



# NEW HOLLAND

## E115SR / 135SRL / 135SRLC

NEW HOLLAND KOBELCO



	E115SR	E135SRL	E135SRLC
NET FLYWHEEL POWER	60 kW - 81 hp	63 kW - 85 hp	
OPERATING WEIGHT (MAX)	12 800 kg	14 700 kg	16 800 kg
BUCKET CAPACITY	0.42 - 0.54 m <sup>3</sup>		0.42 - 0.70 m <sup>3</sup>

**NEW HOLLAND**

PROVEN PERFORMANCE

# E115SR/135S

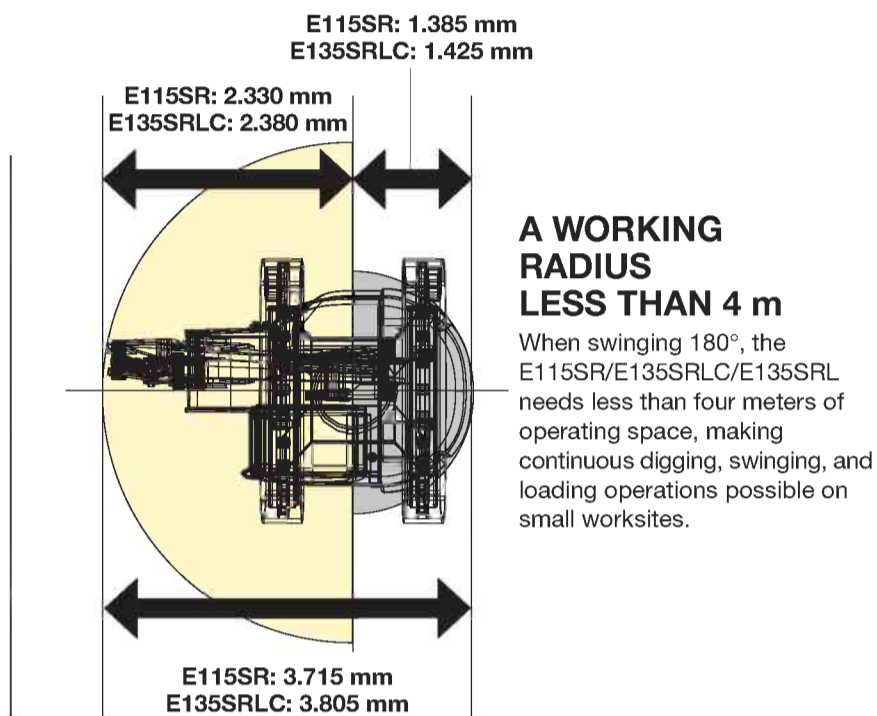
THE SR SERIES: THE STANDARD FOR OPERATION  
WITHIN A SMALL REAR SWING RADIUS



Imagine a full-performance hydraulic excavator series with an ultra-small rear swing radius that allows the operator to focus on the job in front of him, even in narrow spaces. The NEW HOLLAND SR Series is designed with precisely that in mind, and has won the approval of operators on work sites throughout the world. SR Series machines offer all the benefits of small rear swing, but also do the same work as conventional models, providing optimal versatility. Carrying on the proud tradition of their predecessors, the E115SRL/E135SRLC machines represent a new standard in small rear-swing radius operation.

\* A product of the global alliance between CNH and KOBELCO

# RL/135SRLC\*



## A WORKING RADIUS LESS THAN 4 m

When swinging 180°, the E115SR/E135SRLC/E135SRLC needs less than four meters of operating space, making continuous digging, swinging, and loading operations possible on small worksites.



## FULL-SIZED PERFORMANCE WITH A TINY REAR SWING RADIUS

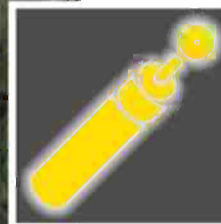
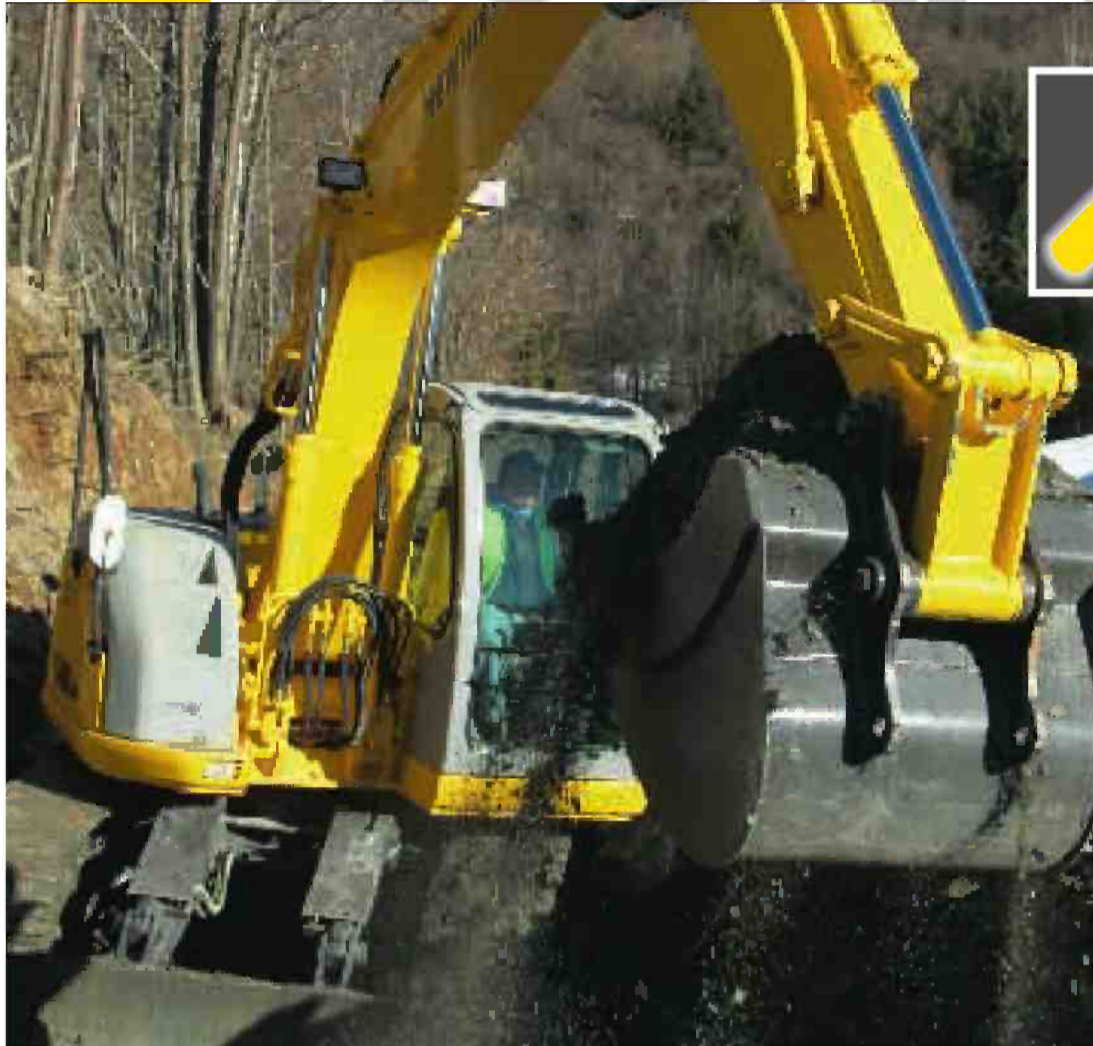


## EASY MAINTENANCE AND HIGH DURABILITY

- 1 High-quality urethane paint resists wear
- 2 Steel-sheet cover is easy to repair
- 3 The floor of the upper body is a single steel plate for added strength
- 4 Tough, X-frame chassis can handle uneven terrain easily
- 5 Front idlers feature a thick shaft diameter for added strength
- 6 Front idler spring cover protects against soil
- 7 Three-piece crawler frames provide excellent rigidity
- 8 Modified shape of travel motor covers keeps out mud and gravel

# E115SR/135S

## ADVANCED SMART HYDRAULIC SYSTEM (S.H.S.)



### S.H.S. (Smart Hydraulic System)

For perfect controllability and simultaneity of all movements.

**A.I. (Artificial Intelligence)** on-board computer.

**A.P.S. (Automatic Priority System)** device.

**Computerized pumps delivery and main control** valve actuation in relation to manipulators stroke and working pressure demand.

**E.S.S.C. (Engine Speed Sensing Control device)** for total installed hydraulic power exploitation.

**High definition E.T.U. (EASY TO USE) multi-function monitor** incorporating:

- Maintenance programme
- Self Diagnosis System
- Operating Data Storage (engine rpm/operating pressure etc.)



### WORKING MODES

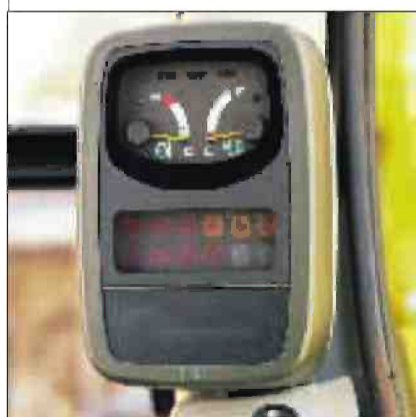
Three work modes are provided to match the job at hand:

**H-mode** for heavy digging

**S-mode** for energy-efficient operation

**FC mode** for fine control

A dial-type electric engine throttle ensures a perfect control.



### ADVANCED ELECTRONIC MONITOR

The advanced Check & Safety monitor has two gauges and six display categories to provide instant verification of the machine's operating status at a glance.



# RL/135SRLC

## FULL-SIZED, COMFORTABLE CAB

**The spacious cab combines the best aspects of functional layout and operator comfort. The sophisticated design minimizes noise and vibration.**

The cab is laid out with plenty of room to give the operator a comfortable working environment comparable to that of a full-sized machine.

Viscous cab mounts cushion the cab from vibration, and the cab itself is tightly sealed to reduce noise.



**“High Space”** cab with perfect visibility in all directions thanks to the wide glass surface and transparent cab roof. Extremely low noise level and effective reduction of vibrations.

All controls are within hand reach and in ergonomic position: more than a “living room” cab for maximum operator comfort.

**Advanced climate control system** maintains a comfortable and clean working environment.



# E115SR

## SPECIFICATIONS



### TIER-2 EMISSIONED ENGINE

Net flywheel power (ISO 14396) .....60 kW / 81 hp  
 Rated rpm ..... 2050  
 Make and model.....ISUZU – 4BG1TA  
 Type .....diesel 4-stroke, direct injection  
 Aspiration.....turbo  
 Number of cylinders ..... 4  
 Displacement .....4329 cm<sup>3</sup>  
 Bore x Stroke.....105 x 125 mm

#### Electronic engine rpm control dial type

**Auto-idling selector** returns engine to minimum rpm when all controls are in neutral position.



### ELECTRICAL SYSTEM

Voltage .....24 V  
 Alternator ..... 30  
 Starter motor ..... 4.5 kW  
 Standard maintenance-free batteries .....2



### HYDRAULIC SYSTEM

**S.H.S. (Smart Hydraulic System)** and **computerised hydraulic pump delivery** for perfect controllability and simultaneity of all movements.

**Operating mode selector:** **H** – heavy duty  
**S** – standard  
**FC** – precision jobs

Main pumps:

Two variable delivery axial piston pumps  
 Pumps automatically revert to zero delivery with controls in neutral  
 Maximum delivery.....2 x 118 l/min  
 Piloting circuit gear type pump  
 Maximum delivery .....21 l/min

#### Maximum operating pressure:

Equipment.....330 bar  
 Superstructure swing.....265 bar  
 Travel.....350 bar  
 Pilot circuit.....50 bar

Hydraulic cylinders	Number	Bore	Stroke
Lift	2	95 mm	1450 mm
Penetration	1	110 mm	1075 mm
Bucket	1	95 mm	885 mm



### TRANSMISSION

Type.....hydrostatic, two-speed  
 Travel motors.....2, axial piston type, double displacement  
 Brakes.....automatic discs type  
 Final drives .....oil bath, planetary reduction  
 Gradeability (continuous) .....70% (35°)  
 Travel speeds

Low .....from 0 to 3.5 km/h  
 High .....from 0 to 6.0 km/h  
 Traction force .....12200 daN

**Automatic Down Shift device:** to move travel motors to maximum

displacement position with selector on speed when greater traction is required.



### SWING

Swing motor.....axial piston type  
 Swing brake .....automatic discs type  
 Final drive .....oil bath, planetary reduction  
 Swing Ring .....oil bath type  
 Swing Speed.....11.4 rpm



### CAB AND CONTROLS

Transparent upper cab roof.

Automatic conditioning.

Controls .....piloted

Two cross path pattern levers actuate all equipment movements and superstructure swing.

One lever for blade lower/lift .....(option)

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

A safety lever completely neutralizes the piloting circuit.



### UNDERCARRIAGE

HD track chain with sealed bushings

Rollers

Track rollers (each side) .....6

Carrier rollers (each side) .....1

Length of track on ground .....1990 mm

Gauge .....2610 mm

Shoes.....500-600-700 - triple grouser  
 500 - flat



### BLADE (option)

Width x Height .....2490 x 570 mm

Lift from ground .....490 mm

Lower to ground .....540 mm

Weight (including cylinders and frame).....600 Kg



### CAPACITIES

Engine ..... litres

Lube oil .....13.0

Coolant .....18.0

Fuel tank .....168.0

Hydraulic reservoir ..... 140.0

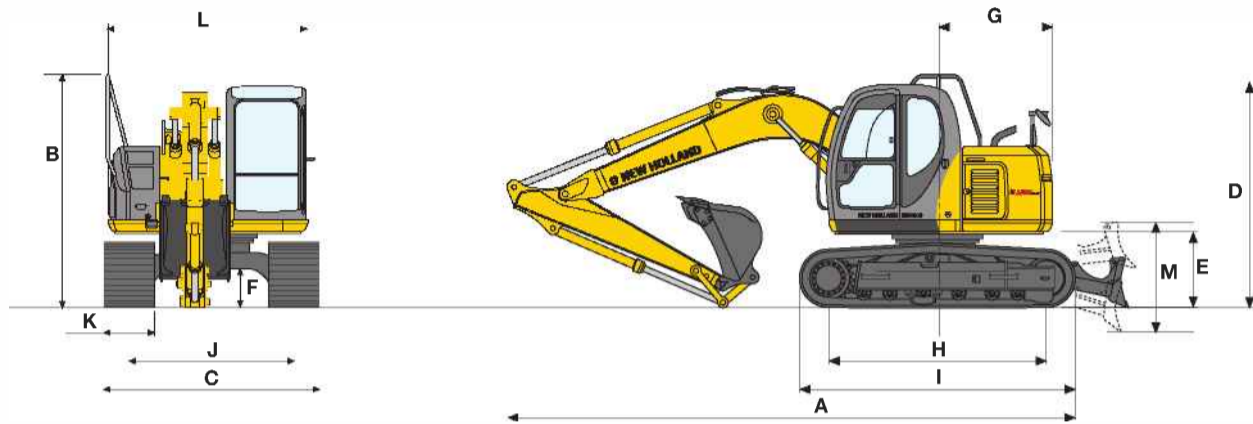
Swing reduction.....1.7

Travel reduction (each) .....2.5



# ONE-PIECE BOOM

## DIMENSIONS (mm) - OPERATING WEIGHTS

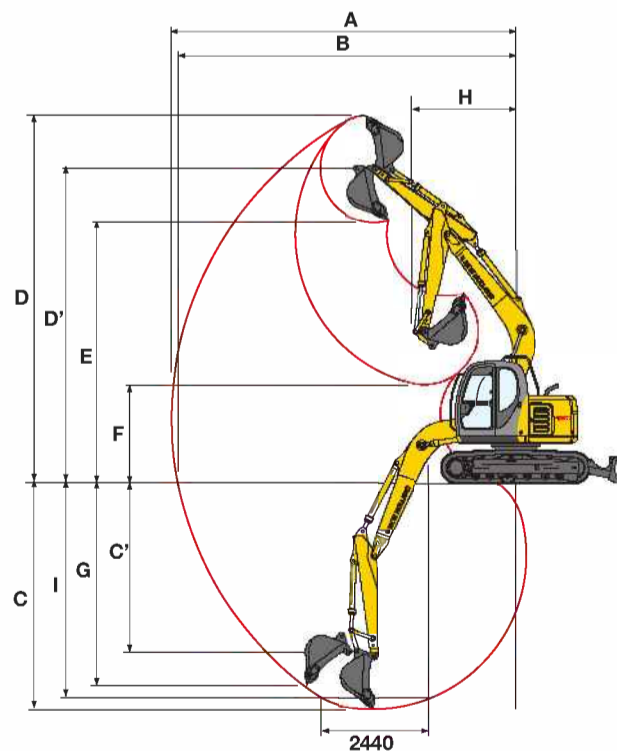


A	B	C	D	E	F	G	H	I	J	K	L	M
6890	2810	2490 (1)	2740	910	455	1385	2610	3320	1990	500	2410	1030
		2590 (2)								600		
		2690 (3)								700		

(1) 500 mm shoes - (2) 600 mm shoes - (3) 700 mm shoes

Shoes type		3 grouser steel			Steel - Flat
K - Shoe width	mm	500	600	700	500
C - Maximum width	mm	2490	2590	2690	2490
Operating weight (w/o blade)	kg	11800	11900	12200	11900
Ground pressure	bar	0.40	0.34	0.30	0.30

## DIGGING PERFORMANCE



DIPPERSTICK	mm	1900	2200	2700
A	mm	7430	7710	8180
B	mm	7290	7590	8050
C	mm	4760	5060	5560
C'	mm	3550	3850	4350
D	mm	7960	8160	8490
D'	mm	6780	6980	7310
E	mm	5570	5780	6100
F	mm	2510	2170	1720
G	mm	3960	4500	4860
H	mm	2440	2330	2590
I	mm	4480	4800	5350

BREAKOUT FORCE:				
Bucket	daN	8800	8800	8800
Dipperstick	daN	7700	6000	5300



# E135 SRLC SPECIFICATIONS



## TIER-2 EMISSIONED ENGINE

Net flywheel power (ISO 14396) .....63 kW / 85 hp  
 Rated rpm ..... 2050  
 Make and model .....ISUZU - 4BG1TA  
 Type .....diesel 4-stroke, direct injection  
 Aspiration .....turbo  
 Number of cylinders ..... 4  
 Displacement .....4329 cm<sup>3</sup>  
 Bore x Stroke.....105 x 125 mm

### Electronic engine rpm control dial type

**Auto-idling selector** returns engine to minimum rpm when all controls are in neutral position.



## ELECTRICAL SYSTEM

Voltage .....24 V  
 Alternator ..... 30 A  
 Starter motor ..... 4.5 kW  
 Standard maintenance-free batteries .....2



## HYDRAULIC SYSTEM

**S.H.S. (Smart Hydraulic System) and computerised hydraulic pump delivery** for perfect controllability and simultaneity of all movements.

**Operating mode selector:** **H** – heavy duty  
**S** – standard  
**FC** – precision jobs

Main pumps:  
 Two variable delivery axial piston pumps  
 Pumps automatically revert to zero delivery with controls in neutral  
 Maximum delivery.....2 x 118 l/min  
 Piloting circuit gear type pump  
 Maximum delivery .....21 l/min

### Maximum operating pressure:

Equipment.....330 bar  
 Superstructure swivel .....265 bar  
 Travel.....350 bar  
 Pilot circuit.....50 bar

Hydraulic cylinders	Number	Bore	Stroke
Lift	2	100 mm	1038 mm
Penetration	1	115 mm	1150 mm
Bucket	1	95 mm	885 mm



## TRANSMISSION

Type.....hydrostatic, two-speed  
 Travel motors.....2, axial piston type, double displacement  
 Brakes.....automatic discs type  
 Final drives .....oil bath, planetary reduction  
 Gradeability (continuous) .....70% (35°)  
 Travel speeds  
 Low .....from 0 to 3.5 km/h  
 High .....from 0 to 6.0 km/h

Traction force .....13000 daN

**Automatic Down Shift device:** to move travel motors to maximum displacement position with selector on speed when greater traction is required.



## SWING

Swing motor .....axial piston type  
 Swing brake .....automatic discs type  
 Final drive .....oil bath, planetary reduction  
 Swing Ring .....oil bath type  
 Swing Speed.....11.7 rpm



## CAB AND CONTROLS

Transparent upper cab roof.  
 Automatic conditioning.  
 Controls .....piloted  
 Two cross path pattern levers actuate all equipment movements and superstructure swing  
 One lever for blade lower/lift .....(option)  
 Two pedals with detachable "hand" levers control all track movements, counter-rotation included.  
 A safety lever completely neutralizes the piloting circuit.



## UNDERCARRIAGE

HD track chain with sealed bushings  
 Rollers  
 Track rollers (each side) .....6  
 Carrier rollers (each side) .....1  
 Length of track on ground .....1990 mm  
 Gauge .....3035 mm  
 Shoes.....500 - 600 - 700 mm - triple grouser



## BLADE (option)

Width x Height .....2490 x 570 mm  
 Lift from ground .....490 mm  
 Lower to ground .....540 mm  
 Weight (including cylinders and frame).....600 Kg



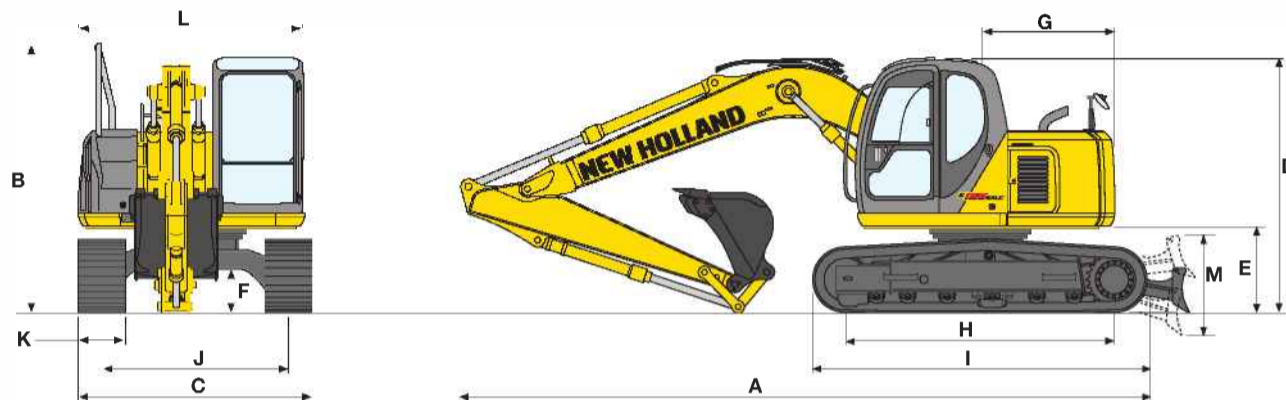
## CAPACITIES

Engine ..... litres  
 Lube oil .....13.0  
 Coolant .....18.0  
 Fuel tank .....168.0  
 Hydraulic reservoir ..... 140.0  
 Swing reduction.....1.7  
 Travel reduction (each) .....2.5



# ONE-PIECE BOOM

## DIMENSIONS (mm) - OPERATING WEIGHTS

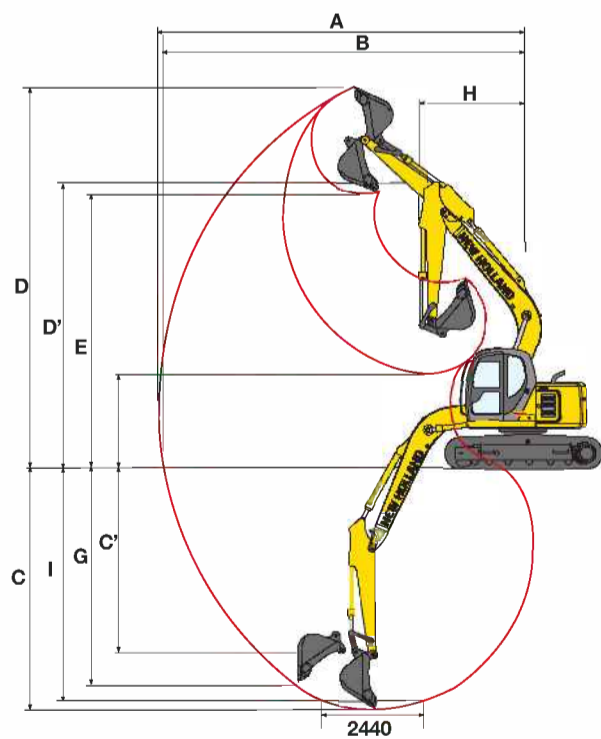


A	B	C	D	E	F	G	H	I	J	K	L	M
7470	2810	2490 (1)	2740	910	455	1425	3035	3470	1990	500	2410	1030

(1) 500 mm shoes

Shoes type		3 grouser steel		
K - Shoe width	mm	500	600	700
C - Maximum width	mm	2490	2590	2690
Operating weight (w/o blade)	kg	13600	13900	14100
Ground pressure	bar	0.41	0.35	0.31

## DIGGING PERFORMANCE



DIPPERSTICK	mm	2450	2950
A	mm	8340	8770
B	mm	8210	8650
C	mm	5500	6010
C'	mm	4290	4790
D	mm	8830	8860
D'	mm	7430	7660
E	mm	6200	6440
F	mm	2120	1650
G	mm	4960	5250
H	mm	2380	2650
I	mm	5300	5630

BREAKOUT FORCE:			
Bucket	daN	9000	9000
Dipperstick	daN	6500	6000



# E135 SRI

## SPECIFICATIONS

Same as E135SRLC except:



### HYDRAULIC SYSTEM

**S.H.S. (Smart Hydraulic System) and computerised hydraulic pump delivery** for perfect controllability and simultaneity of all movements.

**Operating mode selector:** **H** – heavy duty  
**S** – standard  
**FC** – precision jobs

Main pumps:

Two variable delivery axial piston pumps

Pumps automatically revert to zero delivery with controls in neutral

Maximum delivery.....2 x 118 l/min

Piloting circuit gear type pump

Maximum delivery .....21 l/min

**Maximum operating pressure:**

Equipment.....330 bar

Superstructure swivel .....265 bar

Travel.....377 bar

Pilot circuit.....50 bar

**Hydraulic cylinders**      Number      Bore      Stroke

Lift                              2              100 mm      1038 mm

Penetration                  1              115 mm      1150 mm

Bucket                         1              95 mm      885 mm



### TRANSMISSION

Type.....hydrostatic, two-speed

Travel motors.....2, axial piston type, double displacement

Brakes.....automatic discs type

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

Gradeability (continuous) .....70% (35%)

Travel speeds

Low.....from 0 to 2.8 km/h

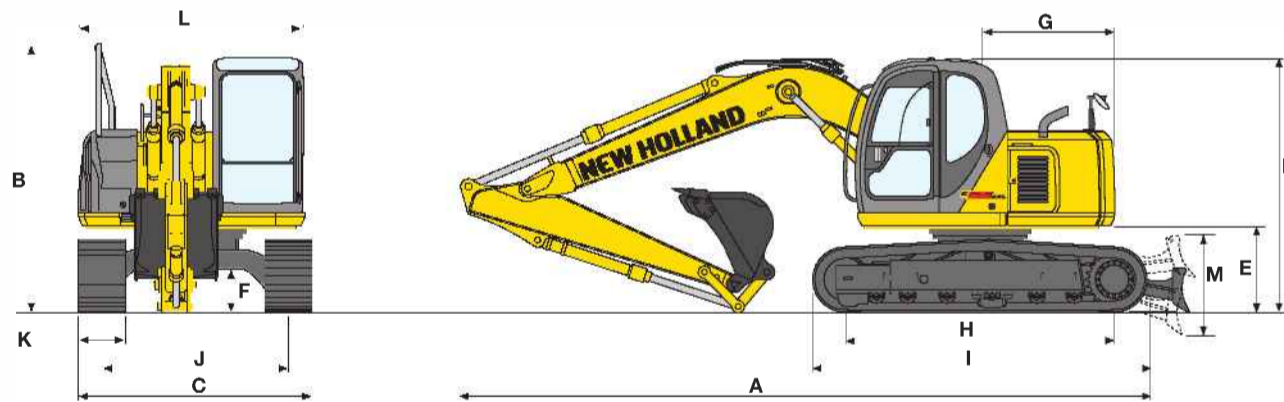
High .....from 0 to 5.1 km/h

Traction force .....16000 daN

**Automatic Down Shift device:** to move travel motors to maximum displacement position with selector on speed when greater traction is required.

## ONE-PIECE BOOM

### DIMENSIONS (mm) - OPERATING WEIGHTS



A	B	C	D	E	F	G	H	I	J	K	L	M
7470	2810	2840 (1)	2940	1100	600	1425	2990	3800	2040	800	2410	1030

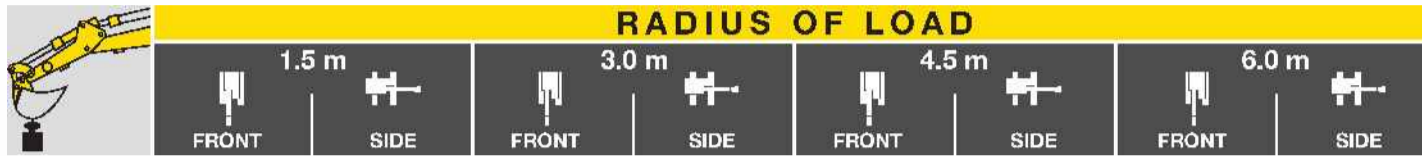
(1) 800 mm shoes

Shoes type	3 grouser steel	
K - Shoe width	mm	800
C - Maximum width	mm	2840
Operating weight (w/o blade)	kg	16000
Ground pressure	bar	0.30

# LIFTING CAPACITY

2200 mm Dipperstick - 600 mm shoes

VALUES ARE EXPRESSED IN KILOS



## E115SR ONE-PIECE BOOM

HEIGHT	1.5 m		3.0 m		4.5 m		6.0 m	
	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE
+6.0 m					2200*	2200*		
+4.5 m					2500*	2500*		
+3.0 m			4100*	4100*	3100*	2500	2000	1500
+1.5 m			6000*	4300	3100	2200	1900	1400
0 m			5900	3900	3000	2100	1900	1300
-1.5 m	5200*	5200*	5800	3900	2900	2000		
-3.0 m	8400*	8400*	5300*	4000	2900	2000		

2450 mm Dipperstick - 600 mm shoes

## E135SRLC ONE-PIECE BOOM

HEIGHT	1.5 m		3.0 m		4.5 m		6.0 m	
	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE
+4.5 m					3100*	3100*	2700*	1900
+3.0 m			5300*	5300*	3800*	3100	3100	1900
+1.5 m			7800*	5200	4700*	2800	2900	1700
0 m			7400*	4900	4500	2600	2800	1700
-1.5 m	5100*	5100*	8300*	4800	4400	2500	2800	1600
-3.0 m	8200*	8200*	7000*	4900	4400	2500		

2450 mm Dipperstick - 800 mm shoes

## E135SRL ONE-PIECE BOOM

HEIGHT	1.5 m		3.0 m		4.5 m		6.0 m	
	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE
+4.5 m					3180*	3180*	2880*	2430
+3.0 m			5650*	5650*	3960*	3740	3290*	2340
+1.5 m			8020*	6440	4860*	3470	3560	2230
0 m			7560*	6120	5410	3280	3460	2140
-1.5 m	5480*	5480*	8240*	6080	5330	3210	3420	2100
-3.0 m	8650*	8650*	6830*	6190	4560*	3250		

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.

Only for E135SRLC /- E135SRL

BUCKETS		
SAE CAPACITY	WIDTH	N° THEETH
0.42 m <sup>3</sup>	750 mm	4
0.46 m <sup>3</sup>	850 mm	4
0.54 m <sup>3</sup>	950 mm	5
0.70 m <sup>3</sup>	1000 mm	5





## PARTS & SERVICE

**T**he New Holland dealer network is, in itself, the best guarantee of continued productivity for the machines it delivers to its customers. New Holland service technicians are fully equipped to resolve all maintenance and repair issues, with each and every service point providing the high standards they are obliged to observe under New Holland's stringent quality guidelines. The New Holland global parts network ensures fast, reliable, replacement parts for less downtime, increased productivity and, of course, profitable operation for its customers.

AT YOUR OWN DEALERSHIP

The information contained in this brochure is intended to be a general nature only. The NEW HOLLAND KOBELCO CONSTRUCTION MACHINERY S.p.A. company may at any time and from time to time, for technical or other necessary reasons, modify any of the details or specifications of the product described in this brochure. Illustrations do not necessarily show products in standard conditions. The dimensions, weights and capacities shown herein, as well as any conversion data used, are approximate only and are subject to variations within normal manufacturing techniques.

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A product of the global alliance between CNH and KOBELCO



**NEW HOLLAND IS A BRAND OF CNH.  
CNH: THE TOTAL SOLUTIONS CHOICE FOR YOUR SPECIFIC BUSINESS NEEDS.**