



NEW HOLLAND

E18_{SR}

NEW HOLLAND KOBELCO



	E18SR
NET FLYWHEEL POWER	11.3 kW - 15.2 hp
OPERATING WEIGHT (MAX)	1 650 kg
REAR END SWING RADIUS	660 mm
BUCKET CAPACITY	44 l



E18SR*

A GREAT SMALL GENIUS



NEW ENGINE Little powerful engine

The E18SR mounts a top class, last generation engine with a small displacement, low fuel consumption, environmentally friendly and with an exceptional high power

11.3 kw / 15.2 hp

COMPACT AND STABLE Compact, variable gauge undercarriage, and foldable blade

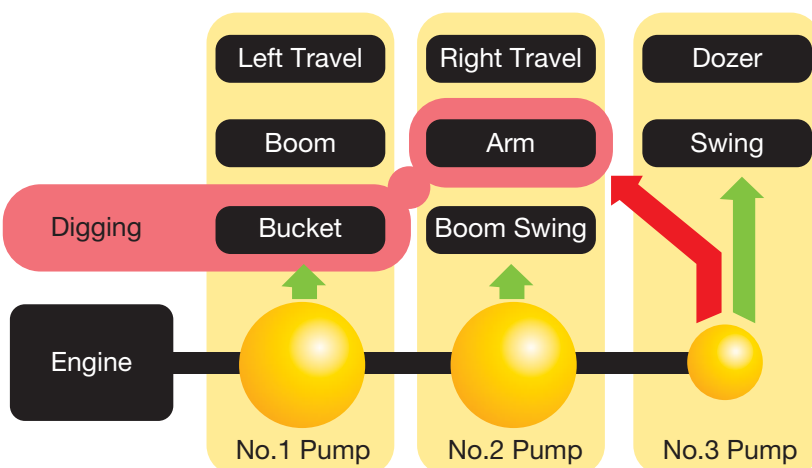
Features which grant the operator:

- Zero tail overhang, for easy working condition in very tight space and no concern about what is happening behind the machine
- A small working distance of only 2120 mm, to safely work in very tight quarters
- To enjoy the comfortable and safe stability of the machine with fully extended undercarriage gauge and blade
- To use the narrow undercarriage gauge and folded blade to go through very narrow passages
- To easily load the machine on a 2.0 tonne truck

OUTSTANDING HYDRAULIC PERFORMANCE

Same solution of upper class models: integrated flow pump system

The instant the machine begins to dig, extra output from the third pump (which otherwise powers the swing and dozer circuits) is directed to the arm circuit for added power and speed. This ensures, even under heavy loads, fast and smooth arm operation and total simultaneous movements.



New, efficient, comfortable, durable and economic: a great small genius to boost your profitability.

* A product of the global alliance between NEW HOLLAND and KOBELCO

SPECIFICATIONS



MAIN FEATURES

Net flywheel power (ISO14396 / ECE R 120).....	11.3 kW/15.2 hp
Operating weight with rubber shoes and canopy	1650 kg
Rear swing radius.....	660 mm
Maximum digging depth.....	2370 mm
Breakout force: bucket.....	15.2 kN
dipper stick (980 mm).....	11.3 kN
Transport length	3420 mm
Transport width (retracted track).....	990 mm
Transport height with canopy	2350 mm
Max bucket capacity	44 l



ENGINE

Make/Model.....	MITSUBISHI / L3E-W231KBS
Type	4-stroke diesel
Number of cylinders	3
Displacement	0.95 litres
Bore x Stroke	76 x 70 mm
Governed rpm.....	2200
Maximum torque at 1800 rpm	53.5 Nm



ELECTRICAL SYSTEM

Batteries.....	1 x 38 Ah
Voltage	12 V
Alternator	40 A
Starter motor.....	1.6 kW



HYDRAULIC SYSTEM

S.H.S. (Smart Hydraulic System) with two axial piston variable displacement pumps and one gear pump for completely fully simultaneous movements, including blade and slewing.

The three pumps ensure full use of all installed hydraulic power in individual and combined movements.

Pumps:

Variable displacement pump delivery.....	2 x 16.3 l/min
Gear pump delivery.....	11.4 l/min
Maximum operating pressure.....	216 bar



SWING

Hydraulic motor.....	axial piston type
Swing speed	9.0 rpm
Swing brake	hydraulic
Boom swing angle: - left	42°
- right	55°
Rear end swing radius.....	660 mm

The short rear end swing radius allows operating in narrow spaces.



UNDERCARRIAGE

Length of track on ground.....	1210 mm
Gauge (track retracted/extended)	760 - 1090 mm
Shoe width (Rubber).....	230 mm
Ground pressure	0.24 bar
Lower rollers	3
Travel speeds	2
Travel speed range.....	2.0/4.0 km/h
Maximum continuous slope	58% (30°)



BLADE

Type	foldable
Width x Height	990 - 1320 x 250 mm
Blade lift	280 mm
Blade lower	270 mm

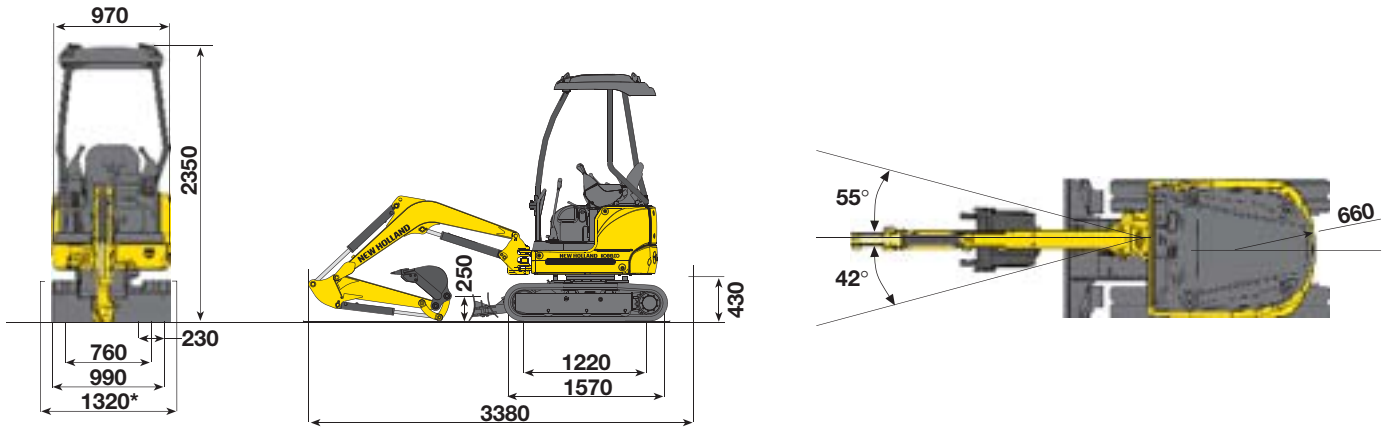


CAPACITIES

	litres
Fuel.....	22.0
Coolant	3.7
Engine oil	3.5
Hydraulic system.....	15.0

E18SR

DIMENSIONS (mm)

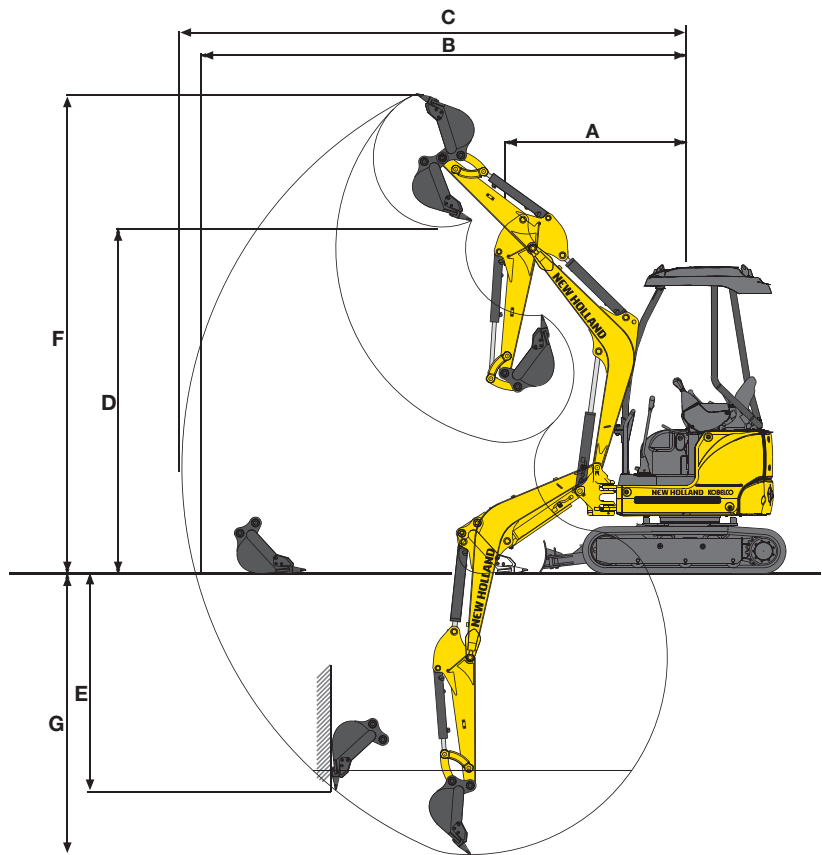


*with extended track gauge

DIGGING PERFORMANCE

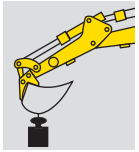
DIPPERSTICK	mm	980	1200
A	mm	1610	1680
B	mm	3790	4020
C	mm	3890	4120
D	mm	2650	2750
E	mm	1660	1920
F	mm	3670	3880
G	mm	2160	2370
Blade max lifting	mm	290	290
Blade max lowering	mm	270	270

BREAKOUT FORCE			
BUCKET	kN	15.2	15.2
DIPPERSTICK	kN	11.3	8.8



LIFTING CAPACITY

VALUES ARE EXPRESSED IN TONNES



RADIUS OF LOAD

0.8 m		1.5 m		2.3 m		3.0 m		At max reach		REACH m
FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	

E18SR DIPPERSTICK 980 mm

BLADE UP

HEIGHT											
+3.0 m									0.34 *	0.34 *	2.14
+2.3 m					0.31 *	0.31 *			0.22	0.22	2.91
+1.5 m					0.33	0.33	0.20	0.20	0.17	0.17	3.27
+0.8 m			0.58	0.56	0.30	0.30	0.19	0.19	0.15	0.15	3.36
0			0.56	0.54	0.28	0.28	0.18	0.18	0.16	0.16	3.24
-0.8 m	1.04 *	1.04 *	0.57	0.55	0.28	0.28			0.19	0.19	2.85
-1.5 m			0.50 *	0.50 *					0.34 *	0.34 *	1.98

E18SR DIPPERSTICK 980 mm

BLADE DOWN

HEIGHT											
+3.0 m									0.34 *	0.34 *	2.14
+2.3 m					0.31 *	0.31 *	0.33 *	0.20	0.32 *	0.22	2.91
+1.5 m					0.39 *	0.33	0.37 *	0.19	0.32 *	0.17	3.27
+0.8 m			0.73 *	0.56	0.54 *	0.30	0.39 *	0.18	0.34 *	0.15	3.36
0			0.95 *	0.54	0.61 *	0.28			0.35 *	0.16	3.24
-0.8 m	1.04 *	1.04 *	0.97 *	0.55	0.55 *	0.28			0.37 *	0.19	2.85
-1.5 m			0.50 *	0.50 *					0.34 *	0.34 *	1.98

E18SR DIPPERSTICK 980 mm + 80 kg COUNTERWEIGHT

BLADE UP

HEIGHT											
+3.0 m									0.34 *	0.34 *	2.14
+2.3 m					0.31 *	0.31 *			0.25	0.25	2.91
+1.5 m					0.33	0.33	0.20	0.20	0.20	0.19	3.27
+0.8 m			0.58	0.56	0.30	0.30	0.19	0.19	0.18	0.18	3.36
0			0.56	0.54	0.28	0.28	0.18	0.18	0.19	0.19	3.24
-0.8 m	1.04 *	1.04 *	0.57	0.55	0.28	0.28			0.23	0.23	2.85
-1.5 m			0.50 *	0.50 *					0.34 *	0.34 *	1.98

E18SR DIPPERSTICK 980 mm + 80 kg COUNTERWEIGHT

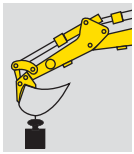
BLADE DOWN

HEIGHT											
+3.0 m									0.34 *	0.34 *	2.14
+2.3 m					0.31 *	0.31 *			0.32 *	0.25	2.91
+1.5 m					0.39 *	0.37	0.33 *	0.23	0.32 *	0.19	3.27
+0.8 m			0.73 *	0.64	0.54 *	0.34	0.37 *	0.21	0.34 *	0.18	3.36
0			0.95 *	0.62	0.61 *	0.32	0.39 *	0.21	0.35 *	0.19	3.24
-0.8 m	1.04 *	1.04 *	0.97 *	0.63	0.55 *	0.32			0.37 *	0.23	2.85
-1.5 m			0.50 *	0.50 *					0.34 *	0.34 *	1.98

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

0.8 m		1.5 m		2.3 m		3.0 m		At max reach		REACH m
FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	

E18SR DIPPERSTICK 1200 mm

BLADE UP

HEIGHT											
+3.0 m									0.29	0.28	2.54
+2.3 m							0.20	0.20	0.18	0.18	3.20
+1.5 m					0.33 *	0.33 *	0.19	0.19	0.14	0.14	3.51
+0.8 m			0.60	0.58	0.30	0.30	0.18	0.18	0.13	0.13	3.60
0	0.46 *	0.46 *	0.55	0.53	0.27	0.27	0.17	0.17	0.13	0.13	3.48
-0.8 m	0.83 *	0.83 *	0.55	0.53	0.27	0.26	0.17	0.17	0.16	0.16	3.13
-1.5 m	1.30 *	1.30 *	0.57	0.55	0.28	0.28			0.25	0.25	2.42

E18SR DIPPERSTICK 1200 mm

BLADE DOWN

HEIGHT											
+3.0 m									0.29 *	0.28	2.54
+2.3 m							0.28 *	0.20	0.28 *	0.18	3.20
+1.5 m					0.33 *	0.33 *	0.30 *	0.19	0.28 *	0.14	3.51
+0.8 m			1.03 *	0.58	0.48 *	0.30	0.35 *	0.18	0.29 *	0.13	3.60
0	0.46 *	0.46 *	0.88 *	0.53	0.59 *	0.27	0.38 *	0.17	0.31 *	0.13	3.48
-0.8 m	0.83 *	0.83 *	1.06 *	0.53	0.56 *	0.26	0.35 *	0.17	0.32 *	0.16	3.13
-1.5 m	1.30 *	1.30 *	0.68 *	0.55	0.36 *	0.28			0.32 *	0.25	2.42

E18SR DIPPERSTICK 1200 mm + 80 kg COUNTERWEIGHT

BLADE UP

HEIGHT											
+3.0 m									0.29 *	0.29 *	2.54
+2.3 m							0.23	0.23	0.21	0.21	3.20
+1.5 m					0.33 *	0.33 *	0.23	0.22	0.17	0.17	3.51
+0.8 m			0.68	0.65	0.35	0.34	0.21	0.21	0.15	0.15	3.60
0	0.46 *	0.46 *	0.63	0.61	0.32	0.31	0.20	0.20	0.16	0.16	3.48
-0.8 m	0.83 *	0.83 *	0.63	0.61	0.31	0.31	0.20	0.20	0.19	0.19	3.13
-1.5 m	1.30 *	1.30 *	0.66	0.63	0.32	0.32			0.29	0.29	2.42

E18SR DIPPERSTICK 1200 mm + 80 kg COUNTERWEIGHT

BLADE DOWN

HEIGHT											
+3.0 m									0.29 *	0.29 *	2.54
+2.3 m							0.28 *	0.23	0.28 *	0.21	3.20
+1.5 m					0.33 *	0.33 *	0.30 *	0.22	0.28 *	0.17	3.51
+0.8 m			1.03 *	0.65	0.48 *	0.34	0.35 *	0.21	0.29 *	0.15	3.60
0	0.46 *	0.46 *	0.88 *	0.61	0.59 *	0.31	0.38 *	0.20	0.31 *	0.16	3.48
-0.8 m	0.83 *	0.83 *	1.06 *	0.61	0.56 *	0.31	0.35 *	0.20	0.32 *	0.19	3.13
-1.5 m	1.30 *	1.30 *	0.68 *	0.63	0.36 *	0.32			0.32 *	0.29	2.42

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.

AT YOUR OWN DEALERSHIP

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