STANDARD EQUIPMENT

ENGINE
- Engine, YANMAR 4TNV98-AVYBNC, Direct Injection Diesel Engine
- Auto Idle Stop
- Automatic engine deceleration
- Batteries (2 x 12 V - 80 Ah)
- Starting motor (24 V - 3.5 kW), 60 amp alternator
- Engine oil pan drain cock
- Double element air cleaner

CONTROL
- Working mode selector (H-mode, S-mode and ECO-mode)

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

MIRRORS, LIGHTS & CAMERAS
- Left side rear view mirror
- Two front working lights

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
- Headrest
- 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
- 12V power outlet
- KOMEXS
- Level indicator

OPTIONAL EQUIPMENT

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

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

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 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.

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SK75-11-SEASIA-B-101-2011XXE

KOBELCO

SK75

Performance X Design

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

We Save You Fuel
Achieving a Low-Carbon Society

Performance X Design

SK75 of KOBELCO has realised a completely new value by harmonising PERFORMANCE – greater efficiency and productivity with an increased power and speed and DESIGN – operator-based operability and comfort, refusing to accept any compromises.

In pursuit of unique and matchless machines which are unforgettable once you use them, KOBELCO will continue to rise to meet every challenge.

THE ULTIMATE IN SIMPLE AND ELEGANT DESIGN

Our pursuit of functional beauty and aesthetic sense produced a new interior design.

LED backlights

The switches and dials have LED backlights – they provide a bright, clear view in the dark and set a luxurious mood.

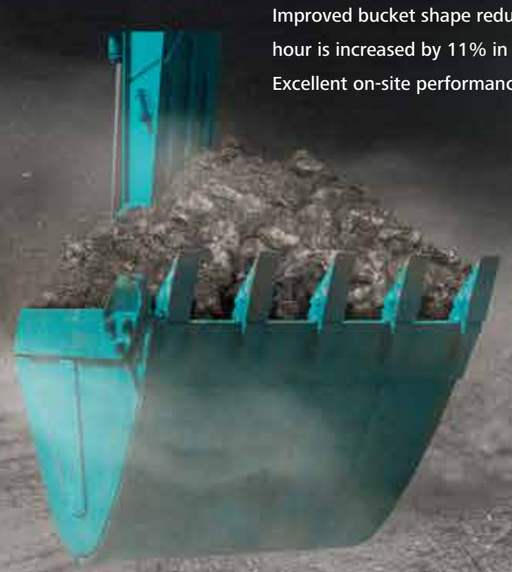
Left Side Console

Flip up left console, with integrated pilot control lock lever, tilts for easy entry and exit from the cab.

EXPERIENCING A COMPETENT PERFORMANCE

Digging volume is greatly increased during practical use resulting in improved productivity.

Improved bucket shape reduces resistance during excavation. As a result, digging volume per hour is increased by 11% in H-mode and 6% in S-mode compared to conventional machines. Excellent on-site performance leads to improved productivity.



Bucket capacity

0.4m^3 as Standard
ISO7451

Bucket Digging Force

52.7kN ISO6015

Digging volume per hour
Increased by

11% in H-mode
6% in S-mode
(Compared to SK75-8)

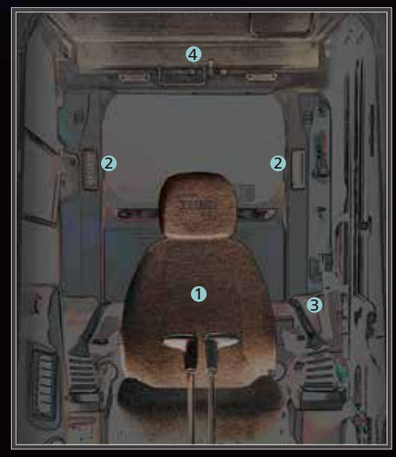
Model: YANMAR 4TNV98-AVYBNC

Engine output

41.8kW/2,100min^{-1}
ISO9249 With fan

*Dozer blade is fitted as an option.

UNFORGETTABLE COMFORT



❶ Suspension seat

A suspension seat is installed as standard equipment, which achieves excellent shock absorption and superior ride comfort.

❷ Air conditioner blowing from the rear

Air is blown against the operator's waist and the back of their head, offering more comfortable operation.

❸ Lever angles allow for comfortable operations

The operator can move the levers horizontally without twisting their wrist, which reduces the fatigue caused by the operations.

❹ LED door light

The LED interior light automatically turns on when the door is opened or when the ignition is set to OFF. This ensures easy entry and exit at nighttime.

Color Multi-display

Brilliant colors differentiate multiple graphics on cab LCD. Graphics indicate fuel consumption, maintenance intervals and more.

1. Analog-style gauges provide an intuitive reading of fuel level and engine temperature
2. Digging mode switch
3. Monitor display switch

One-touch attachment mode switch

A simple flick of switch converts the hydraulic circuit and flow amount to match attachments*. Helpful icons let the operator confirm the proper configuration at a glance.

*Mode for demolition attachments is not available.

KOMEXS KOBELCO MONITORING EXCAVATOR SYSTEM

Customer

KOBELCO office

KOBELCO service personnel

Remote Monitoring for Peace of Mind

KOMEXS uses satellite communication and internet to relay data, and therefore can be deployed in areas where other forms of communication are difficult.
When a hydraulic excavator is fitted with this system, data on the machine's operation, such as operating hours, location, fuel consumption, and maintenance status can be obtained remotely.

Direct Access to Operational Status

Location Data

•Accurate location data can be obtained even from sites where communications are difficult.

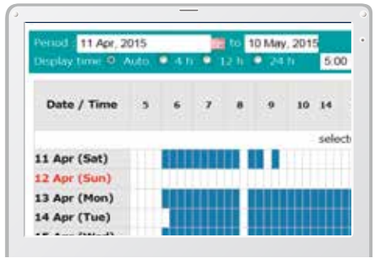
Latest location

Location records

Work data

Operating Hours

•A comparison of operating times of machines at multiple locations shows which locations are busier and more profitable.
•Operating hours on site can be accurately recorded, for running time calculations needed for rental machines, etc.



Daily report

Graph of Work Content

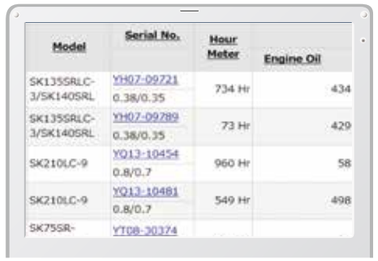
•The graph shows how working hours are divided among different operating categories, including digging, idling, travelling and optional operations.

Work status

Maintenance Data and Warning Alerts

Machine Maintenance Data

•Provides maintenance status of separate machines operating at multiple sites.
•Maintenance data is also relayed to KOBELCO service personnel, for more efficient planning of periodic servicing.



Model	Serial No.	Hour Meter	Engine Oil
SK135SRLC-3/SK140SRL	YH07-09721 0.38/0.35	734 Hr	434
SK135SRLC-3/SK140SRL	YH07-09789 0.38/0.35	73 Hr	429
SK210LC-9	YQ13-10454 0.8/0.7	960 Hr	58
SK210LC-9	YQ13-10481 0.8/0.7	549 Hr	498
SK75SR-	YT08-30374		

Maintenance

Warning Alerts

•This system gives an alert if an anomaly is sensed, preventing damage that could result in machine downtime.

Alarm Information Can Be Received via E-mail

•Alarm information or maintenance notice can be received via e-mail, using a computer or a mobile device.

Alarm messages can be received on a mobile device.

Daily/Monthly Reports

•Operational data downloaded onto a computer helps in formulating daily and monthly reports.

Security System

Engine Start Alarm

•The system can be set up with an alarm if the machine is operated outside designated time.

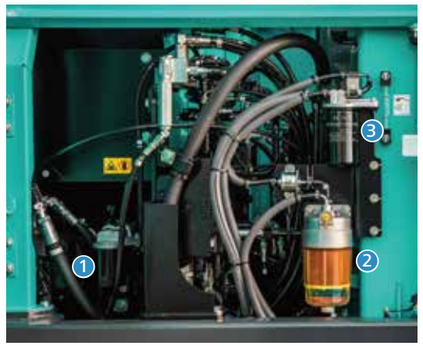
Engine start alarm outside prescribed work time

Area Alarm

•It can be set up with an alarm if the machine is moved out of its designated area to another location.

Alarm for outside of reset area

EASY MAINTENANCE



Right side

Engine oil filter

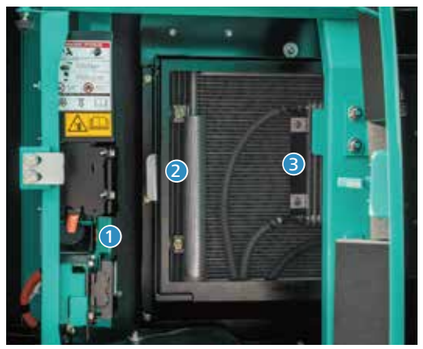
Pre-filter with integrated water separator

Fuel filter

Engine maintenance

A wide-opening engine bonnet enables to access the engine unit easily.

Two-stage air filter



Left side (radiator and cooling system elements)

Laid out for easy access to radiator and cooling system.

Battery shut-off switch

Insect screen

Fuel cooler

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

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

Attachments

Backhoe bucket and combination

Use			Backhoe bucket
			Normal digging
Bucket capacity	ISO heaped	m^3	0.40
	struck	m^3	0.29
Opening width	With side cutter	mm	970
	Without side cutter	mm	900
No. of teeth			5
Bucket weight		kg	270
Combination	1.71m standard arm		◎

◎ Standard

Specifications

Working ranges

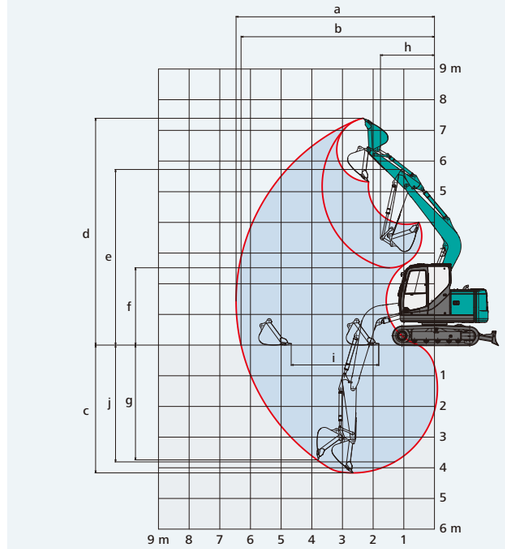
Unit: m

Boom	3.84 m
Arm / 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 m³	0.40

Digging force (ISO 6015)

Unit: kN

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



1.71 m arm

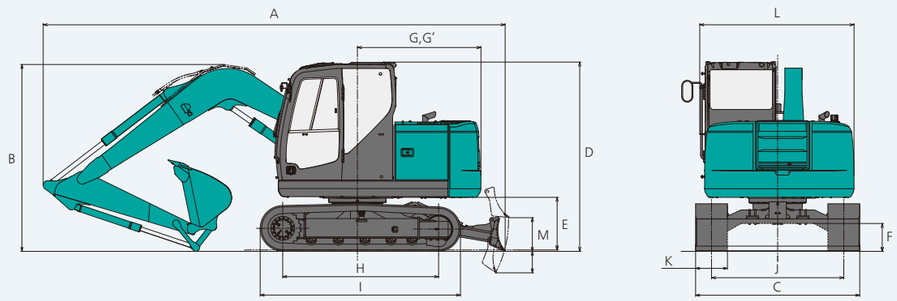
Dimensions

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

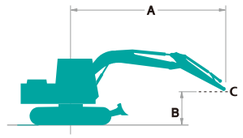
In standard trim, with standard boom, 1.71 m arm, and 0.40 m³ ISO heaped bucket

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	25
		with dozer	35	27
Operating weight	kg	without dozer	7,230	7,510
		with dozer	7,770	8,070

Lift capacities

SK75

SK75-11



Rating over front

Rating over side or 360 degrees

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								
A / B		1.5 m		3.0 m		4.5 m		At max. reach		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								
A / B		1.5 m		3.0 m		4.5 m		At max. reach		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.