



NEW HOLLAND

E135 BSR

NEW HOLLAND KOBELCO



NET FLYWHEEL POWER	74 kW - 99 hp
MAX OPERATING WEIGHT	16600 kg
BUCKET CAPACITY	0.42 - 0.70 m ³



NEW HOLLAND

CONSTRUCTION

BUILT AROUND YOU

E135BSR*

TOP PERFORMANCES PACKED IN A COMPACT MACHINES

The new E135BSR represents the last advanced examples of Short Radius technology.

It has been designed to satisfy customer needs, requiring higher performance in terms of stability and productivity.

This new SR model features the revolutionary iNDR system that dramatically reduces machine noise level.

Customers appreciate all the E135BSR features and benefits where space and noise are constraints, like urban job-sites and road construction sites.



* A product of the global alliance between New Holland and KOBELCO

THE PERFORMANCE



C.P.B. (Continuous Power Boost)

Continuous Power Boost is a feature of excellence of E135BSR. Continuous Power Boost means that, if the operator is facing a very tough application, he can select this function (hydraulic pressure raises to 37.8 Mpa) **with no time limit**. Continuous Power Boost allows him to work without problems in job-site productivity and machine reliability. **A unique feature only offered by New Holland.**

NEW "iNDr" (integrated Noise & Dust reduction) cooling system

NEW environmentally friendly Common Rail engine

NEW triple articulation, offset and logging versions

NEW Flow & Pressure set-up system

NEW generation hydraulic pumps

NEW operator compartment

NEW hydraulic circuit

E135BSR

INCREDIBLY QUIET
EFFECTIVE DUST PROTECTION
REMARKABLE EASY MAINTENANCE



“Ultimate” - Low Noise Level
93dB(A)

RESEARCH & INNOVATION

New Holland is proud to introduce, the unique and innovative **iNDR (integrated Noise & Dust reduction) Cooling System**, with the engine compartment placed inside a single duct that connects the air intake and the exhaust outlet which are offset.

The design itself, together with a correct positioning of the insulation material inside the duct, minimise the engine noise.

A SIMPLE SOLUTION GRANTS MANY ADVANTAGES

iNDR is a highly environmentally friendly solution to maximise operator comfort and to allow to work in urban areas with minimum disturbance for inhabitants.

Moreover the ultra cleaned air granted by **iNDR** contributes to a perfect diesel combustion for increased engine performances and reduced fuel consumption and pollution.

INNOVATION & LEADERSHIP

E135BSR IS ALSO IN TRIPLE ARTICULATION VERSION

To further enhance the correspondence of **SR** and **Standard** machine projects, New Holland offers now the E135BSR also in **Triple Articulation** version. A version requested in many Markets and chosen by many Customers.

A flexible, productive, modern version oriented to Market demand and Customer satisfaction.

VERSATILITY

E135BSR can be equipped, on request, with 2490 mm, 2590 mm or 2690 mm wide blade according to the width of shoes mounted on the machine.

A tool being very useful to accomplish specific jobs with the same machine.

Enhanced machine versatility in refilling ditches, to minimise working time and to increase return of investment.

NEW HOLLAND REDEFINE SR CONCEPT

New Holland is proud to underline its proven field leadership by redefining the SR concept, being able to incorporate in compact designs, performances and features of standard models.

As a matter of facts the new E135BSR boasts a list of superior features and superb performances, all packed in its rounded and compact shape.

Low noise, high operator comfort and efficiency, superior productivity with reduced risk of machine damages for low operating costs.



E135BSR

NEW COMMON RAIL ENGINE



This new generation MITSUBISHI **Common Rail** engine represents "state of the art" technology, designed to increase performance and production whilst reducing fuel consumption and pollution. The Common Rail system guarantees that fuel is injected in the cylinders at very high pressure, thus optimising its nebulization and its mix with an increased quantity of turbocharged and after cooled air. Moreover, the quantity of fuel introduced in the cylinders is electronically controlled so that the "right quantity" is injected at the "right moment" and combined with extra fresh air to provide peak efficiency output from the engine, whilst reducing fuel consumption and emissions of dangerous pollutants. At the same time, noise is also considerably lowered.

A new, durable, efficient, comfortable and economic engine which contributes to reduced operating costs and increased profits.

NEW HYDRAULIC CIRCUIT

EFFICIENCY AND CONTROLLABILITY

To obtain a Hydraulic Circuit which is much more efficient, controllable, fast, powerful and which consumes less fuel than previous one, New Holland has been working almost on all components. Starting from the state-of-the-art, last generation, low noise pump to the redesigned control valve with added second arm spool, high swing output torque and new working mode selection functions. All these improvements, combined with rigorous inspections to drastically reduce pressure loss in the whole Circuit, result in smooth and precise movements, better machine controllability especially on operations that require combined movements.

These outstanding characteristics are further enhanced by the new **H.A.O.A. Control**.

H.A.O.A. (Hydrotronic Active Operation Aid)

Hydrotronic Active Operation Aid is the most effective available combination of an extremely advanced electronic technology that provides a "just in time" comprehensive control of all machine functions, and a deeply refined and sophisticated hydraulic system.

H.A.O.A. continuously optimises hydraulic output according to operator and job demand, providing the best machine controllability, productivity, operator comfort and fuel savings.

RESPECTING THE ENVIRONMENT

The E135BSR is compliant with European Directives concerning electromagnetic compatibility and noise level. The emissions of the new Tier 3A MITSUBISHI engine have been dramatically reduced and are, as shown below, lower than standard requirements.

CO: 1.9, HC + NOx: 3.9, Particulate: 0.18 (*)

...a real Environmentally Friendly machine.

(*) all data are expressed in g/kWh



ADVANCED TECHNOLOGIES & HYDRAULICS

A.E.P. - (Advanced Electronic Processor)

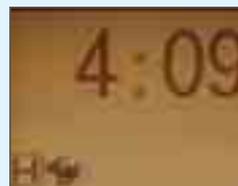
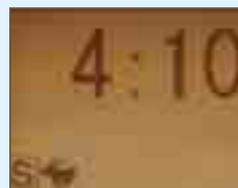
A.E.P. is a new Electronic Processor that interacts with the operator for selecting and monitoring all main working parameters, maintenance notifications, self diagnosis and operating data storage.

All this information is displayed in the new monitor, which features a larger back-lit, easier to read digital display and analogic gauges. Simply select the requested working mode and A.E.P. presets the hydraulic system to accomplish the job in the easiest and most productive way:

- **S mode** for normal working operations
- **H mode** when maximum power is required
Two additional modes are available for special applications and to operate tools like breakers and crushers:
- **A mode** adjusts the attachment circuit for tools which require two way flow.
A dedicated switch on the dashboard, enables the operator to select two pumps oil flow
- **B mode** for attachments featuring one way flow only.

Customers may choose to equip the machines with optional hammer & crusher and/or bucket rotation complete circuits.

Both in A and B working modes the operator, by using the buttons on the monitor, may adjust the flow by 10 l/min steps to perfectly match the parameters of the attachment being used. In addition, the operator can save to memory 9 flow values in both A and B working modes.



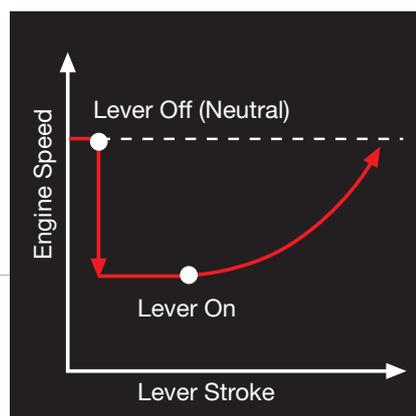
D.O.C. (Dipperstick Optimised Control)

The newly redesigned Control Valve features a second spool dedicated to dipperstick operation. The movement “dipper out” is now achieved with a double flow, i.e., using the flow of two pumps. The “dipper in” movement is even faster because of the double pump flow combined with the “Conflux”, or recirculation of unused oil which is diverted from return to tank.

A perfect combination of speed, efficiency, precision and increased production.

AUTO IDLING DEVICE

Engine speed is automatically reduced when the joysticks are left in neutral, helping effectively to save fuel, to reduce noise and pollution and to increase engine lifespan. When one or both joysticks are moved out of neutral the engine quickly returns to full speed.



E-135BSR



NEW CAB INTERIOR

The interior of the cab has been completely re-designed to maximise operator comfort and to enable optimum operator performance. All switches and controls are now ergonomically positioned on the right side, easy to find and to reach.

The radio and the new, more powerful and effective automatic air-conditioning system are standard equipment, creating an agreeable working atmosphere regardless of external weather conditions. At the same time, new interior design and materials create an elegant feeling. Rigid cab construction, combined with six silicon liquid filled viscous dampers, minimises vibrations. Threaded holes, built into the cab structure, enable fast and easy attachment of optional FOPS structure and front guard, effectively contributing to operator safety.



NEW A. E. P. MONITOR

The newly designed A.E.P. Monitor, features analogical gauges which provide one sight advice, regardless of the operating environment.

The digital Display Screen has been enlarged to further enhance visibility.

Maintenance information is clearly displayed and the self-diagnostic function provides an early warning detection of malfunctions.

Details of any previous breakdown or malfunction are also stored.



NEW ONE-HAND WINDSCREEN OPENING

One-touch lock release simplifies opening and closing the front window, while a new mechanism makes it lighter.



INSTRUMENT LAYOUT

In-cab switches and controls have been moved to the right-hand side in an easy to reach and more ergonomic position, thus improving operator comfort and convenience.

OPERATOR SAFETY AND COMFORT



WIDER CAB ACCESS

The left console which incorporates the safety lock lever, now lifts-up 10 degrees more than in the previous model. A greater angle assures a wider cab access: an easier entry and exit for enhanced operator comfort.



NEW COMFORTABLE SEAT

New comfortable contoured seat which can be adjusted in all directions and back and forth, together with or independently of side consoles.

The armrests, integrated on side consoles, can be lifted/lowered into four different positions and inclined, enabling the operator to set the correct position for maximum convenience and comfort.

E135BSR

DESIGNED TO EFFECTIVELY CUT OPERATING COSTS

CLEAN AND ACCESSIBLE LAYOUT

The new machine layout has been designed to make inspections, maintenance and servicing much easier and less time-consuming.

The engine oil filter, the fuel filter and the water separator are remote mounted and easy to reach from ground level. Both the fuel filter and the water separator, which removes contaminants and water, have an important function for engine performance and durability.

Cooling components (radiator, hydraulic oil cooler and intercooler) are now mounted in parallel, which means increased cooling efficiency for higher component reliability whilst being easier to check and clean.



A MODERN DESIGN COMBINED WITH STATE-OF-THE-ART TECHNOLOGY

The simplified layout of New Holland E135BSR most components, positioned under both the right and the left side panels, enables easy access from ground level and makes maintenance and inspections quicker and less expensive. Reduced maintenance and service costs to keep machines in perfect conditions: low maintenance costs, high reliability and durability, minimised owning and operating costs for your improved profit.

EASY MAINTENANCE & SERVICEABILITY



VISUAL CHECKING & EASY CLEANING OF iNDR FILTERS

The iNDR filters are located in front of the cooling components (radiator, hydraulic oil cooler and intercooler) now mounted in parallel for improved cooling efficiency. The air goes directly from the intake duct through the iNDR stainless-steel filters which capture dust. The intake cleaned air, going through the cooling components, reduces clogging risks and minimises the cleaning intervals of maintenance routine. If during start-up inspection they look dirty, they are easy to be removed without tools and quickly cleaned from ground level.



FUSES

The fuses are inside the cab, protected from dust and water as well as easy to reach and control.

LONG LIFE HYDRAULIC OIL

The long-life hydraulic oil used by New Holland features excellent anti-emulsion characteristics as well as an optimised mix of anti-wear and anti-oxidants additives that **boost the service life to 5,000 hours**, reducing the number of oil changes necessary and resulting in an impressive **reduction in operation costs and a higher respect for the environment**.

INSIDE CAB MAINTENANCE

- Airconditioning filter, positioned under the seat, can be easily removed without tools and from ground level, for easy cleaning.
- Detachable two-piece floormat with handles for easy removal. A floor drain is located under the mat to facilitate inside cab cleaning.



E135BSR



DESIGNED TO

- Effectively operate in close quarters
- Ensure durability and long terms value
- Produce more with less fuel
- Respect the environment and our future

SPECIFICATIONS

135BSR



ENGINE TIER 3A

Net flywheel power (ISO 14396/ECE R120)74 kW/99 hp
 Rated2000 rpm
 Make and model.....MITSUBISHI DO4 FR
 Typediesel, Common Rail, direct injection,
 turbocharged, intercooler

Displacement.....4.25 l
 Number of cylinders4
 Bore x Stroke.....102 x 130 mm
 Maximum torque at 1600 rpm.....375 Nm

Electronic engine rpm control dial type:

“Auto-Idling” selector returns engine to minimum rpm when all controls are in neutral position.

The engine complies with 97/68/EC Standards TIER 3A.



ELECTRICAL SYSTEM

Voltage.....24 V
 Alternator50 A
 Starter motor.....2.4 kW
 Standard maintenance-free batteries2
 Capacity.....80 Ah



HYDRAULIC SYSTEM

Higher capacity pumps, to supply higher flow at lower rpm;
Redesigned Main Control Valve, with added 2nd dipper spool and new Fail Safe Functions;

H.A.O.A. (Hydrotronic Active Operation Aid) to get the best hydraulic output according to operator/ application demand;
E.S.S.C. (Engine Speed Sensing Control) device, for total installed hydraulic power exploitation;

D.O.C. (Dipper Optimised Control) thanks to the 2nd dedicated spool in the Control Valve and to the Conflux system;

C.P.B. (Continuous Power Boost) to allow the operator to use extra power when and how long it is needed;

A.E.P. (Advanced Electronic Processor) interacting with the operator for selecting and monitoring main working parameters, maintenance programmes, self diagnosis and operating data storage thanks to the new monitor with a larger digital display and analogical gauges;

Two working modes:

- **S** = for normal digging operation;
- **H** = when maximum power is required;

Two Attachments modes:

- **A** = for attachments which require double pump flow;
- **B** = for attachments, such as breaker, featuring one way flow only.

Standard double pump flow device and Diverter Valve automatically actuated while selecting A;

Pipe pressure discharge push button to facilitate tooling changeover without piping oil leakage;

Super Fine hydraulic filter (8 micron) to grant perfect oil filtration, contributing to increase oil change interval

“Power Boost” device

Main pumps:

Two variable delivery axial piston pumps

Pumps automatically revert to zero with controls in neutral

Maximum delivery.....2 x 130 l/min

Pilot circuit gear type pump

Maximum delivery20 l/min

Maximum operating pressure:

Equipment.....34.3 MPa

Swing.....28.0 MPa

Travel.....34.3 MPa

Power Boost37.8 MPa

Pilot circuit.....5.0 MPa

Hydraulic cylinders

		Mono/L	Triple	Offset
Lift =	BxS mm	100x1092	100x1038	100x1038
Dipper =	BxS mm	115x1120	115x1120	115x1120
Bucket =	BxS mm	95x903	95x903	95x903
Posit. =	BxS mm	-	130x925	105x510



TRANSMISSION

Typehydrostatic, two-speed
 Travel motors.....2, axial piston type, double displacement
 Brakesoil bath disc type, automatically applied
 and hydraulically released

Final drives.....oil bath, planetary reduction

Gradeability (continuous)70% (35°)

Travel speeds

Low(L version: 0 - 3.0)0 - 3.6 km/h

High.....(L version: 0 - 5.3)0 - 6.0 km/h

Drawbar pull(L version: 156)138 kN

“Automatic DownShift” device: to move travel motors to maximum displacement position with selector on “high speed” position when greater traction is required.



SWING

Swing motoraxial piston type

Swing brakeautomatic disc type

Final driveoil bath, planetary reduction

Swing Ringoil bath type

Swing Speed.....11.5 rpm



CAB AND CONTROLS

Transparent cab roof.

Standard automatic conditioning.

Controlspiloted

Two cross pattern levers actuate all equipment movements and upperstructure swing.

Two pedals with hand levers control all track movements, counter-rotation included.

A safety lever completely neutralizes the piloting circuit.



UNDERCARRIAGE

X-frame undercarriage design.

Heavy duty track chain with sealed bushings.

Rollers:	LC	L
Track rollers (each side)	7	7
Carrier rollers (each side)	2	2
Length of track on ground	3040 mm	2990 mm
Gauge	1990 mm	2040 mm
Shoes (mm)	500 - 600	800 - 900
	700	

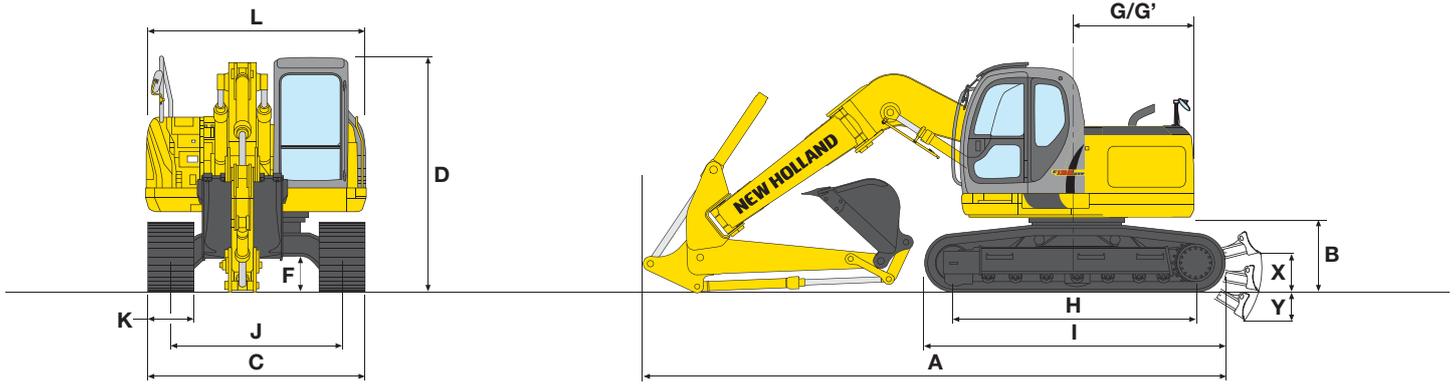


CAPACITIES

	litres
Lube oil	18.5
Coolant	14.0
Fuel tank	200.0
Hydraulic system	140.0
Swing drive gear	1.7
Final drive (each) (L version: 4.7)	2.1

OFFSET BOOM

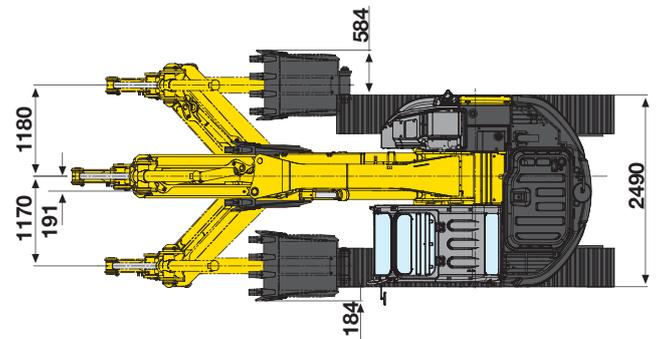
DIMENSIONS (mm) - OPERATING WEIGHT



ARM	A	B	D	F	G/G'	H	I	J	L
2200 mm	7100	860	2830	445	1490/1600	3040	3770	1990	2490
2500 mm	7130	860	2830	445	1490/1600	3040	3770	1990	2490

G' = Rear swing radius with additional (0.58 t) counterweight (optional)

		E135BSR		
K - Shoe width	mm	500	600	700
C - maximum width	mm	2490	2590	2690
Operating weight**	kg	14800	15000	15200
Ground pressure	bar	0.44	0.37	0.32
Blade width	mm	2490	2590	2690
Blade height	mm	570	570	570
Blade weight	kg	470	480	490
X - max lift	mm	500	500	500
Y - max dig.	mm	590	590	590



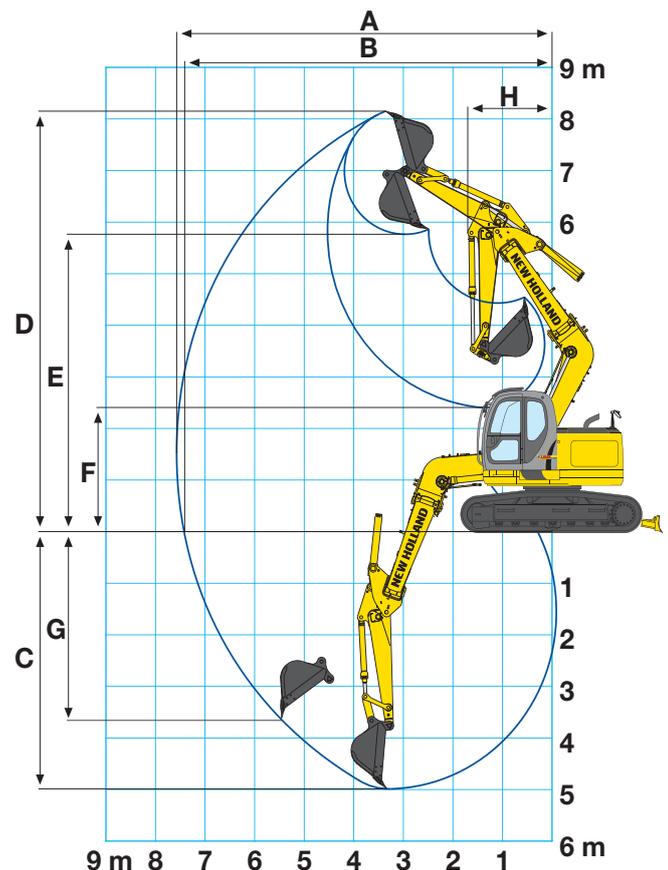
** Without blade (optional) and additional counterweight (optional)

DIGGING PERFORMANCE(*)

DIPPERSTICK		2200	2500
A	mm	7570	7830
B	mm	7410	7680
C	mm	4990	5290
D	mm	8150	8320
E	mm	5770	5930
F	mm	2410	2120
G	mm	3610	3960
H	mm	1700	1760

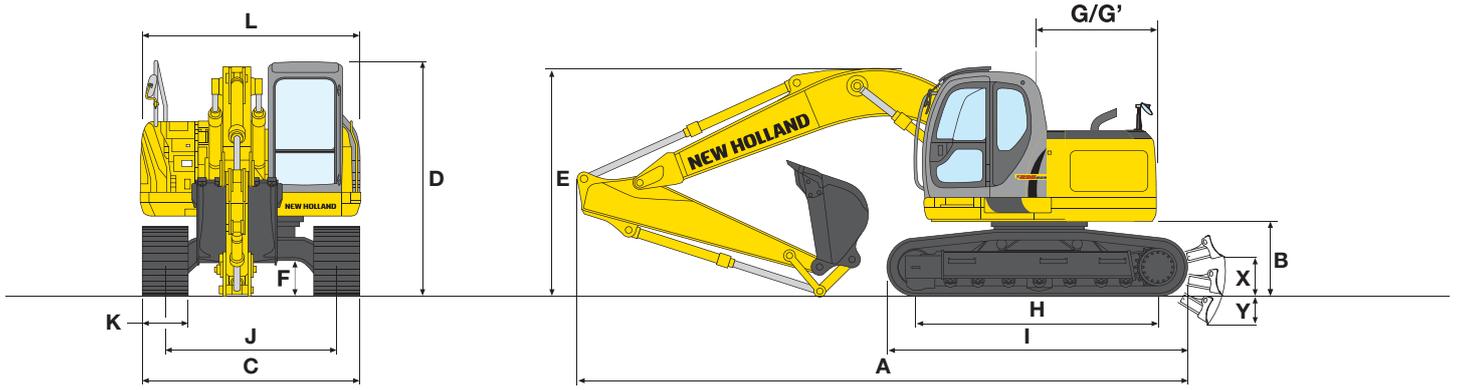
BREAKOUT FORCE		2200	2500
Bucket	daN	8750	8750
Dipperstick	daN	6210	5740

*At max. offset (right or left) the above dimensions are reduced by average 400 mm



ONE-PIECE BOOM

DIMENSIONS (mm) - OPERATING WEIGHT



ARM	A	B	D	E	F	G/G'	H	I	J	L
2090 mm	7430	860	2830	2710	445	1490/1600	3040	3770	1990	2490
2380 mm	7500	860	2830	2680	445	1490/1600	3040	3770	1990	2490
2840 mm	7510	860	2830	3070	445	1490/1600	3040	3770	1990	2490

G' = Rear swing radius with additional (0.58 t) counterweight (optional)

		E135BSR		
K - Shoe width	mm	500	600	700
C - maximum width	mm	2490	2590	2690
Operating weight**	kg	14200	14400	14600
Ground pressure	bar	0.42	0.36	0.31
Blade width	mm	2490	2590	2690
Blade height	mm	570	570	570
Blade weight	kg	470	480	490
X - max lift	mm	500	500	500
Y - max dig.	mm	590	590	590

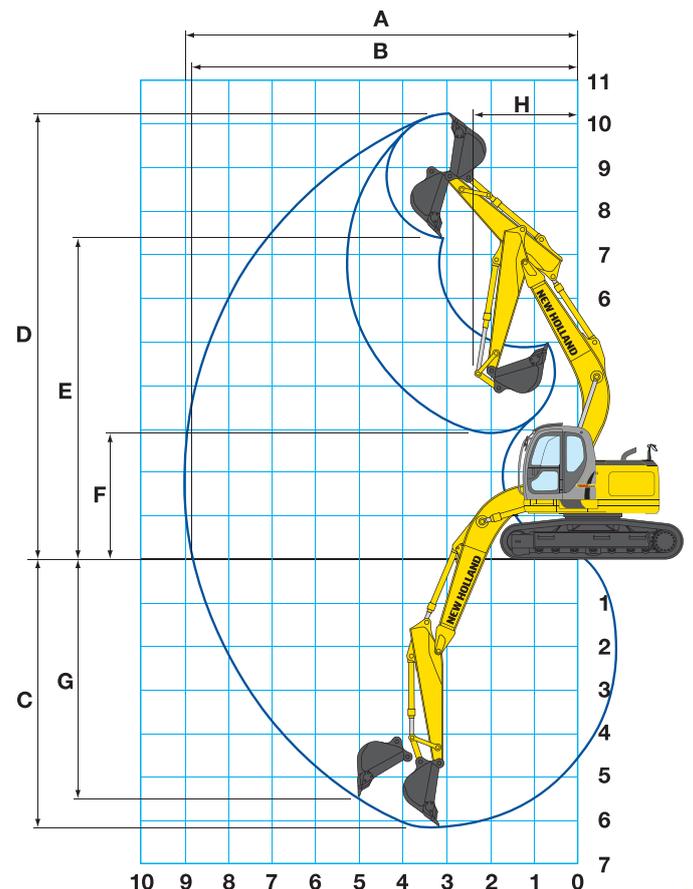
** Without blade (optional) and additional counterweight (optional)

DIGGING PERFORMANCE

ONE PIECE BOOM = 4680 mm

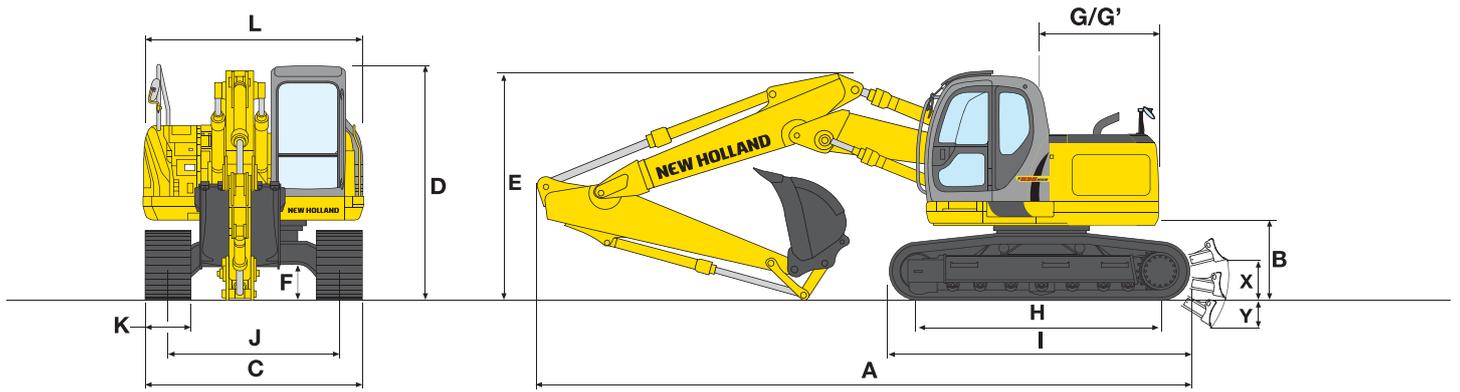
DIPPERSTICK		2090	2380	2840
A	mm	8040	8340	8780
B	mm	7890	8190	8640
C	mm	5230	5520	5980
D	mm	8910	9190	9550
E	mm	6470	6470	7110
F	mm	2900	2580	2220
G	mm	4480	4890	5350
H	mm	2070	2000	2400

BREAKOUT FORCE		2090	2380	2840
Bucket	daN	9010	9010	9010
Dipperstick	daN	7190	6440	5840



TRIPLE ARTICULATION

DIMENSIONS (mm) - OPERATING WEIGHT



ARM	A	B	D	E	F	G/G'	H	I	J	L
2090 mm	8020	860	2830	2780	445	1490/1600	3040	3770	1990	2490
2380 mm	7990	860	2830	2730	445	1490/1600	3040	3770	1990	2490

G' = Rear swing radius with additional (0.58 t) counterweight (optional)

		E135BSR		
K - Shoe width	mm	500	600	700
C - maximum width	mm	2490	2590	2690
Operating weight**	kg	15000	15300	15500
Ground pressure	bar	0.45	0.38	0.33
Blade width	mm	2490	2590	2690
Blade height	mm	570	570	570
Blade weight	kg	470	480	490
X - max lift	mm	500	500	500
Y - max dig.	mm	590	590	590

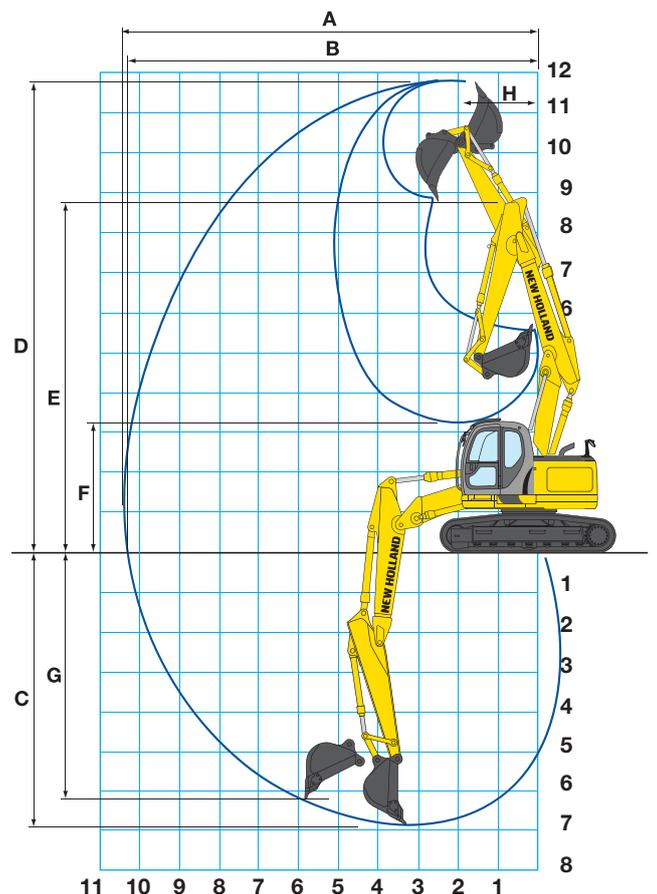
** Without blade (optional) and additional counterweight (optional)

DIGGING PERFORMANCE

TRIPLE ARTICULATION
max extension = 5190 mm
min extension = 3840 mm

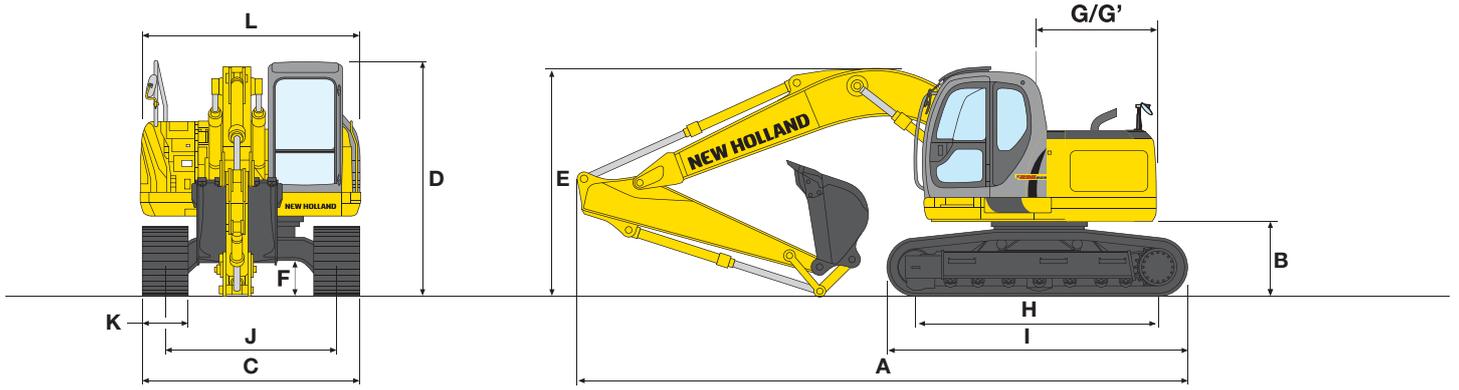
DIPPERSTICK		2090	2380
A	mm	8510	8800
B	mm	8360	8660
C	mm	5410	5710
D	mm	9280	9550
E	mm	6840	7100
F	mm	1200	910
G	mm	4520	4850
H	mm	2140	2040

BREAKOUT FORCE		2090	2380
Bucket	daN	9050	9050
Dipperstick	daN	7190	6400



ONE-PIECE BOOM - L VERSION (LOGGING)

DIMENSIONS (mm) - OPERATING WEIGHT



ARM	A	B	D	E	F	G/G'	H	I	J	L
2090 mm	7490	1050	3010	2770	580	1490/1600	2990	3790	2040	2490
2380 mm	7450	1050	3010	2780	580	1490/1600	2990	3790	2040	2490

G'= Rear swing radius with additional (0.58 t) counterweight (optional)

		E135BSR	
K - Shoe width	mm	800	900
C - maximum width	mm	2840	2940
Operating weight**	kg	16400	16600
Ground pressure	bar	0.31	0.28
Blade width	mm	-	-
Blade height	mm	-	-
Blade weight	kg	-	-
X - max lift	mm	-	-
Y - max dig.	mm	-	-

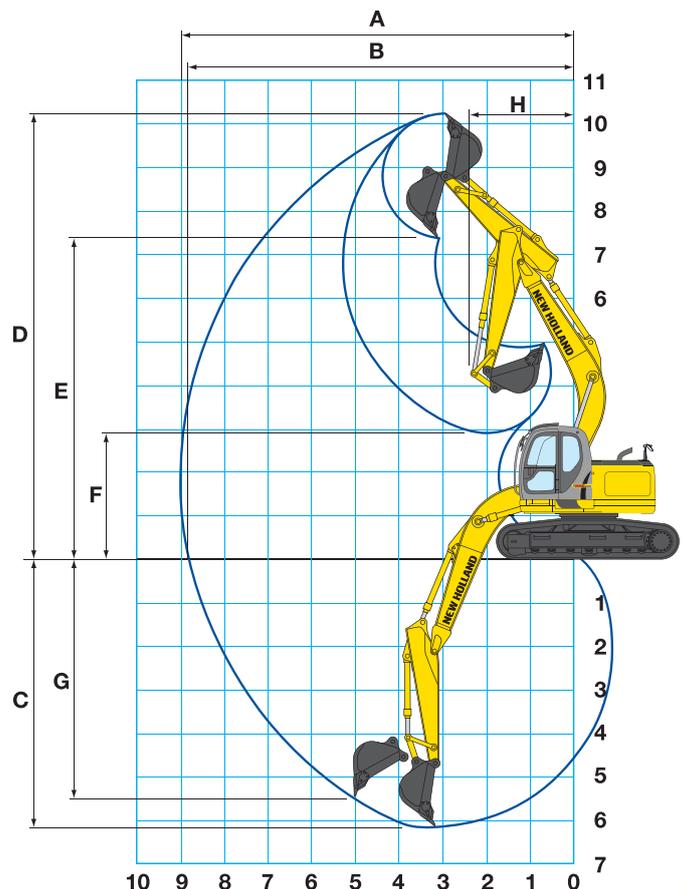
** Without blade (optional) and additional counterweight (optional)

DIGGING PERFORMANCE

ONE PIECE BOOM = 4680 mm

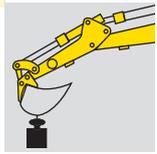
DIPPERSTICK		2090	2380
A	mm	8040	8340
B	mm	7850	8160
C	mm	5040	5330
D	mm	9100	9370
E	mm	6660	6930
F	mm	3090	2770
G	mm	4300	4700
H	mm	2070	2000

BREAKOUT FORCE		2090	2380
Bucket	daN	9010	9010
Dipperstick	daN	6980	6440



LIFTING CAPACITY

VALUES ARE EXPRESSED IN TONNES



RADIUS OF LOAD

1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		AT MAX. REACH		REACH m
FRONT	SIDE	FRONT	SIDE									

E135BSR ONE-PIECE BOOM - 2090 mm DIPPERSTICK

HEIGHT															
+7.5 m													2.29 *	2.29 *	3.22
+6.0 m					3.23 *	3.23 *							1.83 *	1.83 *	5.19
+4.5 m			4.10 *	4.10 *	3.47 *	3.30	2.49 *	1.96					1.74 *	1.74 *	6.21
+3.0 m			6.24 *	5.92	4.19 *	3.06	3.24	1.88					1.81 *	1.51	6.74
+1.5 m			6.88 *	5.12	4.97	2.79	3.12	1.77					2.02 *	1.39	6.90
0			7.04 *	4.89	4.77	2.61	3.02	1.69					2.43 *	1.41	6.71
-1.5 m	5.93 *	5.93 *	7.68 *	4.90	4.71	2.56	3.00	1.66					2.88	1.60	6.16
-3.0 m	9.15 *	9.15 *	6.06 *	5.05	4.14 *	2.63							3.44 *	2.19	5.10
-4.5 m															

E135BSR ONE-PIECE BOOM - 2380 mm DIPPERSTICK

HEIGHT															
+7.5 m					2.97 *	2.97 *							1.57 *	1.57 *	3.91
+6.0 m					3.25 *	3.25 *	2.64 *	2.01					1.26 *	1.26 *	5.63
+4.5 m					4.00 *	3.13	3.28 *	1.93					1.19 *	1.19 *	6.58
+3.0 m			5.74 *	5.74 *	4.00 *	3.13	3.28 *	1.93					1.22 *	1.22 *	7.08
+1.5 m			8.03 *	5.29	4.86 *	2.85	3.16	1.81					1.34 *	1.30	7.23
0			7.11 *	4.98	4.82	2.66	3.05	1.71					1.59 *	1.31	7.06
-1.5 m	5.26 *	5.26 *	8.02 *	4.93	4.73	2.58	3.01	1.67					2.08 *	1.47	6.53
-3.0 m	8.11 *	8.11 *	6.58 *	5.04	4.46 *	2.62							3.28 *	1.93	5.55
-4.5 m			3.63 *	3.63 *									2.82 *	2.82 *	3.74

E135BSR ONE-PIECE BOOM - 2840 mm DIPPERSTICK

HEIGHT															
+7.5 m					1.84 *	1.84 *							1.49 *	1.49 *	4.69
+6.0 m					2.57 *	2.57 *	1.67 *	1.67 *					1.25 *	1.25 *	6.19
+4.5 m					2.86 *	2.86 *	2.74 *	2.05					1.18 *	1.18 *	7.06
+3.0 m			4.88 *	4.88 *	3.62 *	3.19	3.05 *	1.94	1.31 *	1.26			1.19 *	1.19 *	7.53
+1.5 m			7.38 *	5.43	4.55 *	2.88	3.16	1.81	1.91 *	1.21			1.29 *	1.15	7.67
0			7.39 *	4.94	4.81	2.64	3.03	1.69	1.55 *	1.16			1.48 *	1.15	7.51
-1.5 m	4.53 *	4.53 *	8.26 *	4.83	4.68	2.53	2.96	1.63					1.86 *	1.28	7.02
-3.0 m	7.04 *	7.04 *	7.12 *	4.89	4.69	2.54	2.99	1.65					2.73 *	1.61	6.12
-4.5 m			4.73 *	4.73 *	2.95 *	2.69							2.87 *	2.64	4.55

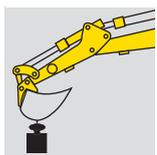
E135BSR ONE-PIECE BOOM - 2840 mm DIPPERSTICK with 0.58 t additional c/w

HEIGHT															
+7.5 m					1.84 *	1.84 *							1.49 *	1.49 *	4.69
+6.0 m					2.57 *	2.57 *	1.67 *	1.67 *					1.25 *	1.25 *	6.19
+4.5 m					2.86 *	2.86 *	2.74 *	2.28					1.18 *	1.18 *	7.06
+3.0 m			4.88 *	4.88 *	3.62 *	3.52	3.05 *	2.17	1.31 *	1.31 *			1.19 *	1.19 *	7.53
+1.5 m			7.38 *	6.01	4.55 *	3.21	3.45 *	2.04	1.91 *	1.38			1.29 *	1.29 *	7.67
0			7.39 *	5.53	5.20 *	2.97	3.33	1.92	1.55 *	1.34			1.48 *	1.33	7.51
-1.5 m	4.53 *	4.53 *	8.26 *	5.41	5.13	2.86	3.26	1.85					1.86 *	1.47	7.02
-3.0 m	7.04 *	7.04 *	7.12 *	5.48	4.73 *	2.87	3.18 *	1.88					2.73 *	1.83	6.12
-4.5 m			4.73 *	4.73 *	2.95 *	2.95 *							2.87 *	2.87 *	4.55

The table values refer to ISO 10567 for excavator equipped with bucket. The indicated load is no more than 87% of hydraulic system lift capacity or 75% of static tipping load. Values marked with an asterisk are limited by the hydraulic system.

LIFTING CAPACITY

VALUES ARE EXPRESSED IN TONNES



RADIUS OF LOAD

1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		AT MAX. REACH		REACH m
FRONT	SIDE	FRONT	SIDE									

E135BSR OFFSET BOOM - 2200 mm DIPPERSTICK

HEIGHT	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		AT MAX. REACH		REACH m
	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	
+7.5 m													
+6.0 m											1.99 *	1.99 *	4.42
+4.5 m					3.17 *	3.17 *					1.96 *	1.96 *	5.58
+3.0 m			5.28 *	5.28 *	3.79 *	3.10	2.87 *	1.84			2.14 *	1.73	6.17
+1.5 m			7.44 *	5.09	4.58 *	2.74	3.07	1.69			2.53 *	1.53	6.34
0	3.88 *	3.88 *	8.15 *	4.58	4.66	2.47	2.93	1.57			2.82	1.51	6.15
-1.5 m	5.90 *	5.90 *	7.69 *	4.51	4.54	2.37					3.27	1.73	5.53
-3.0 m	8.90 *	8.90 *	6.18 *	4.68							4.27 *	2.61	4.31
-4.5 m													

E135BSR OFFSET BOOM - 2500 mm DIPPERSTICK

HEIGHT	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		AT MAX. REACH		REACH m
	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	
+7.5 m													
+6.0 m					2.39 *	2.39 *					1.86 *	1.86 *	4.78
+4.5 m					2.95 *	2.95 *					1.83 *	1.83 *	5.88
+3.0 m	9.50 *	9.50 *	4.80 *	4.80 *	3.59 *	3.18	3.06 *	1.88			1.96 *	1.63	6.43
+1.5 m			7.07 *	5.25	4.42 *	2.79	3.10	1.72			2.28 *	1.44	6.60
0	3.49 *	3.49 *	8.10 *	4.61	4.68	2.49	2.95	1.58			2.65	1.42	5.41
-1.5 m	5.43 *	5.43 *	7.85 *	4.47	4.52	2.36					3.01	1.59	5.82
-3.0 m	8.06 *	8.06 *	6.58 *	4.59	4.31 *	2.40					4.09 *	2.25	4.68
-4.5 m													

E135BSR TRIPLE ARTICULATION - 2090 mm DIPPERSTICK

HEIGHT	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		AT MAX. REACH		REACH m
	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	
+7.5 m											2.08	2.08	4.11
+6.0 m					3.66 *	3.51					1.83	1.83	5.77
+4.5 m			5.51 *	5.51 *	3.98 *	3.31	2.96 *	1.94			1.81	1.53	6.70
+3.0 m	14.41 *	14.41 *	7.42 *	5.44	2.94 *	2.93	3.03 *	1.79			1.91	1.25	7.19
+1.5 m			6.01 *	4.54	3.92 *	2.54	3.01	1.62			2.14	1.12	7.34
0	7.13 *	7.13 *	4.58 *	4.33	4.51	2.31	2.87	1.49			2.16	1.10	7.17
-1.5 m	9.30 *	9.30 *	5.76 *	4.38	4.39 *	2.25	2.81	1.44			2.40	1.23	6.65
-3.0 m	9.22 *	9.22 *	4.02 *	4.02 *	3.21 *	2.30					2.31 *	1.61	5.69
-4.5 m													

E135BSR TRIPLE ARTICULATION - 2380 mm DIPPERSTICK

HEIGHT	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		AT MAX. REACH		REACH m
	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	
+7.5 m					1.84 *	1.84 *					1.46	1.46	4.69
+6.0 m					3.29 *	3.29 *	1.77 *	1.77 *			1.28	1.28	6.19
+4.5 m			4.74 *	4.74 *	3.83 *	3.40	2.72 *	2.00			1.25	1.25	7.06
+3.0 m	14.78 *	14.78 *	7.03 *	5.78	4.45 *	3.03	2.82 *	1.85	1.43 *	1.18	1.30	1.16	7.53
+1.5 m			3.93 *	3.93 *	3.70 *	2.63	3.06	1.67	2.10 *	1.10	1.45	1.05	7.67
0	6.61 *	6.61 *	4.80 *	4.39	4.57 *	2.37	2.91	1.53	1.78 *	1.04	1.72	1.04	7.51
-1.5 m	8.35 *	8.35 *	6.32 *	4.39	4.46 *	2.28	2.83	1.46			2.22	1.14	7.02
-3.0 m	8.68 *	8.68 *	4.63 *	4.51	3.54 *	2.30	2.39 *	1.48			2.28 *	1.44	6.12
-4.5 m	8.13 *	8.13 *	4.03 *	4.03 *									

The table values refer to ISO 10567 for excavator equipped with bucket. The indicated load is no more than 87% of hydraulic system lift capacity or 75% of static tipping load. Values marked with an asterisk are limited by the hydraulic system.

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