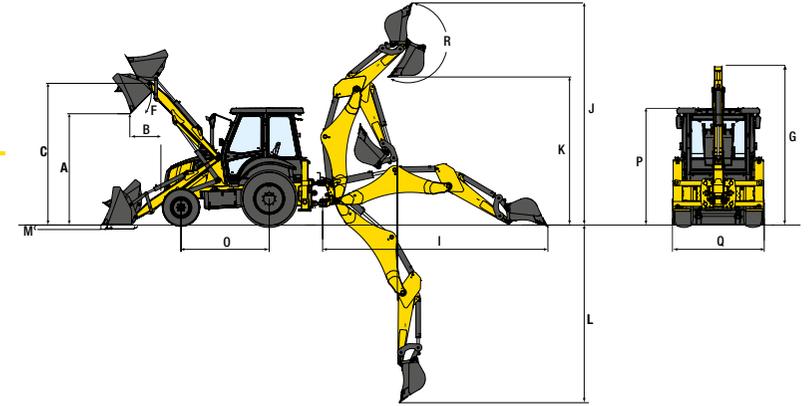
DIMENSIONS & SPECIFICATIONS BACKHOE LOADERS



LOADER (4WD configuration)		B90C - B100C - B110C		B90C - B110C		B115C		
		TOOL CARRIER LOADER ARM		STRAIGHT LOADER ARM		TOOL CARRIER LOADER ARM		
		STD BUCKET	4X1 BUCKET	STD BUCKET	4X1 BUCKET	STD BUCKET	4X1 BUCKET	
A	Maximum dump height under bucket at 45°	mm	2606	2665	2711	2733	2708	2619
B	Dump Reach at full height	mm	844	771	815	757	799	587
C	Maximum height pin	mm	3461		3498		3478	
F	Dump angle	°	43		40		56	
M	Below ground level digging depth	mm	166	139	105	158	93	127
	Maximum lifting capacity @ ground level	kg	5670		4970		4770	
	Maximum lifting capacity @ max height	kg	3678		3553		3380	
	Loader breakout force	daN	3015		3625		3554	
	Bucket breakout force	daN	4062	4076	6340	6220	5411	5497
BACKHOE		B90C - B100C - B110C		B115C				
		IN-LINE CYLINDER				IN-LINE CYLINDER		
		STD DIPPER	EXTENDABLE DIPPER	STD DIPPER	EXTENDABLE DIPPER	STD DIPPER	EXTENDABLE DIPPER	
	Backhoe size	ft	14		15		15	
	Swinging angle	°	180				180	
I	Maximum reach from swing center	mm	5579	6313	5831	6965	5831	6965
J	Maximum operating height	mm	5425	6173	5616	6348	5616	6348
K	Maximum loading height	mm	3658	4424	3867	4601	3867	4601
L	Maximum digging depth	mm	4385	5627	4666	5881	4666	5881
R	Bucket rotation	°	203				203	
OVERALL DIMENSIONS		B90C - B100C - B110C		B115C				
G	Boom height (transport position)	mm	3800	3882	3800	3882	3922	4013
O	Wheel base	mm	2183				2200	
P	Cab height	mm	2859				2964	
Q	Overall width with standard loader bucket	mm	2340		2394		2452	
	Minimum ground clearance	mm	337				450	

SPECIFICATIONS								
		B90C	B100C	B110C		B115C		
ENGINE								
Injection system		Direct Mechanical	High Pressure Common Rail					
Emissions level		Tier 3						
# of cylinders		4						
Bore / Stroke	mm	104 x 132						
Engine speeds	rpm	2200 (rated speed at full load) / 950-1000 (low speed at no load)						
TRANSMISSION								
Type		Powershuttle 2WD or 4WD	Powershuttle 4WD	Powershift 4WD	Powershuttle 4WD	Powershift 4WD	Powershift 4WD - 4WS	
Model		Carraro TLB1 MPB 2WD or 4WD	Carraro TLB1 MPB 4WD	Carraro TLB2 MPB 4WD	Carraro TLB1 MPB 4WD	Carraro TLB2 MPB 4WD	Carraro TLB2 MPB 4WS	
FRONT AXLE								
Model		2WD / 4WD Heavy duty	4WD Heavy duty				4WD with limited slip differential	
Oscillation		+/- 11°				+/- 8°		
REAR AXLE								
Model		Carraro 28.44FR with Differential lock			Carraro 28.50FR with Differential lock		Carraro 26.43FR with limited slip differential	
BRAKES								
Service brakes		Hydraulic foot operated, 2 discs per side					Hydraulic foot operated, 3 discs per side	
Parking brakes		Mechanically actuated wet brake pack on transmission output shaft						
TIRES								
Front		16" (2WD) - 18" or 20" (4WD)	18" or 20"				24" or 28"	
Rear		26" or 28" (4WD)	26" or 28" or 30"				24" or 28"	
STEERING								
Type		Hydraulic Power Steering						
System pressure / Displacement	bar/cc	180 / 160						
Turning radius 4WD (external radius)	mm	With 18" tires: 4300 with brakes off 3600 with brakes on	4300 with brakes off 3600 with brakes on			8180 mm in 2WS mode with brakes off; 6820 mm in 2WS mode with brakes on; 4810 mm in 4WS mode with brakes off		
HYDRAULIC SYSTEM								
Type		Load sensing closed center hydraulic system with twin gear pump	Load sensing closed center hydraulic system with twin gear pump	Load sensing closed center hydraulic system with variable displacement pump	Load sensing closed center hydraulic system with twin gear pump	Load sensing closed center hydraulic system with variable displacement pump	Load sensing closed center hydraulic system with twin gear pump	Load sensing closed center hydraulic system with variable displacement pump
Flow (@ 2200 rpm)	l/min	156	156	15 to 156	167	15 to 165	167	15 to 165
Pressure	bar	205						
SERVICE CAPACITIES								
Engine oil	l	13.6						
Transmission oil 2WD/4WD	l	18.5/20.8	20.8					
Front axle 4WD oil	l	9.6				11.8		
Rear axle oil	l	16.3			17.8		12.3	
Hydraulic oil	l	132						
Fuel tank	l	132						
Coolant	l	24						
CAB								
Certification		ROPS / FOPS						
Air Conditioning		Optional						
Speedometer		Optional						
Bluetooth radio		Optional						

DIMENSIONS & SPECIFICATIONS BACKHOE LOADERS

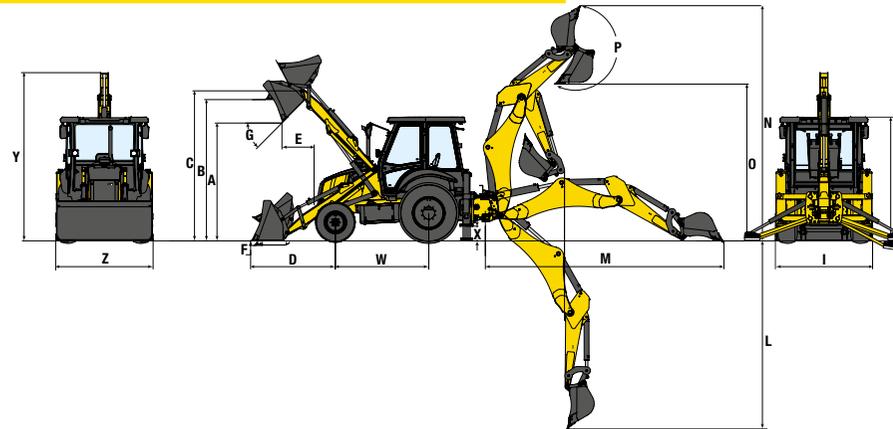


			B80C SS			
LOADER (4WD configuration)			STRAIGHT LOADER ARM		TOOL CARRIER LOADER ARM	
			STD BUCKET	4X1 BUCKET	STD BUCKET	4X1 BUCKET
A	Maximum dump height under bucket at 45°	mm	2720	2745	2640	2652
B	Dump Reach at full height	mm	760	669	855	835
C	Maximum height pin	mm	3580		3420	
F	Dump angle	°	45		45	
M	Below ground level digging depth	mm	110	100	150	164
	Maximum lifting capacity @ full height	kg	3425		3934	3572
	Loader breakout force	daN	6192		5703	5747
	Bucket breakout force	daN	6129		7352	7586
BACKHOE			IN-LINE CYLINDER			
			STD DIPPER	EXTENDABLE DIPPER	STD DIPPER	EXTENDABLE DIPPER
	Backhoe size	ft	14'		15'	
	Swinging angle	°	180		180	
I	Maximum reach from swing center	mm	5657	6739	5927	7024
J	Maximum operating height	mm	5489		5675	6405
K	Maximum loading height	mm	3644		3820	4548
L	Maximum digging depth	mm	4400		4700	5892
R	Bucket rotation	°	204		7730-8290	
	Bucket breakout force	daN	5606	5616	5616	
	Dipper breakout force	daN	4286	2931	3780	2696
OVERALL DIMENSIONS						
G	Boom height (transport position)	mm	3800			
O	Wheel base	mm	2175			
P	Cab height	mm	2830			
Q	Overall width with standard loader bucket	mm	2277			
	Minimum ground clearance	mm	380			

SPECIFICATIONS	
ENGINE	B80C SS
Make and Model	S8000 BS-3 Certified-8045.45.748
Injection system	Direct Injection, Turbo charged Intercooler
Emissions level	Tier 3
# of cylinders	4
Bore / Stroke	104 mm x 115 mm
Displacement / Compression ratio	3.9 L
Rated Power Gross (ISO 14396)	96 hp (72 kW) @ 2200 rpm
Rated Power Net (ISO 14396)	94 hp (70 kW) @ 2200 rpm
Maximum torque (ISO 14396)	420 Nm @ 1300 rpm
Engine speeds	2200 rpm (rated speed @ full load)
TRANSMISSION	
Type	Manual shift, 4 speed, Fully sync.
Model/Make 2WD	Carraro 2WD TLBI
Model/Make 4WD	Carraro 4WD TLBI
	16.9-28, 12 PR Rear Tires
Forward travel speeds	6.2 - 10 - 20.7 - 39.2 km
Reverse travel speeds	7.4 - 12 - 24.8 - N/R* km
FRONT AXLE	
Model/Make 2WD	CNH PS 1300
Oscillation 2WD	21°
Model/Make 4WD	Carraro 26.17 M
Oscillation 4WD	16°
REAR AXLE	
Model/Make	Carraro 28.32 M
BRAKES	
Service brakes	Hydraulic foot operated, 2 discs per side
Parking brakes	Mechanically actuated caliper type brake pack on rear axle input shaft
STEERING	
Type	Hydrostatic with integrated top valve
System pressure / Displacement	140 bar / 125 cc
Turning circle, diameter	2WD 4WD LH/RH
with brake (outside wheels)	6 m 8.0 / 7.5 m
without brake (outside wheels)	8.4 m 9.4 / 8.8 m

TIRES	
Front	16" or 18"
Rear	25" or 28"
HYDRAULIC SYSTEM	
Type	Load sensing, closed center hydraulic system
Flow @ 2200 rpm	145 l/min
Pressure	210 bar
SERVICE CAPACITIES	
Engine oil	8.6 l
Transmission oil	20 l
Front axle 4WD oil	8.9 l
Rear axle oil	17.1 l
Hydraulic oil	107 l
Fuel tank	129 l
Coolant	20 l
ELECTRICAL SYSTEM	
Voltage	12 V
Battery	Single: 130 Ah 720 A
Alternator	120 A
CAB	
Certification	ROPS / FOPS
Air Conditioning	Optional
Speedometer	Standard

DIMENSIONS & SPECIFICATIONS BACKHOE LOADERS

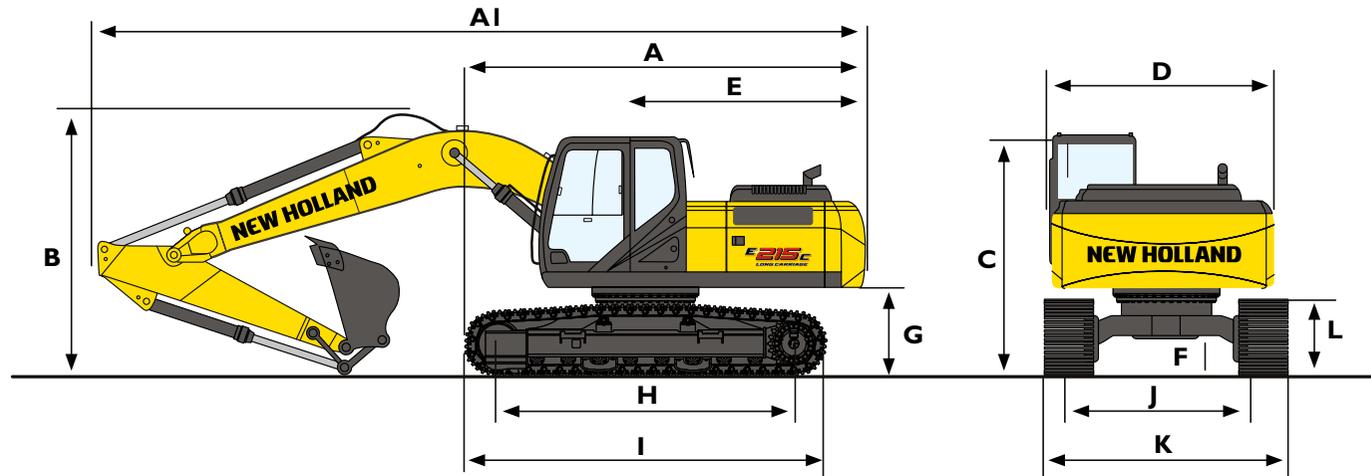


GENERAL DIMENSIONS			B80C CP
A	Dump height	mm	2720
B	Load over height	mm	3300
C	Hinge pin height	mm	3580
D	Reach at ground STD 1.0 CUM BUCKET	mm	1980
E	Reach at full height-bucket dumped	mm	760
F	Below ground level-dig depth	mm	110
G	Dump angle	°	45
	Maximum lifting capacity @ max height	Kg	3425
OVERALL DIMENSIONS AND WEIGHTS			
H	Cab height	mm	2825
I	Overall width	mm	2300
	Overall operating weight*	Kg	7310
W	Wheel base	mm	2175
X	Minimum ground clearance	mm	500
Y	Overall height (Transport)	mm	3790
Z	Width over bucket (Transport)	mm	2277
BACKHOE - STANDARD DIPPER			B80C CP (14°)
L	Max.dig depth	mm	4399
M	Reach ground level to swing center	mm	5625
N	Max working height	mm	5489
O	Max load over height	mm	3644
P	Bucket rotation	°	204
	Bucket breakout force (Max force hole)	daN	5616
	Dipper digging force	daN	4286

SPECIFICATIONS		
ENGINE		
Model		S8000 BS-3 - 8045.45.748
Type		Turbocharged aftercooler
Displacement / Compression ratio		3.9 l / 18.3:1
Bore/Stroke	mm	104 x 115
Horsepower - rated @ 2200 rpm	hp	96
Maximum torque @ 1300 rpm	Nm	420
Engine speeds		2200 rated speed, full load
POWER TRAIN		
Transmission		CARRARO 2WD TLBI or 4WD TLBI
Type		Power Shuttle with 4 forward and 4 reverse travel gears
Gear		Forward - Reverse (speed kmph)
1st - 2nd - 3rd -4th Speed		6.2/7.4 - 10/12 - 20.7/24.8 - 39.2/NR
FRONT AXLE		
2 Wheel Drive (Standard)		Model CNH PSI300
Type - Oscillation		+/- 10.5°
4 Wheel Drive (Optional)		Model CARRARO 26.17
Type - Oscillation		+/- 8°
REAR AXLE		
Model		CARRARO 28.32M
Type		Rigid
BRAKES		
Services brakes		Hydraulic foot operated, 2 disc per side
Parking Brakes		Type: Manual, with lever
TYRE SIZE RECOMMENDED		
2WD		9x16-16PR (front) and 16.9x28-12PR (rear)
4WD		12.5-18,12PR (front) and 16.9x28-12PR (rear)
HYDRAULIC SYSTEM		
Type		Open center with twin gear pump
Flow rate		145 lpm @ 2200rpm
Pressure	bar	210
STEERING		
Type		Power Steering
System pressure / Displacement		140 bar / 125cc
Turning radius (outside of the bucket)		5550 mm with brake
Tread width		1697 mm front
CABIN		
Certification		ROPS/FOPS
Air conditioning		Optional
SERVICE CAPACITIES		
Engine oil	l	8.6
Trasmission oil	l	20
Front axle oil	l	8.9
Rear axle oil	l	17.1
Hydraulic oil	l	107
Fuel tank	l	129
Coolant	l	20

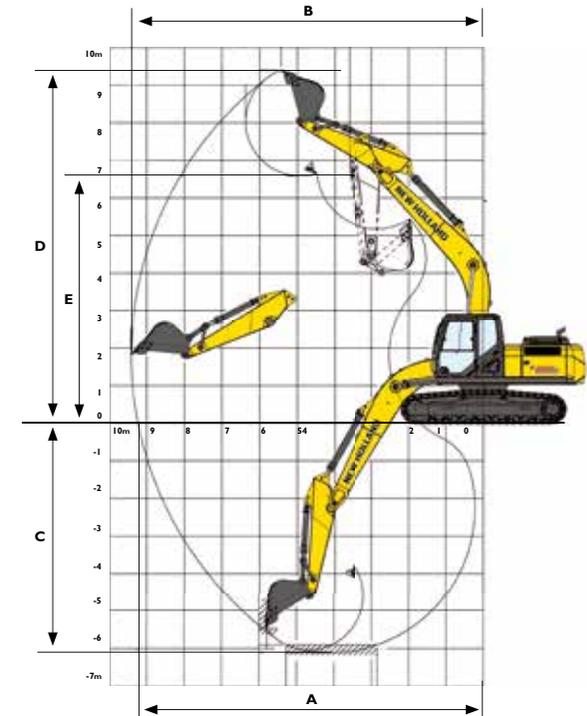
DIMENSIONS & SPECIFICATIONS

CRAWLER EXCAVATORS



GENERAL DIMENSIONS							
MODELS		E215C			E215C LC		
		Arm 1.90 m	Arm 2.40 m	Arm 2.94 m	Arm 1.90 m	Arm 2.40 m	Arm 2.94 m
A - Overall length (without attachment)	mm	4840	4840	4840	4985	4985	4985
AI - Overall length (with attachment)	mm	9520	9510	9430	9520	9510	9430
B - Overall height (with attachment)	mm	3008	3198	2980	3008	3198	2980
C - Cab height	mm	2950	2950	2950	2950	2950	2950
D - Upper structure overall width	mm	2770	2770	2770	2770	2770	2770
E - Swing (rear end radius)	mm	2780	2780	2780	2780	2780	2780
F - Minimum ground clearance	mm	440	440	440	440	440	440
G - Clearance height under upper structure	mm	1040	1040	1040	1040	1040	1040
H - Wheel base (Center to center of wheels)	mm	3370	3370	3370	3660	3660	3660
I - Crawler overall length	mm	4180	4180	4180	4470	4470	4470
L - Crawler tracks height	mm	920	920	920	920	920	920
J - Track gauge	mm	2200	2200	2200	2390	2390	2390
K - Undercarriage overall width (with 600 mm shoes)	mm	2800	2800	2800	2990	2990	2990

PERFORMANCE DATA				
MODELS		E215C / E215C LC		
		Arm 1.90 m	Arm 2.40 m	Arm 2.94 m
Boom length	mm	5700	5700	5700
Bucket radius	mm	1450	1450	1450
Bucket wrist action	°	177	177	177
A - Maximum reach at GRP	mm	8770	9240	9730
B - Maximum reach	mm	8910	9380	9870
C - Max. digging depth	mm	5610	6110	6650
D - Max. digging height	mm	9140	9410	9610
E - Max. dumping height	mm	6330	6590	6810
Arm digging force with auto power up, ISO	kN	152	132	110
Bucket digging force with auto power up, ISO	kN	152	152	152

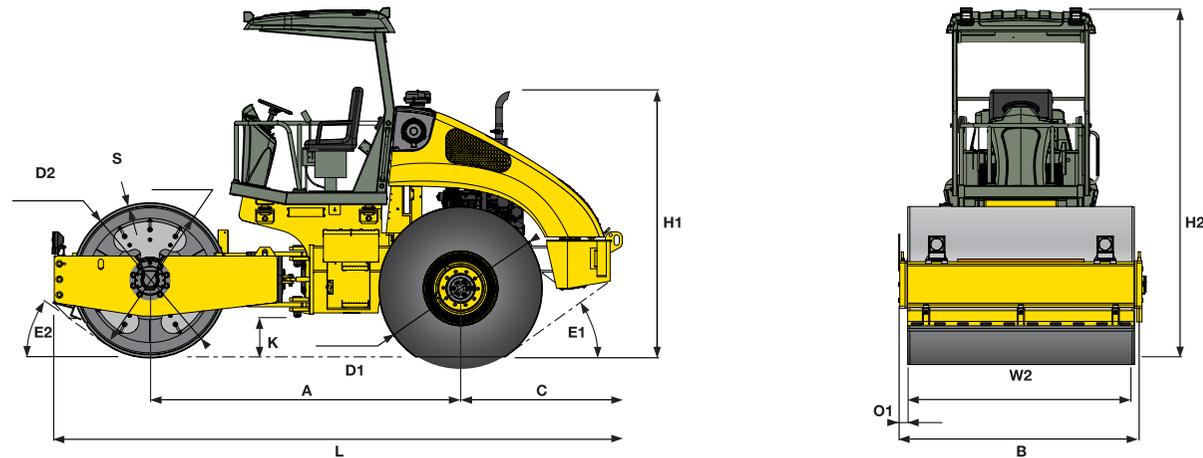


BUCKET SELECTION GUIDE				E215C			E215C LC			
Part Number	Bucket Cap (CuM)	Type	Application	Material Handled	1.90m Arm	2.40m Arm	2.94m Arm	1.90m Arm	2.40m Arm	2.94m Arm
481256008	1.00	GP	General	Earthwork	A	B	B	A	A	B
461852008	1.10	GP	Light Duty	Dry, Loose soil	B	C	C	B	C	C
488228008	0.94	HD	Heavy Duty	Stone Rubble	A	A	B	A	A	B

Density up to T/CuM: A=1.80, B=1.60, C=1.40

DIMENSIONS & SPECIFICATIONS

COMPACTORS



MODELS			
DIMENSIONS		V110D	
A – Horizontal distance from drum center to tyre center	mm	3003	
B – Overall width of the machine	mm	2324	
C – Rear overhang	mm	1562	
D1 – Diameter of the rear tyres	mm	1528	
D2 – Diameter of the drum	mm	1500	
H1 – Height of silencer from ground level	mm	2561	
H2 – Overall height of the machine (in transport)	mm	3373	
K – Ground clearance	mm	382	
L – Overall length of the machine	mm	5508	
O1 – Side overhang	mm	87	
S – Drum shell thickness	mm	32	
W2 – Overall width of the drum	mm	2150	
E1 – Rear departure angle	degree	36	
E2 – Front departure angle	degree	35	
OPERATING DATA*			
Operating weight	kg	11100	
Max operating weight	kg	12700	
Front axle load	kg	6470	
Rear axle load	kg	4630	
Static linear load front	kg/cm	30	
VIBRATION SYSTEM			
Vibration Stage		1	2
Frequency	Hz	31	34
Amplitude	mm	1.8	0.8
Centrifugal force	kg	26815	14826
Max. applied force	kg	33285	21296

* Canopy

Please note that weights and dimensions stated are considering 32mm thick drum. Weights and dimensions may vary within ±5%

VII10D		
ENGINE		
Make / Model		FPT / S 8000 - Tier III
Type		4 stroke turbocharged aftercooled
Cylinders		4
Bore / Stroke		104 x 115
Displacement	l	3,9
Fuel injection		Direct
Fuel		High speed diesel
Fuel filter		Spin-on type
Air intake		Turbocharged with internal EGR
Air filter		Spin-on type
Cooling		Liquid
Engine speed (no load)		
Low		950±50
High		2150±25
Max. power ISO3046	hp	110 @ 2300 rpm
Max. torque	Nm	430 @ 1400 rpm
VIBRATION SYSTEM		
Type		Variable displacement bi-directional axial piston pump with electrical displacement control
Drive to vibration pump		Mechanical
Engine to pump ratio		Direct drive 1:1
Displacement	cc/rev	34.4
Charge pressure	bar	27
Vibration motor		Fixed displacement mounted on drum
STEERING		
Steering system		Articulated hydrostatic steering
Steering angle		37° on either side (74° between stop to stop)
Turning radius (inner radius)	m	3.65
Drum oscillation angle		15°
Tyre size		23.1/18-26 - 8 PR or 12 PR tubeless
ELECTRICAL SYSTEM		
Alternator output	A	65
Battery	V/Ah	12/130
SERVICE CAPACITIES		
Fuel tank	l	235
Hydraulic tank	l	70
Engine crank case	l	9.1
Engine coolant	l	15

PROPULSION		
Type		Infinitely variable hydrostatic drive with variable displacement pump
Drive pump		Machanical
Engine to pump ratio		Direct drive 1:1
Type		Variable displacement bi-directional axial piston pump with manual displacement control
Displacement	cc/rev	75
Flow@rated engine	lpm	156
Charge pressure	bar	27
Drive motors		
Type		High speed low torque driving motor mounted on rear axle input shaft
For drum drive (optional)		Low speed high torque drive motor mounted on front drum frame along with rear axle motor
Hydraulic oil filter		Cartridge
Axle		Heavy duty with integrated parking brake mechanism and outboard planetary
Parking brake		Spring applied hydraulically released
Engagement		Operate on/off parking brake switch on instrument panel, engine stop
Machine speed		
Working speed	km/h	0-5.5
Travel speed	km/h	0-11.5
Final drive		High torque outboard planetary
Gradeability		
Without drum drive	%	31 (17°)
With drum drive	%	36 (20°)
Intermittent	%	40
INSTRUMENTATION		
Indicators		Parking brake, High/Low beam, Battery not charging, Two speed, Pre heater, Turn signal Left/Right, Neutral
Gauges		Digital hour meter, Water temp, Fuel level, Engine rpm
Warning lights/alarms		Coolant overheat, Hydraulic oil filter clog, Low lube oil pressure, Air filter clog
INSTRUMENTATION		
Sun roof, Horn, Front and rear working lights, 90° rotating operator seat, Guard rail structure on operator station, Tilting engine hood, Vandal guard, IP67 weather proof rocker switches, Instrument cluster, Glove box for operator, Easy split design of canopy legs for transportation, 32 mm drum shell thickness. VII10PD: Drum is mounted with 144 Pads, offering a total pad contact area of 413 sq. cm.		

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PARTS & SERVICES



CNH Industrial Genuine Parts:

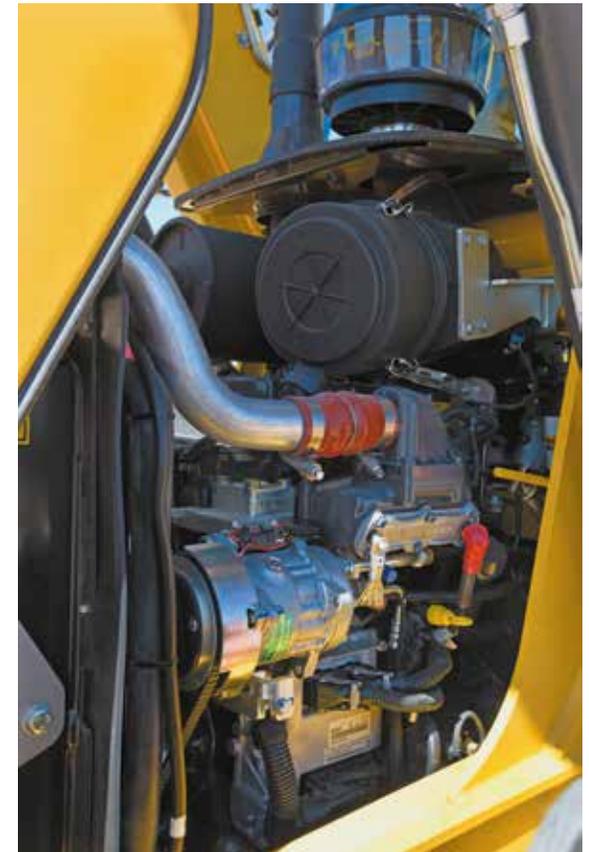
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