

KOBELCO

Hydraulic Excavator

SK45SRX

SK45SRX-7

SK55SRX

SK55SRX-7

Performance  Design

■ **Bucket Capacity:**

0.10–0.20 cu.yd. SAE

■ **Engine Power:**

37.0 hp {27.7 kW} @ 2,400 rpm
(SAE NET)

■ **Operating Weight:**

10,295–10,648 lb
{4,670–4,830 kg}

SK45SRX

11,817–12,147 lb
{5,360–5,510 kg}

SK55SRX



Complies with the
latest exhaust
emission regulations



US EPA
Tier IV Final

Performance Design

PERFORMANCE BY DESIGN

The next generation of KOBELCO excavators brings together superior performance and thoughtful design like never before. Performance enhancements offer greater efficiency and productivity along with increased power and speed. Design improvements provide the ultimate in comfort and control.

KOBELCO refuses to compromise, creating machines that meet every challenge.







EXCEPTIONAL PERFORMANCE JUST GOT EVEN BETTER

The New Hydraulic System

Compared to previous models, the new hydraulic system is significantly improved, which thereby shortens the digging cycle time remarkably. It attains high performances without reducing the speed even when a heavy load is applied or when traveling on a slope.

By re-designing the travel motor and swivel joint, the travel speed is increased.

»» Travel Speed

Faster by **12%** (SK55SRX)

Faster by **5%** (SK45SRX)

(Compared to previous models with 2nd speeds)

»» Hill-Climbing Speed

Faster by **10%** (SK55SRX)

(Compared to previous models
with 2nd speeds and 14 degree tilt)

By re-engineering the spool, efficiency improves,
resulting in higher digging and swing speeds.

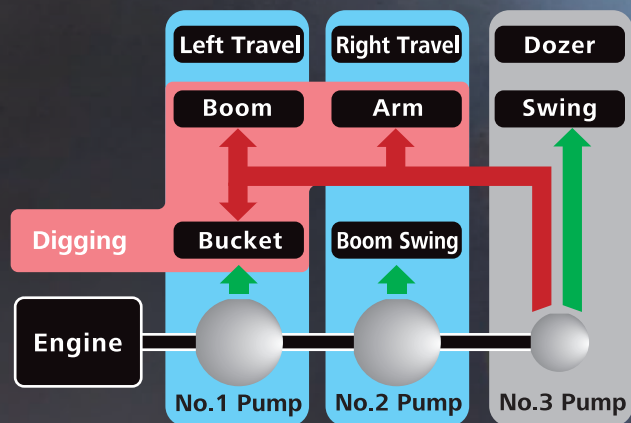
»» Digging Cycle Time

Shortened by **7%** (SK55SRX)

(Compared to previous model)

Integrated-Flow Pump System

During the digging operation, depending upon job condition, the machine provides additional flow to the boom, arm or bucket circuit, from pump P3 (swing and dozer pump), to increase available input power to those functions. This drastically reduces cycle time and increases productivity.



FUNCTIONAL WORK ENVIRONMENT

Designed for operator comfort and convenience.



Color Monitor

The new color monitor shows current and historical operating information in a clear and easy-to-operate format.



Auxiliary Hydraulic Flow

Nibbler/breaker and rotation hydraulic flow has 6 presets that can be adjusted to match your attachment.



Energy Conservation Mode

The SK45SRX/SK55SRX has 2 working modes, one for maximum power and S-mode for increased fuel economy.



Auto Deceleration

Auto deceleration saves fuel and lowers engine noise by lowering engine speed to idle.



Maintenance Information



Operation History

Easy Access

The flip-up left console with integrated pilot control lock lever allows for easy entry and exit from the cab.

Slide-Open Window

The right side window can slide open from the front or the back for increased ventilation and to hear ground workers when required.



Ergonomic Lever Angles

Operators can move levers horizontally without twisting their wrists, reducing fatigue.

Multifunction and Rotation Hydraulics

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



Radio (Bluetooth®, AUX and Hands-Free Phone Calls)



Speaker



12V Power Outlet



Boom Swing Control with HCP



Coat Hook



Cup Holder



LED Door Light

UNFORGETTABLE COMFORT

True ergonomic functionality combined with modern design has resulted in a cabin interior that is sleek and comfortable.





Suspension Seat

The newly designed seat comes standard with suspension, recline, forward/back functions giving best-in-class comfort.

Wrist Rests

The larger ergonomic designed wrist rests keep the operator's forearms in a stable position, reducing fatigue, and allowing for improved operation.



Air Conditioner

Multiple air vents to provide uniform airflow to the front and back of the operator as well as to the windows to provide fast defrosting functions.



LED Illumination

Dials and buttons are now backlit to provide a bright, clearer view in any lighting condition.



Smartphone Holder/ USB/AUX Port

COMPACT, YET, BIG PERFORMANCE

Compact Boom Swing Radius
(SK45SRX/SK55SRX with Standard Arm)

6'1" {1,850 mm}



Short Tail Swing

Additional counterweight is equipped as standard for SK55SRX.

Tail Overhang:

7.0" {190 mm}

SK45SRX with standard counterweight

11.0" {290 mm}

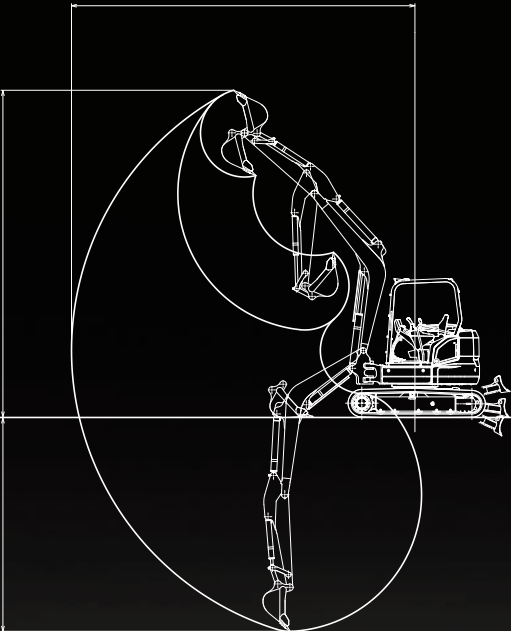
SK55SRX with additional counterweight as standard

19' 2" {5,850 mm} (SK45SRX)

20' 6" {6,240 mm} (SK55SRX)

18' 7" {5,660 mm} (SK45SRX)
19' 6" {5,950 mm} (SK55SRX)

11' 3" {3,440 mm} (SK45SRX)
12' 9" {3,890 mm} (SK55SRX)



Wide Working Range

Long arms are provided as option equipment to ensure a wide working range.

VERSATILITY



Dozer Lever

The new ergonomic dozer lever has float integrated into the handle for easier dozer functions.

Dozer-Blade Shape

KOBELCO's unique blade design forms the earth into an arc that always falls forward. Because this prevents earth from falling behind the blade, leveling can be done with less passes.



Floating Dozer

Dozer float is standard to assist in easier leveling work.



4-Way Blade (optional)

RELIABLE CONSTRUCTION

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

Forged Boom Top

Bucket

Cast-iron idler link provides greater strength.

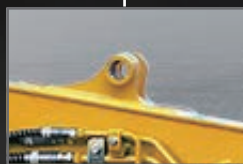
Boom Cylinder Guard

Plate Type Pin



Bolt-Tightened Pins

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



Standard Thumb Mounting Bracket



Dozer

Reinforced dozer supports provide greater strength.



Swing Bracket

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

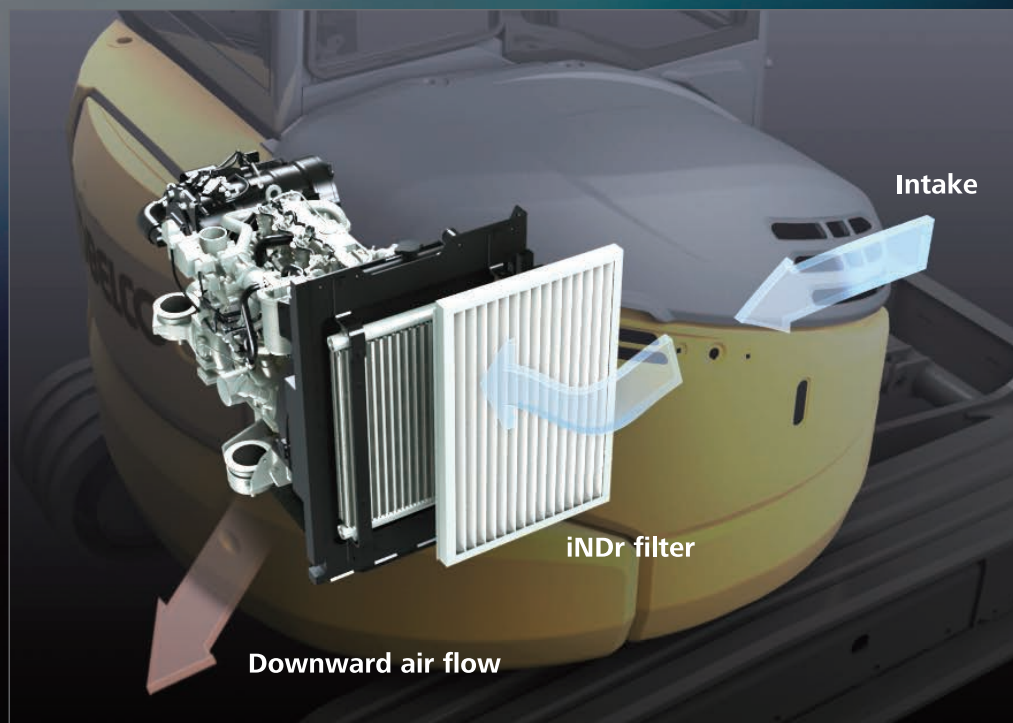


Hydraulic Hosing

The hydraulic hosing is housed inside the swing bracket for protection.

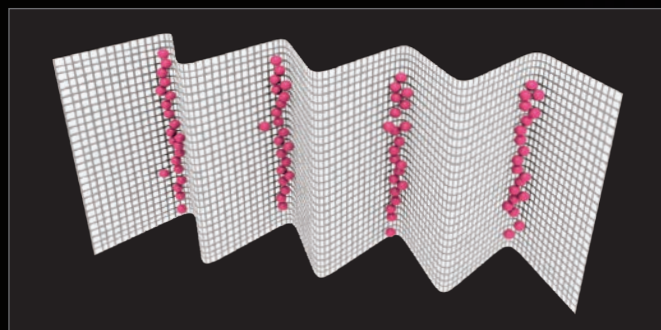
*The additional counterweight is standard on SK55SRX.

NON-STOP OPERATION BY iNDr



iNDr

A high-density mesh filter blocks dust intruding during air intake. This prevents the cooling device and the air cleaner from clogging with dust and maintains their performances. The ridges of the corrugated filter allow the air to pass through, and the grooves collect the dust, which prevents the filter from clogging.



The iNDr filter has a high-density mesh of 30 lines per inch to collect dust.

EASY MAINTENANCE

Easy daily maintenance that saves the trouble of inspection and cleaning.



Easy Access to Component inside the Cab



Hour Meter



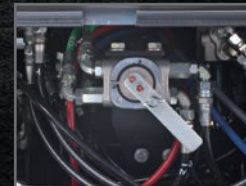
Cab Fresh Air Intake Filter



Cab Re-Circulation Air Filter



Instruction Manual Storage Box



Standard Pattern Changer

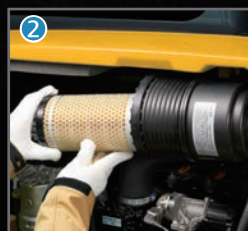
Easy Access to Cooling Unit



iNDr Filter

Easy to remove for easy access to radiator and cooling system.

Easy Access to Engine Compartment



① Pre Fuel Filter with Built-in Water Separator

② Air Filter

③ High-Grade Fuel Filter

*The additional counterweight is standard on SK55SRX.

OPERATOR SAFETY



Robust Cab/Canopy Structure

The high-strength cab/canopy meets ISO 3471:2008, ISO 12117-2:2008 standards for greater operator safety.



Boom Light



Left-Facing LED Light (Canopy)



Forward and Left-Facing LED Light (Cab)



ON/OFF Switch

LED Work Lights

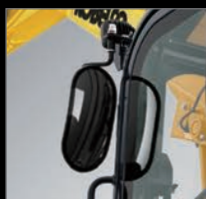
Changed from halogen light to LED light for more brightness. The boom light position has been changed to improve nighttime visibility.

New left-facing lights on the cab top and canopy hand rail to improve visibility on the left side of the operator.



Good Visibility

The wiper mount has been moved to the upper right of the cab support and the skylight opening has been enlarged, improving visibility to the front and above.



Rear View Mirror



Rear Under Mirror (optional)



Hammer for Emergency Exit



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.

Standard and Optional Equipment

● =Std ○ =Opt — = N/A

Category	Description	SK45SRX-7	SK55SRX-7
Engine	YANMAR 4TNV88C-PYBD (Tier IV Final certified)	●	●
	Auto deceleration function	●	●
Hydraulic system	2 work modes H, S	●	●
	Proportional Hand Control for N&B	●	●
	Proportional Hand Control for Rotation & N&B*	○	○
	Remote N&B pressure relief adjustment	●	●
	Hydraulic flow adjustment	●	●
	Hydraulic oil VG46	●	●
	Hydraulic oil VG32	○	○
Cabin	Suspension seat (PVC)	●	●
	Multi-function color display	●	●
	Automatic climate control**	●	●
	Radio (FM/AM, AUX, USB, Bluetooth® & hands-free telephone)**	●	●
	12V power outlet	●	●
Lights	LED work light: 1 on boom	●	●
	LED work lights: 1 on front, 1 on left	●	●
Working equipment	Standard boom 8' 11" {2.71 m}	●	—
	Standard boom 9' 10" {2.99 m}	—	●
	Standard arm 5' 1" {1.55 m} with thumb bracket	●	—
	Standard arm 5' 7" {1.69 m} with thumb bracket	—	●
	Long arm 6' 4" {1.92 m} with thumb bracket	—	○
Counterweight	Standard counterweight 917 lb (416 kg)	●	—
	Standard counterweight 1,760 lb (800 kg)	—	●
	Additional bolt on counterweight 551 lb (250 kg)	○	●
Undercarriage	15.7" {400 mm} rubber tracks	●	●
	15.7" {400 mm} double grouser shoe	○	○
	Dozer blade with float	●	●
	Angle dozer blade with float*	○	○
	Lower swivel guard	●	●
Safety	ROPS compliant canopy (ISO 3471:2008, ISO 12117-2:2008)	●	●
	ROPS compliant cab (ISO 3471:2008, ISO 12117-2:2008)	○	○
	Mesh-type front guard for canopy (OPG Level I)	○	○
	Mesh-type top guard for cab	○	○
	Mesh-type front guard for cab (OPG Level I)	○	○
	3-inch retractable seatbelt	●	●
	Travel alarm	●	●
	Left rear view mirror	●	●
	Rear under mirror	○	○
Others	Hose burst valve for boom & arm cylinder	○	○
	ISO to BHL pattern changer	●	●
	Arm & bucket cylinder rod guard	○	○
	Double Air Filter Element	○	○
	KOMEXS Machine Monitoring	○	○

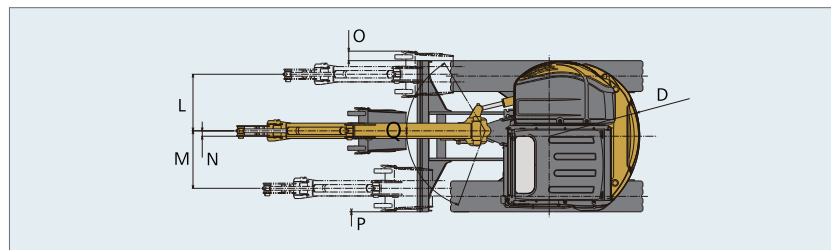
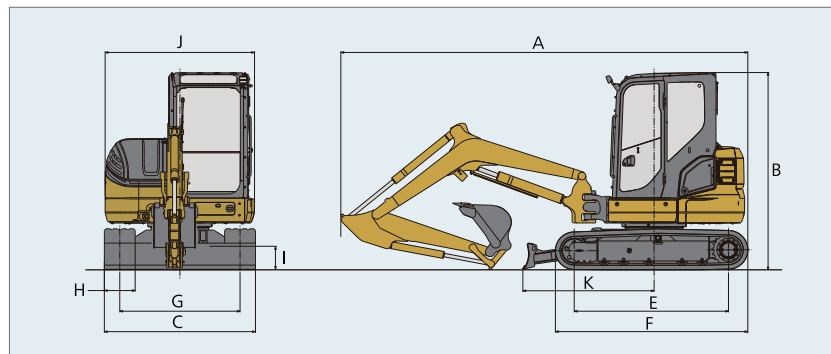
*May not be ordered with combination Rotation and Angle dozer blade with float. ** Only for Cab.

Note: Bluetooth® is a registered trademark of the Bluetooth SIG Inc.

Specifications

GENERAL				
MODEL			SK45SRX	
Type			SK45SRX-7	
Operating Weight	Cab	lb {kg}	10,648 {4,830}	
	Canopy	lb {kg}	10,295 {4,670}	
Bucket Capacity		cu.yd. {m³}	0.11 {0.14}	
Bucket Width (with side cutter)		ft-in {mm}	23.6" {600}	
Arm Length		ft-in {m}	5' 1" {1.55}	
Bucket Digging Force (SAE)		lbf {kN}	6,992 {31.1}	
Arm Crowding Force (SAE)		lbf {kN}	9,802 {43.6} Two pin bucket	
			4,473 {19.9}	
ENGINE				
Model			YANMAR 4TNV88C-PYBD	
Type			Water cooled, 4-cycle, 4-cylinder, direct injection, diesel engine, Tier IV Final certified	
Power Output		hp {kW}/rpm	37.0 {27.7}/2,400 (SAE NET)	
Max. Torque		lbf-ft {N-m}/rpm	101 {136.8}/1,560 (SAE NET)	
Displacement		cu.in. {L}	133.6 {2.189}	
Fuel Tank		U.S. gal {L}	19.8 {75}	
HYDRAULIC SYSTEM				
Pump			Two variable displacement pumps+ two gear pumps (one for pilot)	
Max. Discharge Flow		U.S. gpm {L/min}	2 x 13.2 {49.9}, 8.9 {33.8}, 2.9 {10.8}	
Relief Valve Setting		psi {MPa}	3,340 {23.0}	
Hydraulic Oil Tank (system)		U.S. gal {L}	7.4 {27.9} {15.3 {58.0}}	
TRAVEL SYSTEM				
Travel Motors			2 x axial-piston, two-step motors	
Parking Brake			Oil disc brake per motor	
Travel Speed (high/low)		mph {km/h}	2.6 {4.2}/1.4 {2.2}	
Drawbar Pulling Force (SAE)		lbf {kN}	12,300 {54.8}	
CRAWLER				
Shoe Width		in {mm}	15.7" {400}	
Ground Pressure	Cab	psi {kPa}	3.9 {27.2}	
	Canopy	psi {kPa}	3.8 {26.3}	
DOZER BLADE				
Width x Height		ft-in {mm}	6' 5" {1,960} x 13.6" {345}	
Working Ranges (height/depth)		ft-in {mm}	18.3" {465} x 13.2" {335}	
SWING SYSTEM				
Swing Motor			Axial piston motor	
Parking Brake			Oil disc brake, hydraulic operated automatically	
Swing Speed		min ⁻¹ {rpm}	8.5 {8.5}	
Tail Swing Radius		ft-in {mm}	3' 10" {1,170}	
Min. Front Swing Radius	Over the front	Cab	ft-in {mm}	7' 5" {2,250}
		Canopy	ft-in {mm}	7' 3" {2,210}
	At full boom swing	Cab	ft-in {mm}	6' 1" {1,850}
		Canopy	ft-in {mm}	6' 1" {1,850}
SIDE DIGGING MECHANISM				
Type			Boom swing	
Offset Angle	To the left	degree	70	
	To the right	degree	59	

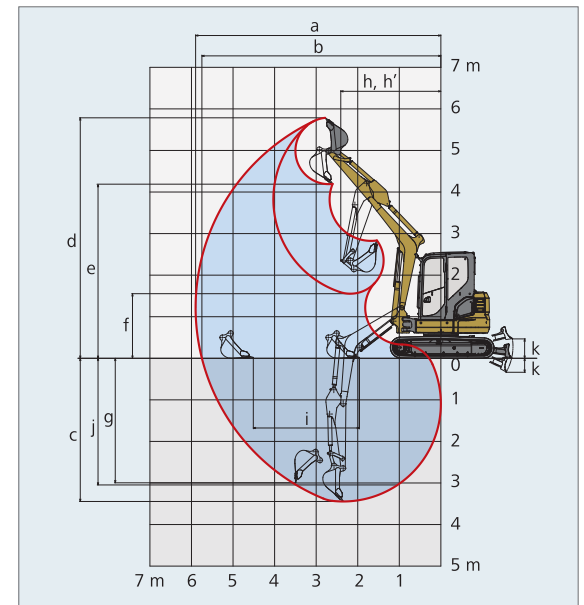
Dimensions



Working Ranges

Unit: ft-in {mm}

Model	SK45SRX	
	Cab	Canopy
Arm length	5' 1" {1.55 m}	
Boom length	8' 11" {2.71 m}	
a- Max. digging reach	19' 2" {5,850}	
b- Max. digging reach at ground level	18' 8" {5,700}	
c- Max. digging depth	11' 3" {3,440}	
d- Max. digging height	18' 7" {5,660}	18' 10" {5,750}
e- Max. dumping clearance	13' 5" {4,080}	13' 8" {4,160}
f- Min. dumping clearance	4' 11" {1,510}	5' 1" {1,560}
g- Max. vertical wall digging depth	9' 3" {2,820}	
h- Min. swing radius	7' 5" {2,250}	7' 3" {2,210}
h'- Min. swing radius at boom swing	6' 1" {1,850}	
i- Horizontal digging stroke at ground level	8' 8" {2,650}	
j- Digging depth for 2.4 m (8') flat bottom	9' 11" {3,020}	
k- Dozer blade (height/depth)	18.3" {465}/13.2" {335}	



Hydraulic P.T.O.

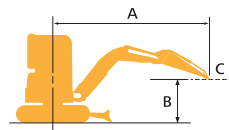
Specification	Output	Maximum Pressure psi (MPa)	Max. Flow U.S. gpm, (lpm)	
			2,000 rpm	1,000 rpm
N&B		3,340 {23.0}	18.4 {69.8}	9.2 {34.9}
Rotary		3,190 {22.0}	7.5 {28.2}	3.7 {14.1}

Unit: ft-in {mm}

Model		SK45SRX
A	Overall length	17' 4" {5,280}
B	Overall height (Cab/Canopy)	8' 5" {2,560}/8' 4" {2,530}
C	Overall width	6' 5" {1,960}
D	Tail swing radius (Std. counterweight)	3' 10" {1,170}
E	Tumbler distance	6' 7" {2,000}
F	Overall length of crawler	8' 2" {2,500}
G	Track gauge	5' 1" {1,560}
H	Shoe width	15.7" {400}
I	Ground clearance	12.6" {320}
J	Overall width of upperstructure	6' 4" {1,940}
K	Distance from dozer top to center of upperstructure	5' 7" {1,700}

Model		SK45SRX
L	Boom offset volume (right)	29.0" {735}
M	Boom offset volume (left)	29.0" {745}
N	Offset volume of boom center	2.8" {70}
O	Digging distance outside crawler shoe (right)	4.9" {125}
P	Digging distance outside crawler shoe (left)	0
Q	Boom swing angle (left/right)	70°/59°

Lift Capacities



Rating over front



Rating over side or 90 degrees

A – Reach from swing centerline for arm top

B – Arm top height above/below ground

C – Lift point

Shoe: Rubber shoe Dozer blade: Down

* Relief valve setting: 3,340 psi (23.0 MPa)

SK45SRX Cab		Arm: 5' 1" {1.55 m}		Bucket: Without		Shoe: 15.7" {400 mm}		Counterweight: Standard counterweight		Dozer: Blade down				
B	A	3' 3" {1.0 m}		6' 7" {2.0 m}		9' 10" {3.0 m}		13' 1" {4.0 m}		16' 5" {5.0 m}		At Max. Reach		Radius
														
13' 1" {4.0 m}	lb {kg}											*1,880 (850)	*1,880 (850)	13' 0" (3.96 m)
9' 10" {3.0 m}	lb {kg}					*2,560 {1,160}	*2,560 {1,160}	*2,540 {1,150}	1,900 (860)			*1,720 (780)	1,480 (670)	15' 2" (4.64 m)
6' 7" {2.0 m}	lb {kg}					*3,750 {1,700}	2,840 {1,290}	*2,940 {1,330}	1,830 (830)			*1,730 (780)	1,300 (590)	16' 3" (4.97 m)
3' 3" {1.0 m}	lb {kg}					*5,100 {2,310}	2,630 {1,190}	*3,450 {1,560}	1,750 (790)	*2,260 {1,020}	1,260 (570)	*1,850 (840)	1,240 (560)	16' 6" (5.04 m)
G. L.	lb {kg}			*3,050 {1,380}	*3,050 {1,380}	*5,640 {2,560}	2,530 {1,150}	*3,750 {1,700}	1,690 (760)			*2,150 (970)	1,290 (580)	15' 11" (4.86 m)
-3' 3" {-1.0 m}	lb {kg}	*4,430 {2,010}	*4,430 {2,010}	*5,950 {2,700}	4,940 {2,240}	*5,330 {2,420}	2,530 {1,140}	*3,560 {1,610}	1,680 (760)			*2,850 {1,290}	1,480 (670)	14' 5" (4.40 m)
-6' 7" {-2.0 m}	lb {kg}			*6,530 {2,960}	5,070 {2,300}	*3,990 {1,810}	2,600 {1,180}					*3,010 {1,360}	2,090 (940)	11' 6" (3.50 m)

SK45SRX Canopy		Arm: 5' 1" {1.55 m} Bucket: Without Shoe: 15.7" {400 mm} Counterweight: Standard counterweight Dozer: Blade down														
		A		3' 3" {1.0 m}		6' 7" {2.0 m}		9' 10" {3.0 m}		13' 1" {4.0 m}		16' 5" {5.0 m}		At Max. Reach		Radius
																
B																
13' 1" {4.0 m}	lb {kg}													*1,880 {850}	1,840 {830}	13' 0" {3.96 m}
9' 10" {3.0 m}	lb {kg}						*2,560 {1,160}	*2,560 {1,160}	*2,540 {1,150}	1,810 {820}				*1,720 {780}	1,410 {640}	15' 2" {4.64 m}
6' 7" {2.0 m}	lb {kg}						*3,750 {1,700}	2,720 {1,230}	*2,940 {1,330}	1,740 {790}				*1,730 {780}	1,230 {560}	16' 3" {4.97 m}
3' 3" {1.0 m}	lb {kg}						*5,100 {2,310}	2,510 {1,140}	*3,450 {1,560}	1,660 {750}	*2,260 {1,020}	1,200 {540}		*1,850 {840}	1,180 {530}	16' 6" {5.04 m}
G. L.	lb {kg}			*3,050 {1,380}	*3,050 {1,380}	*5,640 {2,560}	2,410 {1,090}	*3,750 {1,700}	1,600 {720}					*2,150 {970}	1,220 {550}	15' 11" {4.86 m}
-3' 3" {-1.0 m}	lb {kg}	*4,430 {2,010}	*4,430 {2,010}	*5,950 {2,700}	4,710 {2,130}	*5,330 {2,420}	2,400 {1,090}	*3,560 {1,610}	1,600 {720}					*2,850 {1,290}	1,410 {640}	14' 5" {4.40 m}
-6' 7" {-2.0 m}	lb {kg}			*6,530 {2,960}	4,840 {2,190}	*3,990 {1,810}	2,470 {1,120}							*3,010 {1,360}	1,990 {900}	11' 6" {3.50 m}

SK45SRX Cab		Arm: 5' 1" {1.55 m}		Bucket: Without		Shoe: 15.7" {400 mm}		Counterweight: Standard counterweight + 551 lb {250 kg}		Dozer: Blade down				
A	B	3' 3" {1.0 m}		6' 7" {2.0 m}		9' 10" {3.0 m}		13' 1" {4.0 m}		16' 5" {5.0 m}		At Max. Reach		Radius
														
13' 1" {4.0 m}	lb {kg}											*1,880 {850}	*1,880 {850}	13' 0" {3.96 m}
9' 10" {3.0 m}	lb {kg}					*2,560 {1,160}	*2,560 {1,160}	*2,540 {1,150}	2,170 {980}			*1,720 {780}	1,700 {770}	15' 2" {4.64 m}
6' 7" {2.0 m}	lb {kg}					*3,750 {1,700}	3,240 {1,470}	*2,940 {1,330}	2,100 {950}			*1,730 {780}	1,510 {680}	16' 3" {4.97 m}
3' 3" {1.0 m}	lb {kg}					*5,100 {2,310}	3,030 {1,370}	*3,450 {1,560}	2,020 {910}	*2,260 {1,020}	1,470 {660}	*1,850 {840}	1,450 {650}	16' 6" {5.04 m}
G. L.	lb {kg}			*3,050 {1,380}	*3,050 {1,380}	*5,640 {2,560}	2,930 {1,330}	*3,750 {1,700}	1,960 {890}			*2,150 {970}	1,500 {680}	15' 11" {4.86 m}
-3' 3" {-1.0 m}	lb {kg}	*4,430 {2,010}	*4,430 {2,010}	*5,950 {2,700}	5,690 {2,580}	*5,330 {2,420}	2,920 {1,320}	*3,560 {1,610}	1,950 {880}			*2,850 {1,290}	1,720 {780}	14' 5" {4.40 m}
-6' 7" {-2.0 m}	lb {kg}			*6,530 {2,960}	5,820 {2,640}	*3,990 {1,810}	3,000 {1,360}					*3,010 {1,360}	2,410 {1,090}	11' 6" {3.50 m}

SK45SRX Canopy		Arm: 5' 1" {1.55 m}		Bucket: Without		Shoe: 15.7" {400 mm}		Counterweight: Standard counterweight + 551 lb {250 kg}		Dozer: Blade down						
		3' 3" {1.0 m}		6' 7" {2.0 m}		9' 10" {3.0 m}		13' 1" {4.0 m}		16' 5" {5.0 m}		At Max. Reach		Radius		
B	A	13' 1" {4.0 m}	lb {kg}									*1,880 {850}	*1,880 {850}	13' 0" {3.96 m}		
		9' 10" {3.0 m}	lb {kg}				*2,560 {1,160}	*2,560 {1,160}	*2,540 {1,150}	2,080 {940}			*1,720 {780}	1,630 {740}	15' 2" {4.64 m}	
		6' 7" {2.0 m}	lb {kg}				*3,750 {1,700}	3,110 {1,410}	*2,940 {1,330}	2,010 {910}			*1,730 {780}	1,440 {650}	16' 3" {4.97 m}	
		3' 3" {1.0 m}	lb {kg}				*5,100 {2,310}	2,910 {1,320}	*3,450 {1,560}	1,930 {870}	*2,260 {1,020}	1,400 {630}	*1,850 {840}	1,380 {630}	16' 6" {5.04 m}	
		G. L.	lb {kg}			*3,050 {1,380}	*3,050 {1,380}	*5,640 {2,560}	2,810 {1,270}	*3,750 {1,700}	1,870 {850}			*2,150 {970}	1,440 {650}	15' 11" {4.86 m}
		-3' 3" {-1.0 m}	lb {kg}	*4,430 {2,010}	*4,430 {2,010}	*5,950 {2,700}	5,450 {2,470}	*5,330 {2,420}	2,800 {1,270}	*3,560 {1,610}	1,870 {840}			*2,850 {1,290}	1,650 {750}	14' 5" {4.40 m}
		-6' 7" {-2.0 m}	lb {kg}			*6,530 {2,960}	5,590 {2,530}	*3,990 {1,810}	2,870 {1,300}					*3,010 {1,360}	2,310 {1,040}	11' 6" {3.50 m}

Note:

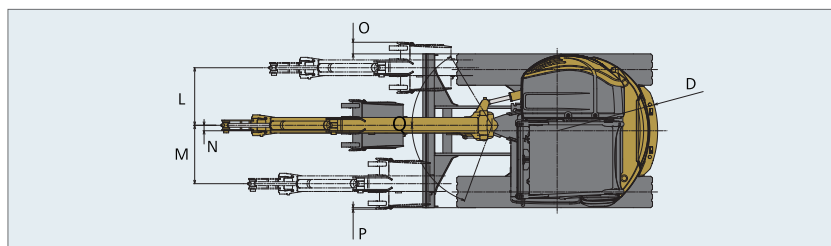
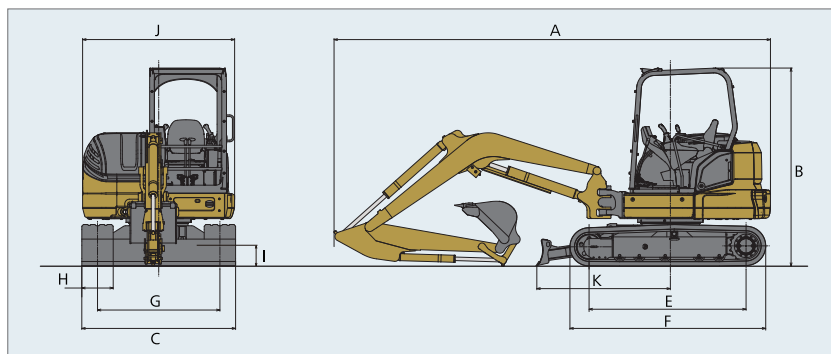
- Do not attempt to lift or hold any load that is greater than these lift capacities at their specified lift point radius and heights. Weight of all accessories must be deducted from the above lift capacities.
- Lift capacities are based on machine standing on level, firm, and uniform ground. User must 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.
- Arm bucket pin, without bucket is defined as lift point.
- The above lift capacities are in compliance with SAE J/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.
- 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.
- Lift capacities apply to only machines as originally manufactured and normally equipped by KOBELCO CONSTRUCTION MACHINERY CO., LTD.

Specifications

GENERAL				
MODEL			SK55SRX	
Type			SK55SRX-7	
Operating Weight	Cab	lb {kg}	12,147 {5,510}*	
	Canopy	lb {kg}	11,817 {5,360}*	
Bucket Capacity		cu.yd. {m³}	0.12 {0.16}	
Bucket Width (with side cutter)		ft-in {mm}	25.6" {650}	
Arm Length		ft-in {m}	5' 7" {1.69}	
Bucket Digging Force (SAE)		lbf {kN}	6,992 {31.1}	
Arm Crowding Force (SAE)		lbf {kN}	9,802 {43.6} Two pin bucket	
			5,417 {24.1}	
ENGINE				
Model			YANMAR 4TNV88C-PYBD	
Type			Water cooled, 4-cycle, 4-cylinder, direct injection, diesel engine, Tier IV Final certified	
Power Output		hp {kW}/rpm	37.0 {27.7}/2,400 (SAE NET)	
Max. Torque		lbf-ft {N-m}/rpm	101 {136.8}/1,560 (SAE NET)	
Displacement		cu.in. {L}	133.6 {2.189}	
Fuel Tank		U.S. gal {L}	19.8 {75}	
HYDRAULIC SYSTEM				
Pump			Two variable displacement pumps+ two gear pumps (one for pilot)	
Max. Discharge Flow		U.S. gpm {L/min}	2 x 14.0 {53.0}, 8.9 {33.8}, 2.9 {10.8}	
Relief Valve Setting		psi {MPa}	3,340 {23.0}	
Hydraulic Oil Tank (system)		U.S. gal {L}	7.4 {27.9} {15.6 {59.0}}	
TRAVEL SYSTEM				
Travel Motors			2 x axial-piston, two-step motors	
Parking Brake			Oil disc brake per motor	
Travel Speed (high/low)		mph {km/h}	2.8 {4.5} /1.5 {2.4}	
Drawbar Pulling Force (SAE)		lbf {kN}	12,200 {54.3}	
CRAWLER				
Shoe Width		in {mm}	15.7" {400}	
Ground Pressure	Cab	psi {kPa}	4.5 {31.1}*	
	Canopy	psi {kPa}	4.4 {30.2}*	
DOZER BLADE				
Width x Height		ft-in {mm}	6' 5" {1,960} x 13.6" {345}	
Working Ranges (height/depth)		ft-in {mm}	18.3" {465} x 13.2" {335}	
SWING SYSTEM				
Swing Motor			Axial piston motor	
Parking Brake			Oil disc brake, hydraulic operated automatically	
Swing Speed		min⁻¹ {rpm}	8.5 {8.5}	
Tail Swing Radius		ft-in {mm}	4' 2" {1,270}*	
Min. Front Swing Radius	Over the front	Cab	ft-in {mm}	7' 5" {2,250}
		Canopy	ft-in {mm}	7' 5" {2,250}
	At full boom swing	Cab	ft-in {mm}	6' 1" {1,850}
		Canopy	ft-in {mm}	6' 1" {1,850}
SIDE DIGGING MECHANISM				
Type			Boom swing	
Offset Angle	To the left	degree	70	
	To the right	degree	59	

*Figures show the values with additional counterweight equipped as standard.

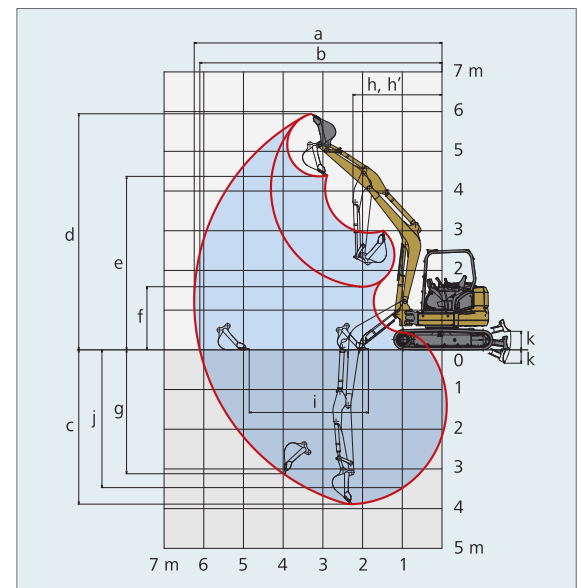
Dimensions



Working Ranges

Unit: ft-in (mm)

Model	SK55SRX			
	Cab	Canopy	Cab	Canopy
Boom length	9' 10" {2.99 m}			
Arm length	Standard 5' 7" {1.69 m}		Long 6' 4" {1.92 m}	
a- Max. digging reach	20' 6" {6,240}	21' 2" {6,460}		
b- Max. digging reach at ground level	20' 0" {6,100}	20' 9" {6,330}		
c- Max. digging depth	12' 9" {3,890}	13' 6" {4,120}		
d- Max. digging height	19' 6" {5,950}	20' 0" {6,100}		
e- Max. dumping clearance	14' 4" {4,370}	14' 10" {4,520}		
f- Min. dumping clearance	5' 3" {1,590}	4' 6" {1,360}		
g- Max. vertical wall digging depth	10' 3" {3,120}	11' 0" {3,350}		
h- Min. swing radius	7' 5" {2,250}	7' 5" {2,270}		
h'- Min. swing radius at boom swing	6' 1" {1,850}	6' 2" {1,870}		
i- Horizontal digging stroke at ground level	9' 10" {3,000}	11' 1" {3,390}		
j- Digging depth for 2.4 m (8') flat bottom	11' 5" {3,470}	12' 3" {3,730}		
k- Dozer blade (height/depth)	18.3" {465} /13.2" {335}			



Hydraulic P.T.O.

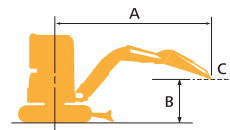
Specification	Output	Maximum Pressure psi (MPa)	Max. Flow U.S. gpm, (lpm)	
			2,000 rpm	1,000 rpm
N&B		3,340 {23.0}	19.1 {72.4}	9.6 {36.2}
Rotary		3,190 {22.0}	7.5 {28.2}	3.7 {14.1}

Unit: ft-in (mm)

Model		SK55SRX
A Overall length (Additional counterweight)		18' 3" {5,560}
B Overall height (Cab/Canopy)		8' 5" {2,560} /8' 4" {2,530}
C Overall width		6' 5" {1,960}
D Tail swing radius (Additional counterweight)		4' 2" {1,270}
E Tumbler distance		6' 7" {2,000}
F Overall length of crawler		8' 2" {2,500}
G Track gauge		5' 1" {1,560}
H Shoe width		15.7" {400}
I Ground clearance		12.6" {320}
J Overall width of upperstructure		6' 4" {1,940}
K Distance from dozer top to center of upperstructure		5' 7" {1,700}

Model		SK55SRX
L Boom offset volume (right)		29.0" {735}
M Boom offset volume (left)		29.0" {745}
N Offset volume of boom center		2.8" {70}
O Digging distance outside crawler shoe (right)		6.0" {150}
P Digging distance outside crawler shoe (left)		1.0" {20}
Q Boom swing angle (left/right)		70°/59°

Lift Capacities



Rating over front



Rating over side or 90 degrees

A – Reach from swing centerline for arm top

B – Arm top height above/below ground

C – Lift point

Shoe: Rubber shoe Dozer blade: Down

* Relief valve setting: 3,340 psi (23.0 MPa)

SK55SRX Cab		Arm: 5' 7" {1.69 m}		Bucket: Without		Shoe: 15.7" {400 mm}		Counterweight: Standard counterweight + 551 lb (250 kg)				Dozer: Blade down			
B	A	3' 3" {1.0 m}		6' 7" {2.0 m}		9' 10" {3.0 m}		13' 1" {4.0 m}		16' 5" {5.0 m}		At Max. Reach		Radius	
															
16' 5" {5.0 m}	lb {kg}											*2,270 {1,030}	*2,270 {1,030}	11' 1" {3.38 m}	
13' 1" {4.0 m}	lb {kg}							*2,040 {920}	*2,040 {920}			*2,200 {990}	2,090 {950}	14' 8" {4.47 m}	
9' 10" {3.0 m}	lb {kg}							*2,190 {990}	*2,190 {990}	*2,210 {1,000}	1,750 {790}	*2,230 {1,010}	1,700 {770}	16' 7" {5.07 m}	
6' 7" {2.0 m}	lb {kg}					*3,540 {1,600}	*3,540 {1,600}	*2,670 {1,210}	2,380 {1,080}	*2,340 {1,060}	1,710 {780}	*2,300 {1,040}	1,530 {690}	17' 7" {5.37 m}	
3' 3" {1.0 m}	lb {kg}					*4,880 {2,210}	3,390 {1,540}	*3,210 {1,460}	2,280 {1,030}	*2,560 {1,160}	1,670 {750}	*2,390 {1,080}	1,480 {670}	17' 9" {5.43 m}	
G. L.	lb {kg}			*2,760 {1,250}	*2,760 {1,250}	*5,420 {2,460}	3,280 {1,490}	*3,570 {1,620}	2,200 {1,000}	*2,690 {1,220}	1,640 {740}	*2,510 {1,140}	1,530 {690}	17' 3" {5.27 m}	
-3' 3" {-1.0 m}	lb {kg}	*4,590 {2,080}	*4,590 {2,080}	*5,700 {2,580}	*5,700 {2,580}	*5,260 {2,390}	3,270 {1,480}	*3,560 {1,610}	2,190 {990}			*2,650 {1,200}	1,700 {770}	15' 11" {4.85 m}	
-6' 7" {-2.0 m}	lb {kg}	*7,080 {3,210}	*7,080 {3,210}	*7,320 {3,320}	6,490 {2,940}	*4,450 {2,010}	3,330 {1,510}	*2,920 {1,320}	2,230 {1,010}			*2,780 {1,260}	2,170 {980}	13' 5" {4.09 m}	
-9' 10" {-3.0 m}	lb {kg}			*3,430 {1,560}	*3,430 {1,560}							*2,590 {1,170}	*2,590 {1,170}	8' 3" {2.52 m}	

SK55SRX Canopy		Arm: 5' 7" {1.69 m}		Bucket: Without		Shoe: 15.7" {400 mm}		Counterweight: Standard counterweight + 551 lb {250 kg}				Dozer: Blade down			
		3' 3" {1.0 m}		6' 7" {2.0 m}		9' 10" {3.0 m}		13' 1" {4.0 m}		16' 5" {5.0 m}		At Max. Reach		Radius	
B															
	16' 5" {5.0 m}	lb {kg}											*2,270 {1,030}	*2,270 {1,030}	11' 1" {3.38 m}
	13' 1" {4.0 m}	lb {kg}							*2,040 {920}	*2,040 {920}			*2,200 {990}	2,020 {910}	14' 8" {4.47 m}
	9' 10" {3.0 m}	lb {kg}							*2,190 {990}	*2,190 {990}	*2,210 {1,000}	1,680 {760}	*2,230 {1,010}	1,640 {740}	16' 7" {5.07 m}
	6' 7" {2.0 m}	lb {kg}					*3,540 {1,600}	3,520 {1,600}	*2,670 {1,210}	2,300 {1,040}	*2,340 {1,060}	1,650 {750}	*2,300 {1,040}	1,480 {670}	17' 7" {5.37 m}
	3' 3" {1.0 m}	lb {kg}					*4,880 {2,210}	3,270 {1,480}	*3,210 {1,460}	2,200 {990}	*2,560 {1,160}	1,610 {730}	*2,390 {1,080}	1,420 {640}	17' 9" {5.43 m}
	G. L.	lb {kg}			*2,760 {1,250}	*2,760 {1,250}	*5,420 {2,460}	3,160 {1,430}	*3,570 {1,620}	2,120 {960}	*2,690 {1,220}	1,570 {710}	*2,510 {1,140}	1,470 {660}	17' 3" {5.27 m}
	-3' 3" {-1.0 m}	lb {kg}	*4,590 {2,080}	*4,590 {2,080}	*5,700 {2,580}	*5,700 {2,580}	*5,260 {2,390}	3,150 {1,430}	*3,560 {1,610}	2,100 {950}			*2,650 {1,200}	1,640 {740}	15' 11" {4.85 m}
	-6' 7" {-2.0 m}	lb {kg}	*7,080 {3,210}	*7,080 {3,210}	*7,320 {3,320}	6,260 {2,840}	*4,450 {2,010}	3,210 {1,450}	*2,920 {1,320}	2,150 {970}			*2,780 {1,260}	2,090 {950}	13' 5" {4.09 m}
	-9' 10" {-3.0 m}	lb {kg}			*3,430 {1,560}	*3,430 {1,560}							*2,590 {1,170}	*2,590 {1,170}	8' 3" {2.52 m}

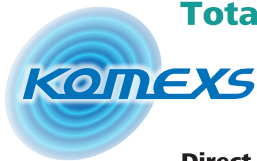
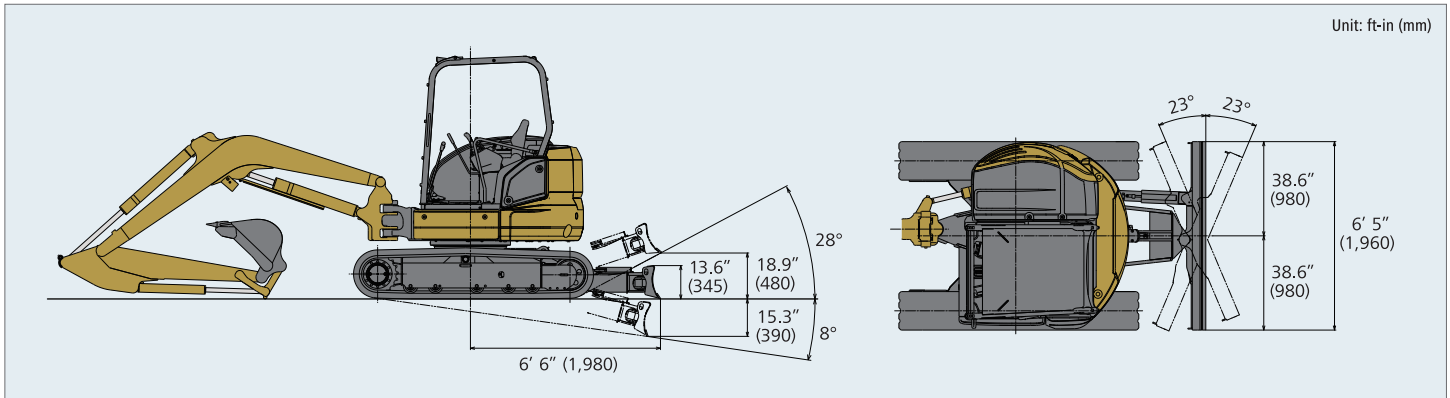
SK55SRX Cab		Arm: 6' 4" {1.92 m}		Bucket: Without		Shoe: 15.7" {400 mm}		Counterweight: Standard counterweight + 551 lb {250 kg}				Dozer: Blade down		Radius
B	A	3' 3" {1.0 m}		6' 7" {2.0 m}		9' 10" {3.0 m}		13' 1" {4.0 m}		16' 5" {5.0 m}		At Max. Reach		
16' 5" {5.0 m}	lb {kg}											*2,050 {930}	*2,050 {930}	12' 4" {3.76 m}
13' 1" {4.0 m}	lb {kg}							*1,790 {810}	*1,790 {810}			*2,030 {920}	1,900 {860}	15' 7" {4.75 m}
9' 10" {3.0 m}	lb {kg}							*1,970 {890}	*1,970 {890}	*2,020 {910}	1,750 {790}	*2,070 {940}	1,580 {710}	17' 5" {5.31 m}
6' 7" {2.0 m}	lb {kg}					*3,130 {1,420}	*3,130 {1,420}	*2,460 {1,110}	2,390 {1,080}	*2,200 {990}	1,710 {770}	*2,140 {970}	1,430 {650}	18' 4" {5.59 m}
3' 3" {1.0 m}	lb {kg}					*4,570 {2,070}	3,400 {1,540}	*3,050 {1,380}	2,270 {1,030}	*2,450 {1,110}	1,650 {750}	*2,230 {1,010}	1,380 {620}	18' 6" {5.65 m}
G. L.	lb {kg}			*2,860 {1,300}	*2,860 {1,300}	*5,310 {2,400}	3,260 {1,470}	*3,470 {1,570}	2,180 {990}	*2,630 {1,190}	1,610 {730}	*2,350 {1,060}	1,410 {640}	18' 0" {5.50 m}
-3' 3" {-1.0 m}	lb {kg}	*4,000 {1,810}	*4,000 {1,810}	*5,200 {2,360}	*5,200 {2,360}	*5,310 {2,410}	3,220 {1,460}	*3,560 {1,610}	2,150 {970}	*2,590 {1,170}	1,600 {720}	*2,480 {1,120}	1,560 {700}	16' 9" {5.10 m}
-6' 7" {-2.0 m}	lb {kg}	*6,130 {2,780}	*6,130 {2,780}	*7,990 {3,620}	6,380 {2,890}	*4,680 {2,120}	3,270 {1,480}	*3,140 {1,420}	2,180 {990}			*2,630 {1,190}	1,930 {870}	14' 5" {4.39 m}
-9' 10" {-3.0 m}	lb {kg}			*4,760 {2,160}	*4,760 {2,160}	*2,790 {1,260}	*2,790 {1,260}					*2,660 {1,210}	*2,660 {1,210}	10' 0" {3.07 m}

SK55SRX Canopy		Arm: 6' 4" {1.92 m}		Bucket: Without		Shoe: 15.7" {400 mm}		Counterweight: Standard counterweight + 551 lb {250 kg}				Dozer: Blade down		Radius	
		3' 3" {1.0 m}		6' 7" {2.0 m}		9' 10" {3.0 m}		13' 1" {4.0 m}		16' 5" {5.0 m}		At Max. Reach			
B	A														
	16' 5" {5.0 m}	lb {kg}										*2,050 {930}	*2,050 {930}	12' 4" {3.76 m}	
	13' 1" {4.0 m}	lb {kg}							*1,790 {810}	*1,790 {810}			*2,030 {920}	1,840 {830}	15' 7" {4.75 m}
	9' 10" {3.0 m}	lb {kg}							*1,970 {890}	*1,970 {890}	*2,020 {910}	1,690 {760}	*2,070 {940}	1,520 {690}	17' 5" {5.31 m}
	6' 7" {2.0 m}	lb {kg}					*3,130 {1,420}	*3,130 {1,420}	*2,460 {1,110}	2,310 {1,040}	*2,200 {990}	1,640 {740}	*2,140 {970}	1,380 {620}	18' 4" {5.59 m}
	3' 3" {1.0 m}	lb {kg}					*4,570 {2,070}	3,280 {1,490}	*3,050 {1,380}	2,190 {990}	*2,450 {1,110}	1,590 {720}	*2,230 {1,010}	1,330 {600}	18' 6" {5.65 m}
	G. L.	lb {kg}			*2,860 {1,300}	*2,860 {1,300}	*5,310 {2,400}	3,130 {1,420}	*3,470 {1,570}	2,100 {950}	*2,630 {1,190}	1,550 {700}	*2,350 {1,060}	1,360 {610}	18' 0" {5.50 m}
-3' 3" {-1.0 m}	lb {kg}	*4,000 {1,810}	*4,000 {1,810}	*5,200 {2,360}	*5,200 {2,360}	*5,310 {2,410}	3,110 {1,410}	*3,560 {1,610}	2,070 {940}	*2,590 {1,170}	1,540 {700}	*2,480 {1,120}	1,500 {680}	16' 9" {5.10 m}	
-6' 7" {-2.0 m}	lb {kg}	*6,130 {2,780}	*6,130 {2,780}	*7,990 {3,620}	6,150 {2,790}	*4,680 {2,120}	3,150 {1,430}	*3,140 {1,420}	2,100 {950}			*2,630 {1,190}	1,860 {840}	14' 5" {4.39 m}	
-9' 10" {-3.0 m}	lb {kg}			*4,760 {2,160}	*4,760 {2,160}	*2,790 {1,260}	*2,790 {1,260}					*2,660 {1,210}	*2,660 {1,210}	10' 0" {3.07 m}	

Note:

- 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.
- 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.
- Arm bucket pin, without bucket is defined as lift point.
- The above lift capacities are in compliance with SAE J150 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.
- 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.
- Lift capacities apply to only machines as originally manufactured and normally equipped by KOBELCO CONSTRUCTION MACHINERY CO., LTD.

4-Way Blade (SK45SRX/SK55SRX)



Total Support for Machines with Network Speed and Accuracy Option

KOMEXS is a telematics system for receiving machine information. Manage your machines anywhere in the world using the Internet. Location, workload and diagnostic data aid business operations.

Direct Access to Operational Status

Location Data

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

Fuel Consumption Data

Data on fuel consumption and idling times can be used to indicate improvements in fuel consumption.

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.

Graph of Work Content

The graph shows how working hours are divided among different operating categories.



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.

Security System

Engine Start Alarm

Sends a notification if the engine is started outside of pre-defined hours.

Area Alarm

Sends a notification if the machine leaves a pre-defined area.

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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