

KOBELCO

SK180LC-10/SK180N-10

SK180_{LC} SK180_N

Power Meets Efficiency

To urban centers, and to mines around the world. Kobelco's all-out innovation brings you durable earth-friendly construction machinery that's equal to any task, at sites all over the planet. With their powerful working performance, outstanding fuel economy, durability to withstand long hours of continuous operation, and care for environment, SK series machines excel in all respects. Now two new models, SK180LC and SK180N, are joining the line-up.

Efficient Performance!

Top-Class Powerful Digging

Max. arm crowding force: **82.3 kN**
With Power Boost **90.6 kN**

Max. bucket digging force: **114 kN**
With Power Boost **126 kN**

Powerful Travel

Drawbar pulling force: **231 kN**

High Output Engine

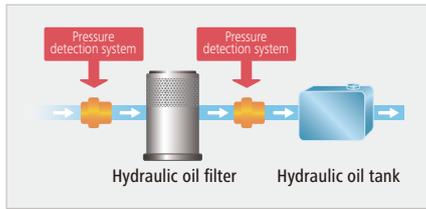
Power Output: **100 kW/2,000 min⁻¹** (ISO 14396)



We Save You Fuel
Achieving a Low-Carbon Society

Excellent Durability!

Hydraulic Oil Filter Clogging Detector



Pressure sensors at the inlet and outlet of the hydraulic oil filter monitor pressure difference to assess the degree of clogging. If the pressure difference exceeds a set level, a warning appears on the multi-display, so the filter can be cleaned before contamination reaches the hydraulic oil tank.

Hydraulic Oil Filter



Recognized as the best in the industry, our super-fine filter separates out even the smallest particles. New cover prevents contamination when changing filters.

SPECIFICATIONS

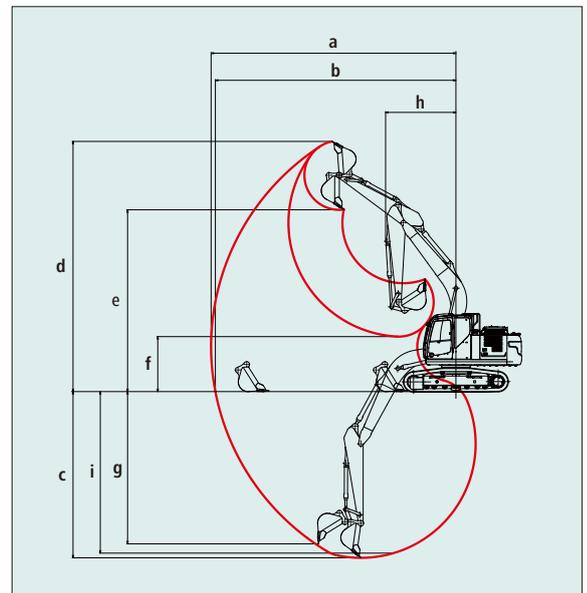
MODEL		SK180LC	SK180N
Type		SK180LC-10	SK180N-10
PERFORMANCE			
Bucket Capacity (ISO heaped)	m ³		0.63
Swing Speed	min ⁻¹		12.3
Travel Speed (high/low)	km/h		4.7/2.8
Gradeability	% (degree)		70 (35)
Bucket Digging Force	kN		114/126*
Arm Crowding Force	kN		82.3/90.6*
Drawbar Pulling Force	kN		231
WEIGHT			
Operating Weight	kg	19,600	18,800
Ground Pressure	kPa	41	52
Shoe Width	mm	600	500
ENGINE			
Model		HINO J05EUM-KSST	
Type		Direct injection, water-cooled, 4-cycle, 4-cylinder diesel engine with intercooler turbo-charger (Stage IV-compliant engine)	
Power Output	(ISO 9249) kW/min ⁻¹	95/2,000	
	(ISO 14396) kW/min ⁻¹	100/2,000	
Max.Torque	(ISO 9249) N·m/min ⁻¹	482/1,600	
	(ISO 14396) N·m/min ⁻¹	502/1,600	
Displacement	L	5.123	
Fuel Tank	L	280	
DEF Tank	L	33.9	
HYDRAULIC SYSTEM			
Pump		Two variable displacement pumps + One gear pump	
Max. Discharge Flow	L/min	160 x 2, 20 x 1	
Relief Valve Setting (main)/(Power Boost) MPa		34.3/{37.8}	
Swing Motor		Axial piston motor	
Travel Motors		2 x axial-piston, two-step motors	
Hydraulic Oil Tank (system)	L	122 (200)	

*Power Boost engaged

WORKING RANGES

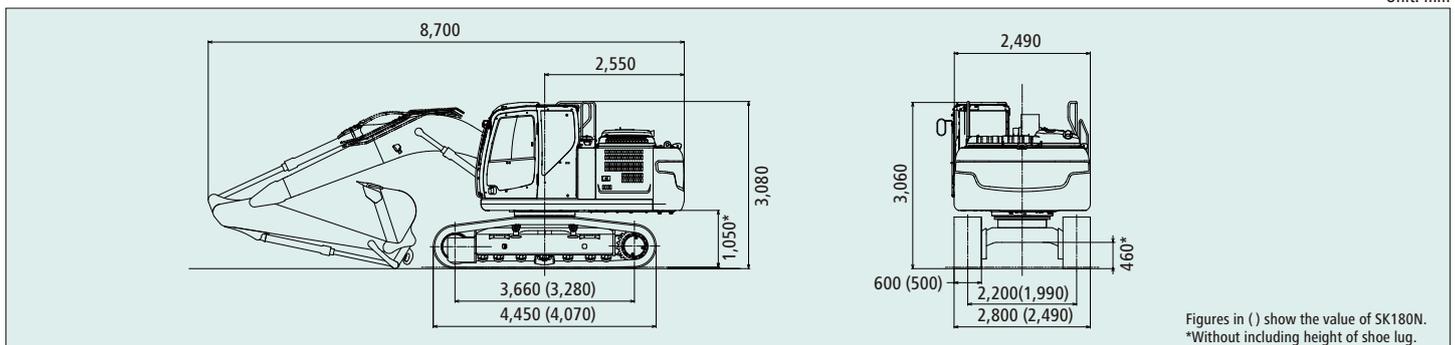
Unit: m

MODEL	SK180LC	SK180N
Arm length	2.60 m	
a- Max. digging reach	8.97	
b- Max. digging reach at ground level	8.80	
c- Max. digging depth	5.99	
d- Max. digging height	9.35	
e- Max. dumping clearance	6.70	
f- Min. dumping clearance	2.65	
g- Max. vertical wall digging depth	5.45	
h- Min. swing radius	2.71	
i- Digging depth for 8' (2.4 m) flat bottom	5.76	
Bucket capacity (ISO heaped)	0.63 m ³	



GENERAL DIMENSIONS

Unit: mm



Figures in () show the value of SK180N.
*Without including height of shoe lug.

Note: This catalog may contain attachments and optional equipment that are not available in your area. And it may contain photographs of machines with specifications that differ from those of machines sold in your areas. Please consult your nearest KOBELCO distributor for those items you require. Due to our policy of continuous product improvements all designs and specifications are subject to change without advance notice. Copyright by **KOBELCO CONSTRUCTION MACHINERY CO., LTD.** No part of this catalog may be reproduced in any manner without notice.

KOBELCO CONSTRUCTION MACHINERY CO., LTD.

5-15 kitashinagawa 5-chome, Shinagawa-ku, Tokyo 141-8626 JAPAN
Tel: +81 (0) 3-5789-2146 Fax: +81 (0) 3-5789-2135
www.kobelco-kenki.co.jp/english_index.html

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Inquiries To: