

بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ

ދިވެހިސަރުކާރުގެ ގެޒެޓް އިދާރާތަކުން ނެރެވިފައިވާ ސަރުކާރުގެ ބަޔާން

ސަރުކާރުގެ ބަޔާން، ދިވެހިސަރުކާރުގެ ގެޒެޓް

info@inguraidhoo.gov.mv
6580028



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މި ބަޔާނުގެ ނަންބަރު 02

މި ބަޔާނުގެ ނަންބަރު: (IUL)309-ESM/309/2024/113

މި ބަޔާނުގެ ތާރީޚު: 12 ސެޕްޓެމްބަރު 2024

މި ބަޔާނުގެ ނަންބަރު: ސަރުކާރުގެ ބަޔާން ނަންބަރު



Specifications

SK75
SK75-11

Engine

Model	YANMAR 4TNV98-AVYBNC
Type	Four-stroke, 4 cylinder, Water-cooled, Direct Injection Diesel Engine
No. of cylinders	4
Bore and stroke	98 mm x 110 mm
Displacement	3.318 L
Power output	41.8 kW/2,100 min ⁻¹ (ISO 9249: with fan) 44.4 kW/2,100 min ⁻¹ (ISO 14396: without fan)
Max. torque	235 N.m/1,350 min ⁻¹ (ISO 9249: with fan) 240 N.m/1,350 min ⁻¹ (ISO 14396: without fan)

Hydraulic system

Pump	
Type	Variable displacement axial piston pumps + one gear pump
Max. discharge flow	1 x 126 L/min 1 x 17 L/min
Relief valve setting	
Boom, arm and bucket	29.4 Mpa
Travel circuit	29.4 Mpa
Swing circuit	24.5 Mpa
Control circuit	3.5 Mpa
Main control valves	8-spool
Oil cooler	Air cooled type

Swing system

Swing motor	One fixed displacement piston motor
Brake	Hydraulic; locking automatically when the swing control lever is in the neutral position
Parking brake	Wet multiple plate
Swing speed	11.3 min ⁻¹
Tail swing radius	1,750 mm

Attachments

Backhoe bucket and combination

Use	Backhoe bucket	
	Normal digging	
Bucket capacity	ISO heaped	m ³
	struck	m ³
Opening width	With side cutter	mm
	Without side cutter	mm
No. of teeth		5
Bucket weight	kg	270
Combination	1.71m standard arm	⊗

⊗ Standard

Travel system

Travel motors	Variable displacement axial piston, two-speed motors
Travel brakes	Hydraulic brake
Parking brakes	Wet multiple plate
Travel shoes	39 each side
Travel speed	2.6/5.0 km/h
Drawbar pulling force	71.5 kN (SAE)
Gradeability	58% (30°)

Cab & control

Cab	
All-weather, sound-suppressed steel cab mounted on the silicon-sealed viscous mounts and equipped with a heavy, insulated floor mat	
Control	
Two hand levers and two foot pedals for travel	
Two hand levers for excavating and swing	
Electric rotary-type engine throttle	

Boom, arm & bucket

Boom cylinders	110 mm x 916 mm
Arm cylinder	95 mm x 833 mm
Bucket cylinder	80 mm x 735 mm

Refilling capacities & lubrications

Fuel tank	140 L
Cooling system	12.4 L
Engine oil	11.3 L
Travel reduction gear	2 x 1.3 L
Swing reduction gear	1.5 L
Hydraulic oil tank	67 L tank oil level 107 L hydraulic system



SK75-11

Specifications

Working ranges

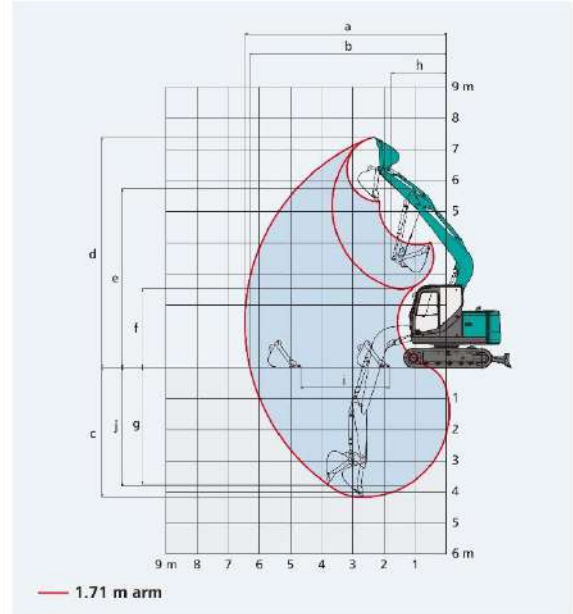
Unit: m

Boom	3.84 m
Arm	1.71 m
Range	1.71 m
a- Max. digging reach	6.47
b- Max. digging reach at ground level	6.31
c- Max. digging depth	4.17
d- Max. digging height	7.39
e- Max. dumping clearance	5.32
f- Min. dumping clearance	2.52
g- Max. vertical wall digging depth	3.74
h- Min. swing radius	1.79
i- Horizontal digging stroke at ground level	2.85
j- Digging depth for 2.4 m (8') flat bottom	3.81
Bucket capacity ISO heaped m ³	0.40

Digging force (ISO 6015)

Unit: kN

Arm length	1.71 m
Bucket digging force	52.7
Arm crowding force	39.4



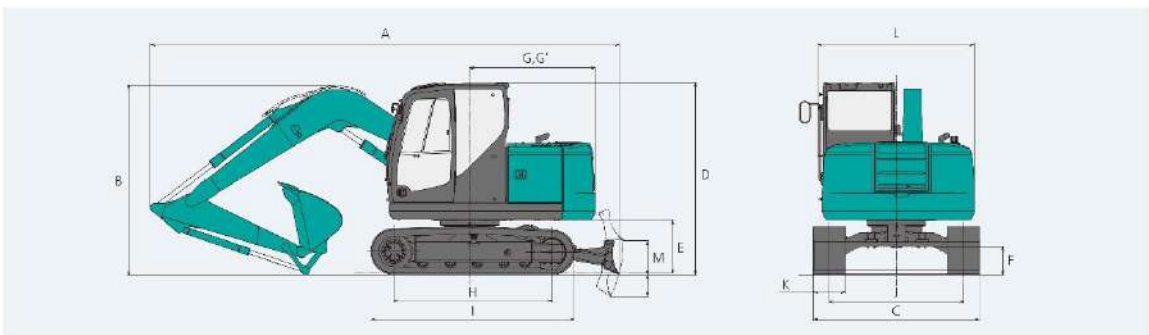
Dimensions

Unit: mm

Arm length	1.71 m
A Overall length	6,540
B Overall height (to top of boom)	2,650
C Overall width	2,320
D Overall height (to top of cab)	2,680
E Ground clearance of rear end*	745
F Ground clearance*	360

G Tail swing radius	1,750
G' Distance from centre of swing to rear end	1,750
H Tumbler distance	2,210
I Overall length of crawler	2,830
J Track gauge	1,870
K Shoe width	450
L Overall width of upperstructure	2,180
M Dozer blade (up/down)	475 / 305

*Without including height of shoe lug



Operating weight & ground pressure

In standard trim, with standard boom, 1.71 m arm, and 0.40 m³ ISO heaped bucket

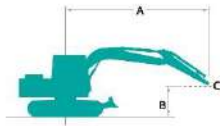
Shaped		Triple grouser shoes (even height)	
Shoe width	mm	450	600
Overall width of crawler	mm	2,320	without dozer 2,470 / with dozer 2,490
Ground pressure	kPa	without dozer	33
		with dozer	25
Operating weight	kg	without dozer	35
		with dozer	27
		without dozer	7,230
		with dozer	7,510
			8,070



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Lift capacities

SK75
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A: Reach from swing centerline to arm top
 B: Arm top height above/below ground
 C: Lift point
 Bucket: Without bucket
 Relief valve setting: 29.4 MPa (300kgf/cm²)

SK75		Arm: 1.71m Bucket: without, Shoe: 450 Dozer: up								
		1.5 m		3.0 m		4.5 m		At max. reach		
A \ B										Radius
6.0 m	kg							*2,200	*2,200	2.89 m
4.5 m	kg			*2,320	*2,320			*1,810	1,700	4.47 m
3.0 m	kg			*2,900	*2,900	1,840	1,640	1,450	1,310	5.19 m
1.5 m	kg			3,260	2,810	1,750	1,560	1,320	1,180	5.42 m
G.L.	kg			3,120	2,680	1,680	1,500	1,360	1,220	5.22 m
-1.5 m	kg	*4,200	*4,200	*3,000	2,680	1,680	1,500	1,660	1,480	4.53 m
-3.0 m	kg			*1,340	*1,340			*1,300	*1,300	3.03 m

SK75		Arm: 1.71m Bucket: without, Shoe: 450 Dozer: without								
		1.5 m		3.0 m		4.5 m		At max. reach		
A \ B										Radius
6.0 m	kg							*2,200	*2,200	2.89 m
4.5 m	kg			*2,320	*2,320			*1,810	1,580	4.47 m
3.0 m	kg			*2,900	2,890	1,850	1,530	1,470	1,210	5.19 m
1.5 m	kg			3,290	2,610	1,760	1,440	1,330	1,090	5.42 m
G.L.	kg			3,150	2,480	1,700	1,380	1,380	1,130	5.22 m
-1.5 m	kg	*4,200	*4,200	*3,000	2,480	1,700	1,380	1,680	1,370	4.53 m
-3.0 m	kg			*1,340	*1,340			*1,300	*1,300	3.03 m

1. Do not attempt to lift or hold any load that is greater than these lift capacities at their specified lift point radius and heights. Weight of all accessories must be deducted from the above lift capacities.
2. Lift capacities are based on machine standing on level, firm, and uniform ground. User must make allowance for job conditions such as soft or uneven ground, out of level conditions, side loads, sudden stopping of loads, hazardous conditions, experience of personnel, etc.
3. Arm top is defined as lift point.
4. The above lift capacities are in compliance with ISO 10567. They do not exceed 87% of hydraulic lift capacity or 75% of tipping load. Lift capacities marked with an asterisk (*) are limited by hydraulic capacity rather than tipping load.
5. Operator should be fully acquainted with the Operator's and Maintenance Instructions before operating this machine. Rules for safe operation of equipment should be adhered to at all times.
6. Lift capacities apply to only machine as originally manufactured and normally equipped by KOBELCO CONSTRUCTION MACHINERY CO., LTD.



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STANDARD EQUIPMENT

ENGINE

- Engine: YANMAR 4TNV98-AVYBNC
- Direct Injection Diesel Engine
- Auto Idle Stop
- Automatic engine deceleration
- Batteries (2 x 12 V - 90 Ah)
- Starting motor 124 V - 2.3 KW, 50 amp alternator
- Engine oil pan drain cock
- Double element air cleaner

CONTROL

- Working mode selector:
 - H4-mode, S-mode and ECO-mode

SWING SYSTEM & TRAVEL SYSTEM

- Swing rebound prevention system
- Straight propel system
- Two-speed travel with automatic shift down
- 150 mm steel shoes
- Grease-type track adjusters
- Automatic swing brake

MIRRORS, LIGHTS & CAMERAS

- Left side rear view mirror
- Two front working lights

OTHER EQUIPMENT

- Cab top work lights (two lights)
- 600mm shoe
- Sweeper piling
- Height adjustable seat
- Dozer Blade

Note: Standard and optional equipment may vary. Consult your KOBELCO dealer for specifics.

CAB & CONTROL

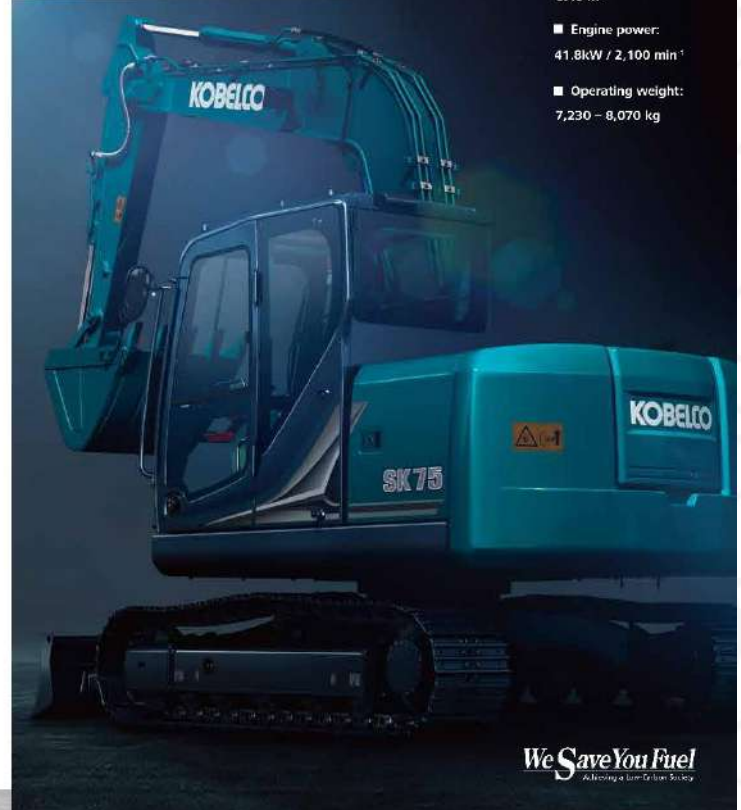
- Two control levers, pilot-operated
- Horn, electric
- Integrated left/right slide-type control box
- LED Room light (interior)
- Coat hook
- Large cup holder
- Detachable two-piece floor mat
- Mechanical suspension seat
- Retractable seatbelt
- Headlamps
- Handrails
- Intermittent windshield wiper with double-spray washer
- Tinted safety glass
- Pull-type front window and removable lower front window
- Color multi display
- Automatic air conditioner
- Emergency escape hammer
- TV power outlet
- ROPS/EXOS
- Level indicator

KOBELCO

SK75

SK75-11

Performance X Design



- Bucket capacity: 0.40 m³
- Engine power: 41.8kW / 2,100 min⁻¹
- Operating weight: 7,230 – 8,070 kg

Note: This catalogue 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 area. 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 catalogue may be reproduced in any manner without notice.

KOBELCO CONSTRUCTION MACHINERY CO., LTD.
 2-15, Kikuhinokawa 3-chome, Shimaguchi-KU, Tokyo 119-0226 JAPAN
 Tel: +81 (0) 3-5789-2146 Fax: +81 (0) 3-5789-2135
<http://www.kobelco.com/global/en/>

Inquires To:

SK75-11-SEASIA-B-101-2011XOE

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 Achieving a Low-Carbon Society



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