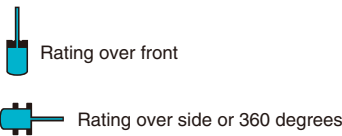
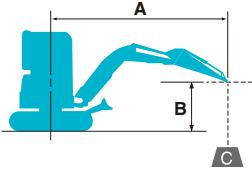


LIFTING CAPACITIES



A: Reach from swing centerline to arm top
B: Arm top height above/below ground
C: Lifting capacities in kilograms
Shoe: Rubber shoe Dozer blade: Up
Relief valve setting: 23.0 MPa

SK45SRX Cab		Arm: 1.55 m, Bucket: Without Rubber shoe: 400 mm										
B	A	1.0 m	2.0 m	3.0 m	4.0 m	5.0 m	At Max. Reach		Radius			
4.0 m	kg								*860	840	3.96 m	
3.0 m	kg								770	650	4.64 m	
2.0 m	kg								680	570	4.97 m	
1.0 m	kg								650	550	5.04 m	
G. L.	kg								680	570	4.86 m	
-1.0 m	kg	*2,010	*2,010	*2,700	2,170	1,380	1,110	890	740	780	650	4.40 m
-2.0 m	kg			2,970	2,230	1,410	1,140		1,110	920	3.50 m	

SK45SRX Canopy		Arm: 1.55 m, Bucket: Without Rubber shoe: 400 mm										
B	A	1.0 m	2.0 m	3.0 m	4.0 m	5.0 m	At Max. Reach		Radius			
4.0 m	kg								*860	820	3.96 m	
3.0 m	kg								740	630	4.64 m	
2.0 m	kg								650	550	4.97 m	
1.0 m	kg								630	530	5.04 m	
G. L.	kg								660	550	4.86 m	
-1.0 m	kg	*2,010	*2,010	*2,700	2,100	1,330	1,080	860	710	760	630	4.40 m
-2.0 m	kg			2,870	2,160	1,360	1,100		1,080	890	3.50 m	

SK55SRX Cab		Arm: 1.69 m, Bucket: Without Rubber shoe: 400 mm										
B	A	1.0 m	2.0 m	3.0 m	4.0 m	5.0 m	At Max. Reach		Radius			
5.0 m	kg								*1,040	*1,040	3.38 m	
4.0 m	kg								970	820	4.47 m	
3.0 m	kg								780	660	5.07 m	
2.0 m	kg								710	590	5.37 m	
1.0 m	kg								680	570	5.43 m	
G. L.	kg								700	590	5.27 m	
-1.0 m	kg	*2,080	*2,080	*2,580	2,480	1,580	1,270	1,020	840	790	650	4.85 m
-2.0 m	kg	*3,210	*3,210	*3,360	2,530	1,600	1,290	1,050	860	1,020	840	4.09 m
-3.0 m	kg			*1,590	*1,590				*1,190	*1,190	2.52 m	

SK55SRX Canopy		Arm: 1.69 m, Bucket: Without Rubber shoe: 400 mm										
B	A	1.0 m	2.0 m	3.0 m	4.0 m	5.0 m	At Max. Reach		Radius			
5.0 m	kg								*1,040	*1,040	3.38 m	
4.0 m	kg								940	790	4.47 m	
3.0 m	kg								760	640	5.07 m	
2.0 m	kg								680	570	5.37 m	
1.0 m	kg								660	550	5.43 m	
G. L.	kg								680	570	5.27 m	
-1.0 m	kg	*2,080	*2,080	*2,580	2,410	1,530	1,230	990	820	760	630	4.85 m
-2.0 m	kg	*3,210	*3,210	*3,290	2,460	1,560	1,260	1,010	840	980	820	4.09 m
-3.0 m	kg			*1,590	*1,590				*1,190	*1,190	2.52 m	

- Notes:
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 defined as lift point.
4. The above lifting capacities are in compliance with ISO 10567. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Lifting 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.

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.

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KOBELCO

SK45SRX-6/SK55SRX-6

MINI SK45SRX
EXCAVATORS SK55SRX

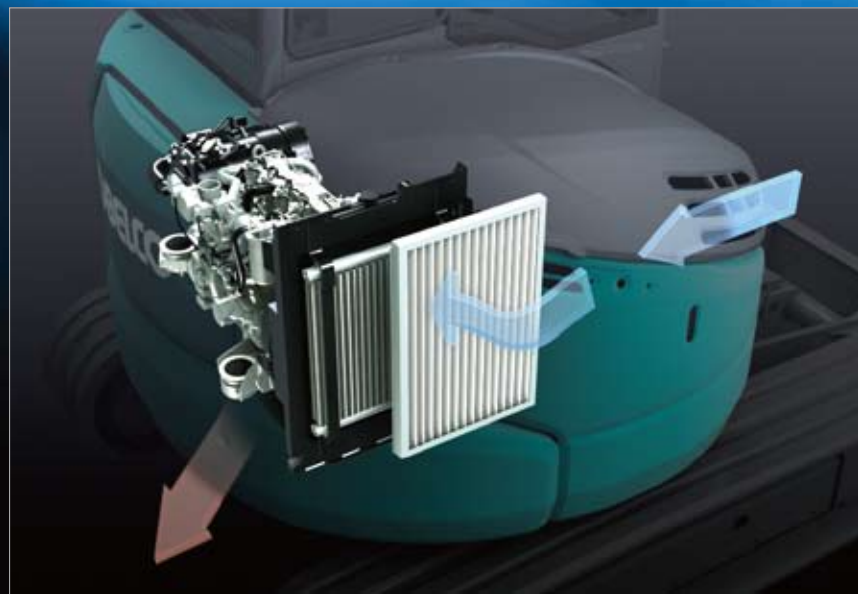


We Save You Fuel
Achieving a Low-Carbon Society

Full-Size Performance, Short-Radius Agility and Quiet Operation

COMPACT YET TOUGH MINI

Now KOBELCO has taken the next evolutionary step by packing even more digging power and practical performance features into the SK45SRX/SK55SRX while maintaining a short tail swing. The new Energy Conservation Mode saves even more fuel, and Kobelco's proprietary iNDr Cooling System ensures quiet operation, protection from dust, and easy maintenance. For greater operator comfort and safety, the rectangular cab design offers plenty of room and an unobstructed view. It all adds up to enhanced full-size performance, short-radius agility and a low-noise environment, with exceptional performance features and a full range of value-added functions.



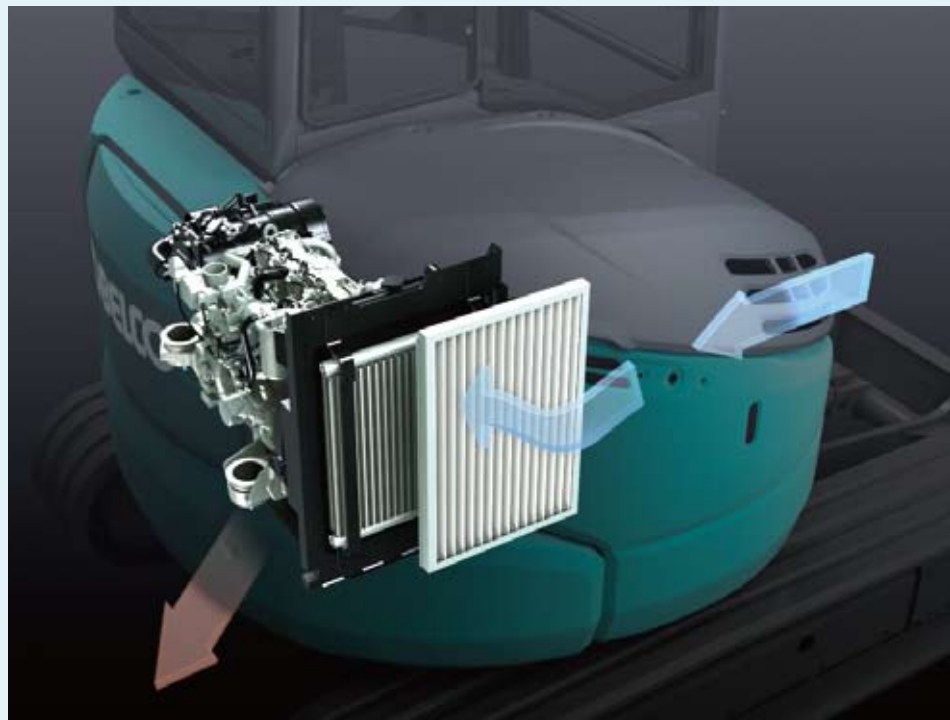
ENVIRONMENT

iNDr Cooling System

The Revolutionary Integrated Noise and Dust Reduction Cooling System



The highly airtight engine compartment and the offset duct contribute to noise reduction. The iNDr filter fitted in front of the cooling system ensures easy cleaning. The iNDr system on the SK45SRX/SK55SRX features air intake at the front of the machine and air exhaust underneath. It functions in the same way as the iNDr System on the SR series machines.



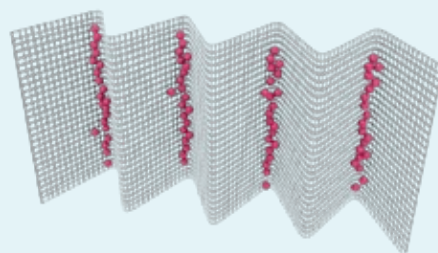
Visual Checking and Easy Cleaning

Because the iNDr filter removes dust from the intake air, cooling components stay dirt-free and do not require regular cleaning. The iNDr filter itself can be easily removed and cleaned without the use of tools.



iNDr Filter

The stainless-steel filter is extremely effective against dust, with 30-mesh wave-type screen that removes tiny dust particles from the intake air.



•30-mesh means that there are 30 holes formed by horizontal and vertical wires in every square inch of filter.

iNDr Filter Blocks Out Dust

Outside air goes directly from the intake duct through the iNDr filter for dust removal.



Ultimate Low Noise

KOBELCO's exclusive iNDr Cooling System delivers amazingly quiet operation. In fact, the SK45SRX/SK55SRX is 9 dB quieter than the previous models.



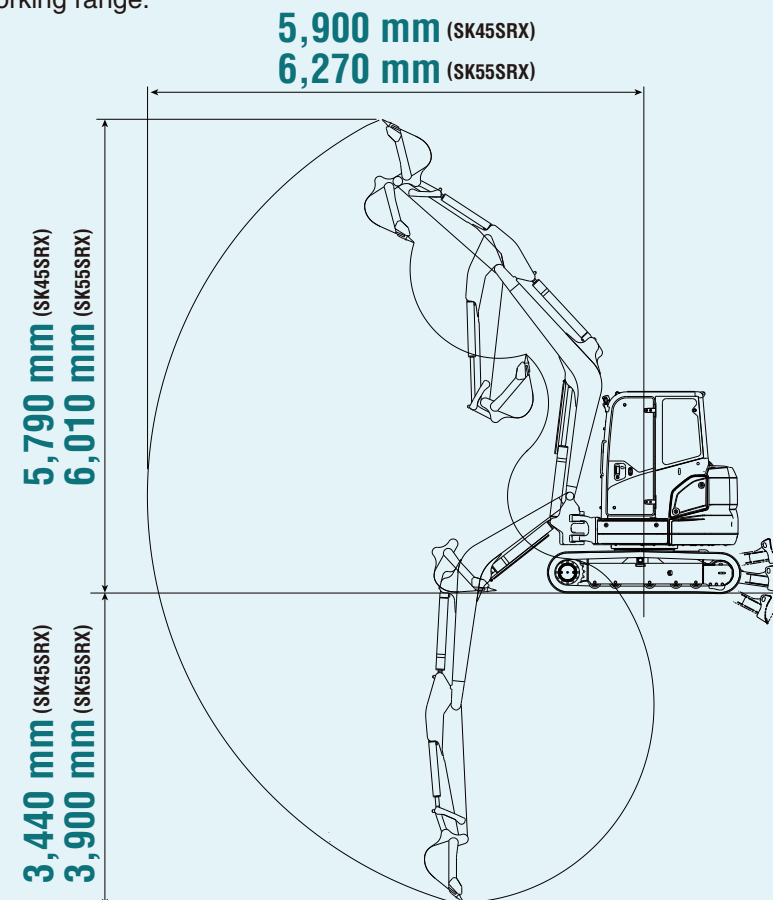
at 1 m backward from machine rearend and 1.5 m height from ground level.

PERFORMANCE

Compact, yet, Big Performance

Wide Working Range

A larger boom and arm are provided as standard equipment to ensure a wider working range.



Short Tail Swing

The compact tail swing improves operating efficiency in limited space.

Tail overhang:
190 mm
(290 mm)*



*Figure shows the value of SK45SRX/SK55SRX with add-on counterweight.

Energy Conservation Mode

The SK45SRX/SK55SRX adapts S mode which enables 23 % less fuel consumption compared with H mode.



One Touch Deceleration

The SK45SRX/SK55SRX features one-touch deceleration. It allows easy switching to an idling state, reducing the fuel consumption while the machine is at rest.



Easy Transportability

With an overall height of 2,530 mm, the machine is designed for easy transport.



PERFORMANCE

Fast, Full-Powered Digging and Leveling

Powerful Digging Performance

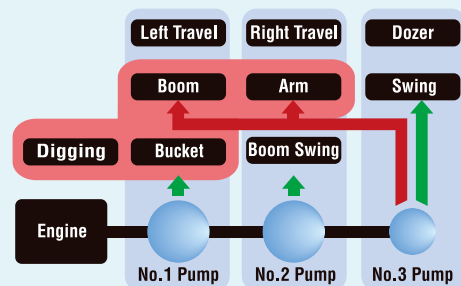


Integrated-Flow Pump System

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

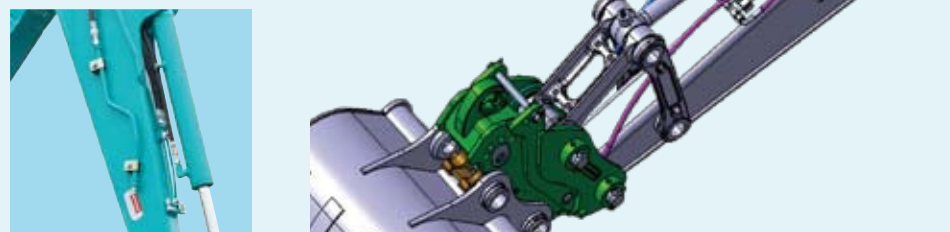
Large Capacity Engine

The large-capacity engine packs plenty of power for outstanding hydraulic performance.



Easy Hydraulic Piping for Quick Hitch

Quick Hitch is available as option. Piping for Quick Hitch is fitted as standard.



More Travel Power

Large Capacity Travel Torque

The large capacity travel torque enables the machine to perform spin turn in low mode even when the dozer is pushing a heavy load.

Automatic Two-Speed Travel

An automatic shift function ensures smoother, more efficient travel on worksite. When the High mode is selected, the travel system will automatically shift to Low mode whenever the load or climbing grades requires more power.

Travel Switch

The travel lever is fitted with a button for easy switching to H-Mode travel.



Powerful and Efficient Dozer Performance

Dozer-Blade Shape

KOBELCO's unique blade design solves this problem by forming the earth into an arc that always falls forward. Because this prevents earth from falling behind the blade, only "one pass" is needed.



Hydraulic Pilot-Controlled Dozer Operation Lever



The dozer lever features hydraulic pilot control for precise handling.

MAINTENANCE

Easy Daily Maintenance

Start-up checks are essential for safe and reliable machine operation. All start-up checks can be performed at ground level, with an easy-to-understand layout and cover design that simplify access and save time.

Easy Access to Component Under the Seat

Two-piece floor mats for easy washing Hour meter

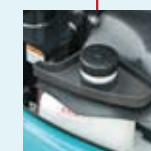


Model: SK45SRX



Model: SK55SRX

Easy Access to Cooling Unit



Fuel tank

Easy Access to Engine Compartment



High-grade fuel filter



Pre fuel filter with built-in water separator



Air cleaner



COMFORT

Comfortable Work Environment

Spacious Work Environment

The newly designed, rectangular cab is over 820 mm wide, with optimized control layout for comfortable, easy operation. A greater window area further improves visibility. A clear view is provided at the rear, and there's also more floor space, with a seat that slides further to ensure plenty of leg room.



Easy Access

A wide-opening door and a left-hand tilting control console with safety lever that rises high, make it easy for operators to enter and exit the cab.



Work Light



Working light is mounted under the boom to protect from damage.

Skylight



Control Lever

Precise proportional controls (optional) are integrated into the joystick for ease of operation.



Pattern Changer

Pattern changer allows for increased utilization and flexibility to match operator preference.

*Pattern Changer is standard fitting for Australia.
Another pattern changer is provided for New Zealand.*



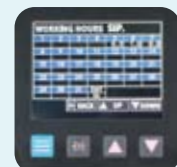
Color Liquid Crystal Monitor



The color liquid crystal monitor is fitted as standard. Operation data as well as the full range of machine-status data can readily be checked.



Maintenance



Working hours

Comfortable Operating Environment

Hammer for emergency exit



Climate control

The climate control system is located down and to the right of the seat, keeping the rear view clear.



Vents to send cooled air toward the operator if he desires.



Opening/closing front window

The front window features gas damper cylinders for smooth and easy opening and closing.



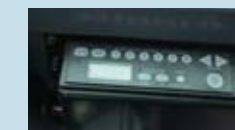
Coat hook



Room light



Two-speaker FM/AM radio with station select (optional)



Operator Safety

Reliable Cab/Canopy Structure

The high-strength cab/canopy meets ROPS and TOP GUARD LEVEL 1 standards for greater operator safety.



RELIABILITY

Reliable Construction

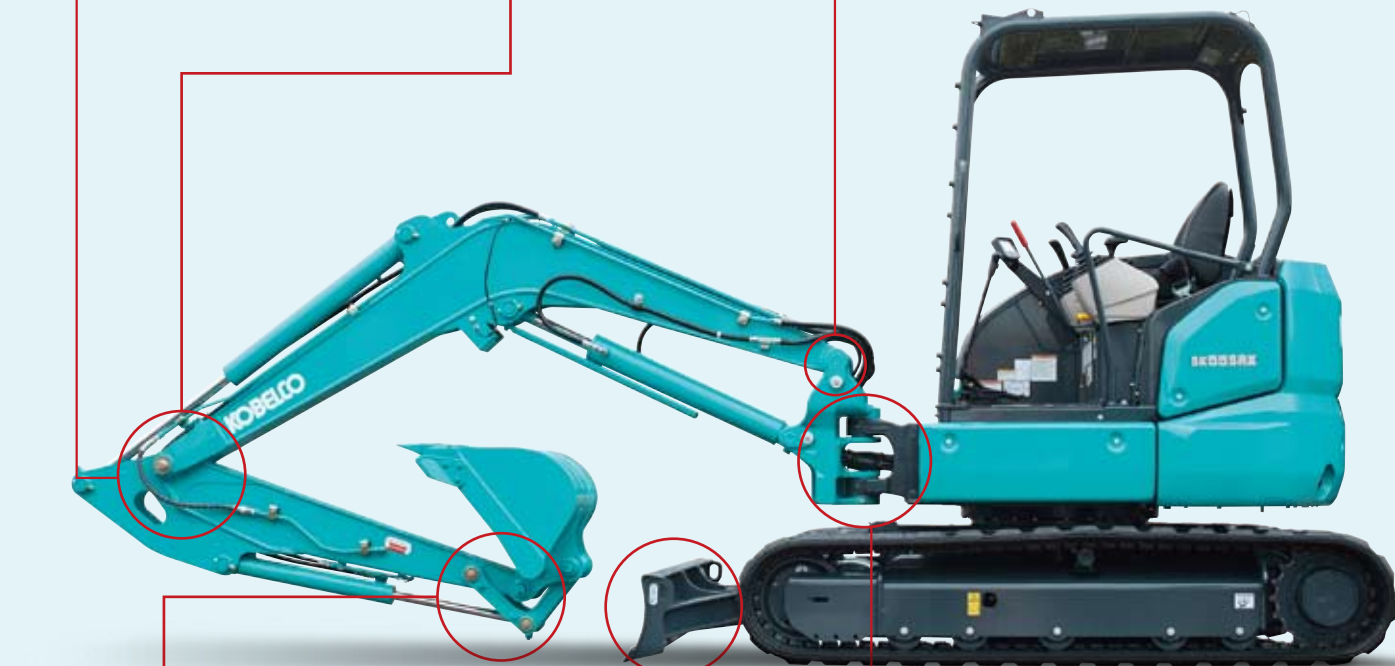
The boom, arm and swing bracket all have large cross-section segments for added attachment strength.

Strong boom and arm

Bolt-tightened pins firmly lock the boom and arm to prevent the boom top from opening laterally.

Forged boom top

Plate type pin



Bucket

Cast-iron idler link provides greater strength.

Dozer

Box construction dozer supports provide greater strength.

Swing bracket

Large, thick cast-iron swing bracket/front bracket.

Hydraulic piping

The hydraulic piping is housed inside the swing bracket.

Accumulator for Emergency Attachment Lowering

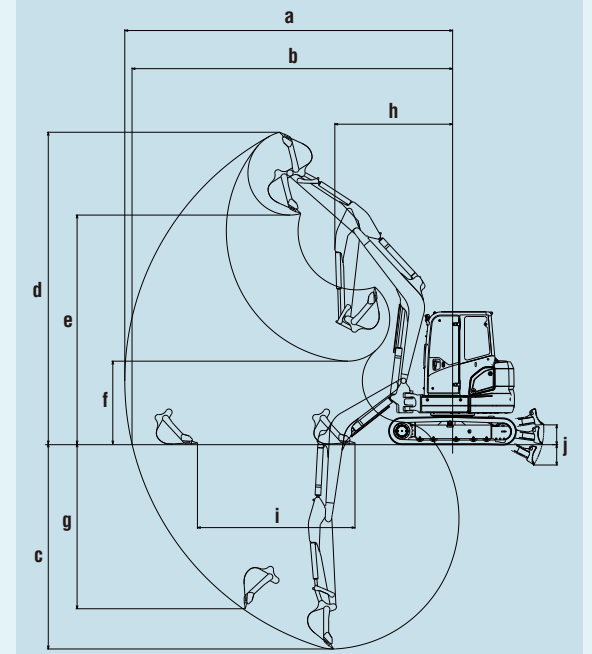
An installed accumulator allows the attachment to be safely lowered to the ground using in-cab controls in the event of an unexpected engine shut-down and class leading smooth operation.



SPECIFICATIONS

GENERAL						
MODEL			SK45SRX		SK55SRX	
Type			SK45SRX-6		SK55SRX-6	
Crawler Shoe			Rubber	Steel	Rubber	Steel
Machine Mass	Cab	kg	4,550	4,690	5,020	5,160
	Canopy	kg	4,430	4,580	4,900	5,040
Bucket Capacity		m ³	0.14		0.16	
Bucket Width (with side cutter)		mm	600		600	
Arm Length		m	1.55		1.69	
Bucket Digging Force		kN	35.2		35.2	
Arm Crowding Force		kN	20.9		24.6	
ENGINE						
Model			YANMAR 3TNV88-B			
Type			Water cooled, 4-cycle, 4-cylinder, direct injection, diesel engine			
Power Output	(ISO 9249)	kW/min ⁻¹	28.3/2,400			
	(ISO 14396)	kW/min ⁻¹	29.6/2,400			
Max. Torque	(ISO 9249)	N-m/min ⁻¹	131.1/1,400			
	(ISO 14396)	N-m/min ⁻¹	132.9/1,400			
Displacement		L	2.189			
Fuel Tank		L	75			
HYDRAULIC SYSTEM						
Pump			Two variable displacement pumps + One gear pump			
Max. Discharge Flow		L/min	2 x 49.9, 1 x 33.8			
Relief Valve Setting		MPa	23.0			
Hydraulic Oil Tank (system)		L	27.9 (57.7)			
TRAVEL SYSTEM						
Travel Motors			2 x axial-piston, two-step motors			
Parking Brake			Oil disc brake per motor			
Travel Speed (high/low)		km/h	4.0/2.3	3.7/2.1	4.0/2.3	3.7/2.1
Gradeability		% (degree)	58 (30)			
Drawbar Pulling Force	Cab	kN	55.2		54.9	
	Canopy	kN	55.2		54.9	
CRAWLER						
Shoe Width			mm	400		
Ground Pressure	Cab	kPa	26.1	27.7	28.7	30.4
	Canopy	kPa	25.4	27.0	28	29.7
DOZER BLADE						
Width x Height		mm	1,960 x345			
Working Ranges (height/depth)		mm	375 x 385			
SWING SYSTEM						
Swing Motor			Axial piston motor			
Parking Brake			Oil disc brake, hydraulic operated automatically			
Swing Speed		min ⁻¹	8.8			
Tail Swing Radius		mm	1,170			
Min. Front Swing Radius	Over the front	mm	2,410		2,250	
	At full boom swing	mm	1,990		1,900	
SIDE DIGGING MECHANISM						
Type			Boom swing			
Offset Angle	to the left	degree	70			
	to the right	degree	59			

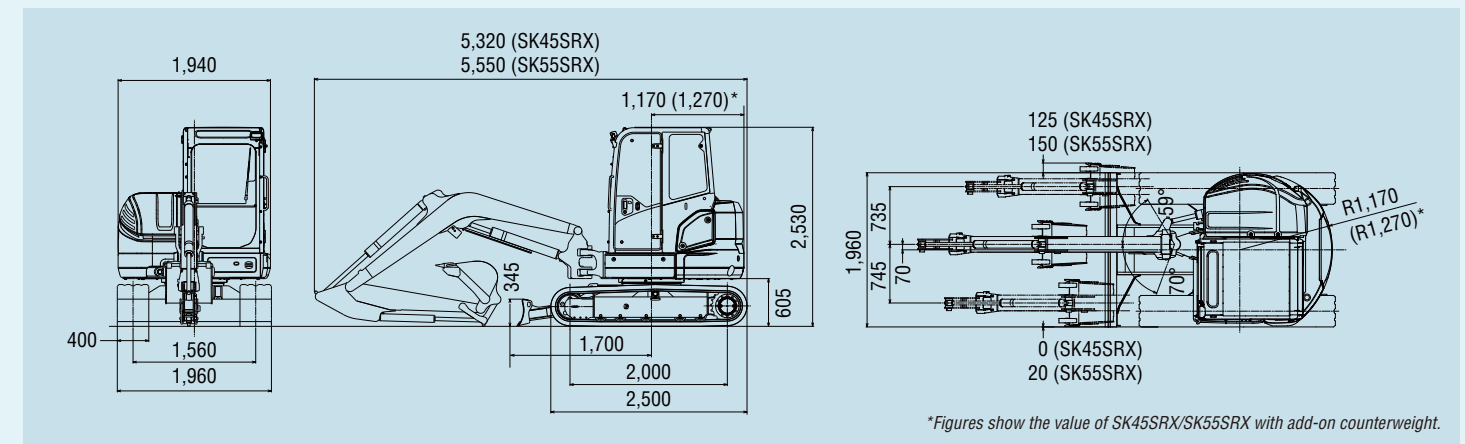
WORKING RANGES



Model	SK45SRX	SK55SRX
Arm length	1.55 m	1.69 m
a- Max. digging reach	5,900	6,270
b- Max. digging reach at ground level	5,750	6,130
c- Max. digging depth	3,440	3,900
d- Max. digging height	5,790	6,010
e- Max. dumping clearance	4,190	4,420
f- Min. dumping clearance	1,550	1,590
g- Max. vertical wall digging depth	3,000	3,240
h- Min. swing radius	2,410	2,250
i- Horizontal digging stroke at ground level	2,550	2,950
j- Dozer blade (height/depth)	375/385	375/385

Unit: mm

GENERAL DIMENSIONS



Unit: mm

OPTIONAL EQUIPMENT

• N&B (HCP*) piping	• Bolt-on Pad shoes (for steel shoes)	• BHL lever
• N&B (foot) piping + Rotating N&B (HCP*)	• Add-on counterweight (250 kg) + 100 mm tail swing radius	• Multi-control valve
• N&B (HCP*) piping + Rotating N&B (HCP*)	• Boom & arm holding valve	• Arm & bucket cylinder cover
• ROPS cab with air conditioner	• Wide range of buckets	• Front guard
• Radio (only for cab)	• Rear view mirror	• 12 V power source
• Steel shoe	• Rear under mirror	• Additional light for canopy spec.

*Hand Control Proportional

Change to Engine Specifications

To comply with Tier 4 emissions controls to be introduced in New South Wales on 1 January 2018, engine specifications will be modified as shown below:

SK45SRX/SK55SRX MINI EXCAVATORS (P10)

MODEL			SK45SRX	SK55SRX
Type			SK45SRX-6E	SK55SRX-6E
ENGINE				
Model			YANMAR 4TNV88-B	
Type			Water cooled, 4-cycle, 4-cylinder, direct injection, diesel engine (Complies with EPA Tier IV Final)	
Power Output	(ISO 9249)	kW/min ⁻¹	28.3/2,400	
	(ISO 14396)	kW/min ⁻¹	29.5/2,400	
Max.Torque	(ISO 9249)	N-m/min ⁻¹	131.1/1,400	
	(ISO 14396)	N-m/min ⁻¹	132.9/1,400	
Displacement			L	2.189
Fuel Tank			L	75

Machine mass will change with the change in engine specifications.

MODEL			SK45SRX		SK55SRX	
Type			SK45SRX-6E		SK55SRX-6E	
Crawler Shoe			Rubber	Steel	Rubber	Steel
Machine Mass	Cab	kg	4,590	4,730	5,060	5,200
	Canopy	kg	4,470	4,610	4,940	5,080
CRAWLER						
Shoe Width			mm	400		
Ground Pressure	Cab	kPa	26.1	27.9	28.7	30.7
	Canopy	kPa	25.4	27.2	28.0	30.0

To comply with emissions controls, the engine is fitted with the following features:

Diesel Particular Filter (DPF)

DP filter greatly reduce PM emission. Carbon builds up as soot on the diesel particulate filter and is burned off at high temperature.

