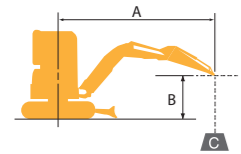


LIFTING CAPACITIES



Rating over front



Rating over side or 360 degrees

A: Reach from swing centerline to arm tip
 B: Arm tip height above/below ground
 C: Lifting capacities in pounds
 Shoe: Rubber shoe Dozer blade: Down
 Relief valve setting: 3.335 psi (23 MPa)

SK55SRX Cab		Arm: 5' 7" (1.69 m), Bucket: without Shoe: 15.7" (400) mm Heavy Counterweight														
B	A	5 ft		7.5 ft		10 ft		12.5 ft		15 ft		17.5 ft		At Max. Reach		Radius (ft)
		Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees			
15 ft	lb							*2,150	*2,150					*2,220	*2,220	12.93
12.5 ft	lb							*2,000	*2,000	*2,190	1,990			*2,210	1,950	15.15
10 ft	lb							*2,190	*2,190	*2,190	1,980			*2,240	1,690	16.57
7.5 ft	lb			*4,350	*4,350	*3,090	*3,090	*2,610	2,560	*2,370	1,950			*2,290	1,550	17.43
5 ft	lb					*4,190	3,390	*3,120	2,470	*2,630	1,900	*2,380	1,520	*2,360	1,480	17.82
2.5 ft	lb					*5,020	3,250	*3,580	2,390	*2,880	1,850	*2,480	1,500	*2,440	1,460	17.77
G.L.	lb			*3,700	*3,700	*5,360	3,190	*3,860	2,330	*3,040	1,820			*2,540	1,510	17.3
-2.5 ft	lb	*4,140	*4,140	*5,890	4,980	*5,310	3,170	*3,890	2,310	*3,030	1,810			*2,640	1,620	16.35
-5 ft	lb	*6,310	*6,310	*7,070	5,030	*4,900	3,190	*3,640	2,330					*2,750	1,860	14.8
-7.5 ft	lb	*9,140	*9,140	*5,660	5,120	*3,990	3,250							*2,830	2,420	12.37
-10 ft	lb			*2,740	2,740									*2,570	*2,570	7.84

SK55SRX Canopy		Arm: 5' 7" (1.69 m), Bucket: without Shoe: 15.7" (400) mm Heavy Counterweight														
B	A	5 ft		7.5 ft		10 ft		12.5 ft		15 ft		17.5 ft		At Max. Reach		Radius (ft)
		Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees	Rating over front	Rating over side or 360 degrees			
15 ft	lb							*2,150	*2,150					*2,220	*2,220	12.93
12.5 ft	lb							*2,000	*2,000	*2,190	1,940			*2,210	1,910	15.15
10 ft	lb							*2,190	*2,190	*2,190	1,940			*2,240	1,650	16.57
7.5 ft	lb			*4,350	*4,350	*3,090	*3,090	*2,610	2,500	*2,370	1,900			*2,290	1,510	17.43
5 ft	lb					*4,190	3,310	*3,120	2,410	*2,630	1,850	*2,380	1,480	*2,360	1,440	17.82
2.5 ft	lb					*5,020	3,170	*3,580	2,330	*2,880	1,810	*2,480	1,460	*2,440	1,420	17.77
G.L.	lb			*3,700	*3,700	*5,360	3,110	*3,860	2,270	*3,040	1,780			*2,540	1,470	17.3
-2.5 ft	lb	*4,140	*4,140	*5,890	4,850	*5,310	3,090	*3,890	2,250	*3,030	1,760			*2,640	1,580	16.35
-5 ft	lb	*6,310	*6,310	*7,070	4,900	*4,900	3,110	*3,640	2,270					*2,750	1,820	14.8
-7.5 ft	lb	*9,140	*9,140	*5,660	4,990	*3,990	3,170							*2,830	2,360	12.37
-10 ft	lb			*2,740	*2,740									*2,570	*2,570	7.84

Notes:

- 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 tip defined as lift point.
- 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. The excavator bucket weight is not included on this chart. Lifting capacities are for standard arm.
- 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 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. It may also 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 catalog may be reproduced in any manner without notice.

KOBELCO CONSTRUCTION MACHINERY U.S.A. INC.

22350 Merchants Way
 Katy, Texas 77449
 T: 281-888-8430
 F: 281-506-8713
 www.KOBELCO-USA.com/

Inquiries To:

KOBELCO

SK55SRX-6E

MINI EXCAVATORS SK55SRX



DRIVEN BY
PASSION

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

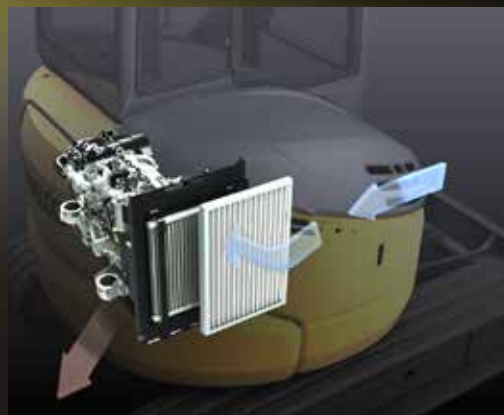
COMPACT YET TOUGH MINI

Now KOBELCO has taken the next evolutionary step by packing even more digging power and practical performance features into the 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.



iNDr+E

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 muffler is designed to disperse and slow down the exhaust. The muffler exhaust is directed underneath for environmental protection. The SK55SRX is an advanced machine which incorporates the iNDr system and eco-friendly system (iNDr+E).



iNDr Cooling System

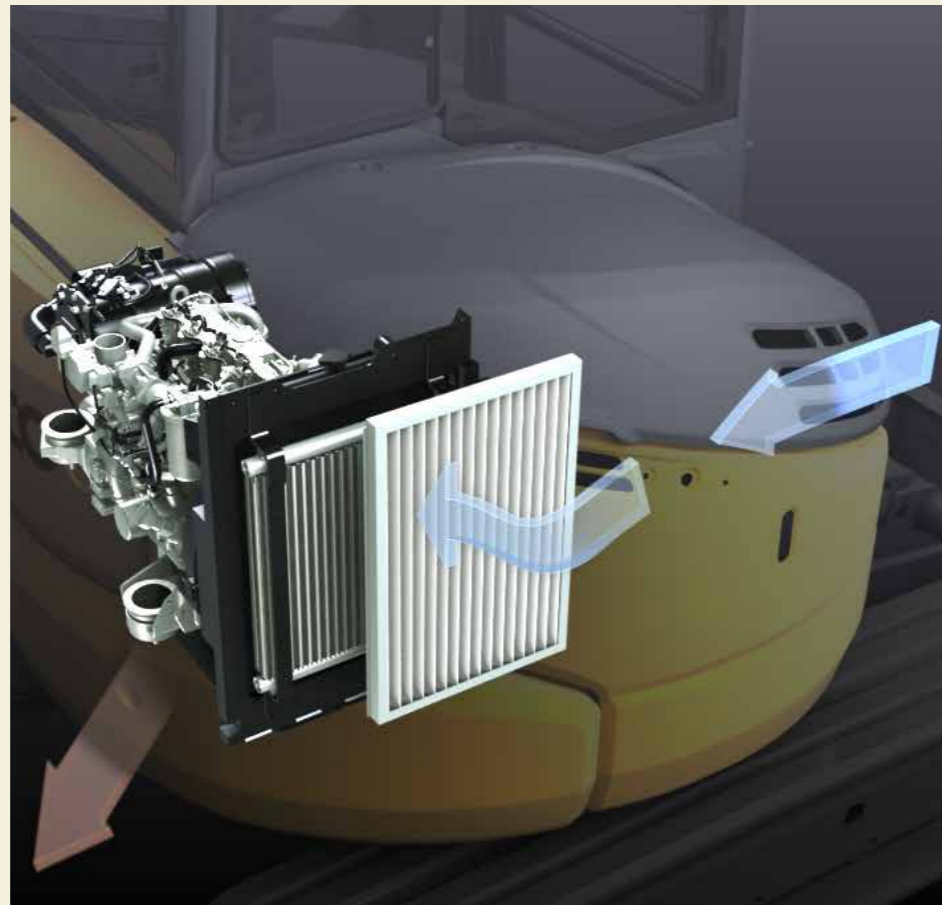
The Revolutionary Integrated Noise and Dust Reduction Cooling System



The iNDr+E system on the 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, but also directs the muffler exhaust underneath. Small holes on the muffler disperse and slow down the exhaust. The exhaust is further slowed down and cooled through the offset duct and then discharged into the atmosphere.

iNDr Filter Blocks Out Dust

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



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.



Offset duct slow down exhaust



Exhaust: exhaust from the muffler



Holes on the muffler disperse exhaust

Ultimate Low Noise

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

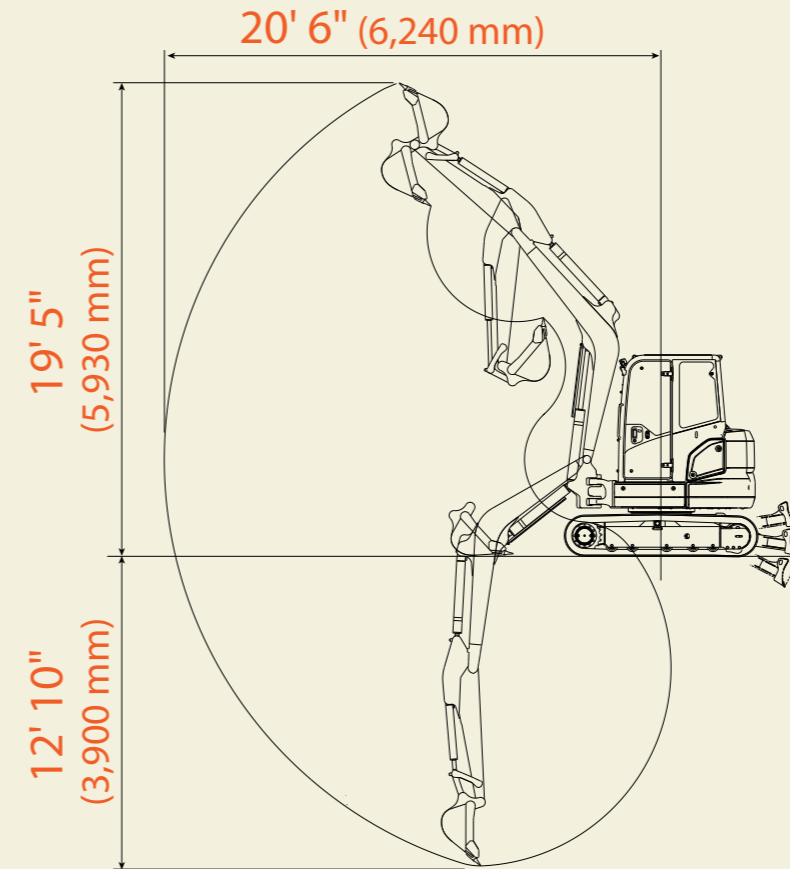


at 3' 3" (1 m) backward from machine rearend and 4' 11" (1.5 m) height from ground level.

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: 11.4" (290 mm)*

*Figures show the value with heavy counterweight.

Energy Conservation Mode

The SK55SRX adapts S mode which enables 25 percent less fuel consumption compared with the previous model.



One Touch Deceleration

The 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 cab height of 8' 4" (2,530 mm), the machine is designed for easy transport.



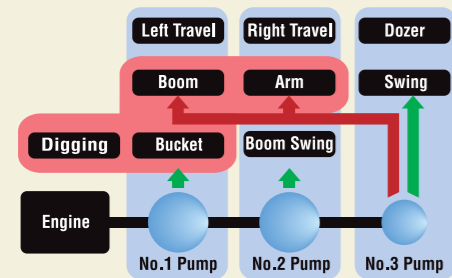
Overall height: 8'4" (2,530 mm)

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.



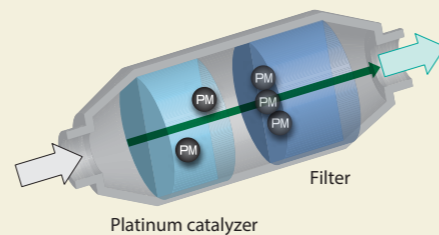
Large Capacity Engine

The large-capacity engine meets Tier IV final requirements and packs plenty of power for outstanding hydraulic performance.



Diesel Particulate Filter (DPF)

DP filter greatly reduces PM emissions. Carbon builds up as soot on the diesel particulate filter and is then burned off at high temperatures.



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.

Travel Switch

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



Powerful and Efficient Dozer Performance

New 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.



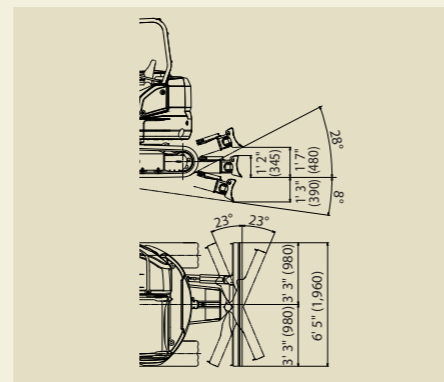
Hydraulic Pilot-Controlled Dozer Operation Lever

The dozer lever features hydraulic pilot control for precise handling.



New 4-way Blade Option

Brand new from KOBELCO is a 4-way blade option available on the SK55SRX. Built-in the same durability as the standard blade, this 4-way option provides 23 to 25 degrees of left and right angle movement for clearing, grading and back-filling. The 4-way blade gives you better control for following changing terrain and helps eliminate the windrowing effect that can occur with standard dozer blades. With all of these new options, the new KOBELCO Tier IV compact excavators are "Your Competitive Edge" for increased profitability.



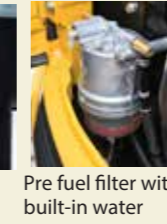
Easy Daily Maintenance

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 simplifies access and save time.

Easy Access to Engine Compartment



High-grade fuel filter



Pre fuel filter with built-in water separator



Air cleaner



Easy Access to Cooling Unit



iNDR filter



Easy Access Electrical Component Under the Seat



Hour meter



Fuel tank



Two-piece floor mats for easy washing

COMFORT

Comfortable Work Environment

Spacious Work Environment

The newly designed, rectangular cab is over 32 inches wide, with optimized control layout for comfortable, easy operation. A greater working 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 higher than before, make it much easier for operators enter and exit the cab.



Work Lights

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

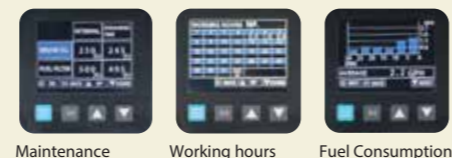


Skylight



Color Liquid Crystal Monitor (Optional)

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



Maintenance Working hours Fuel Consumption

Control Lever

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



Standard Pattern Changer

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



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 easy opening and closing.



Coat hook



Room light



Two-speaker FM/AM radio with station select



Operator Safety

Reliable Cab Structure

The high-strength cab meets ROPS and FOPS standards for greater operator safety.



Exclusive, Newly Designed TOPS/FOPS Canopy

The high-strength canopy meets all three TOPS, ROPS, and FOPS 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



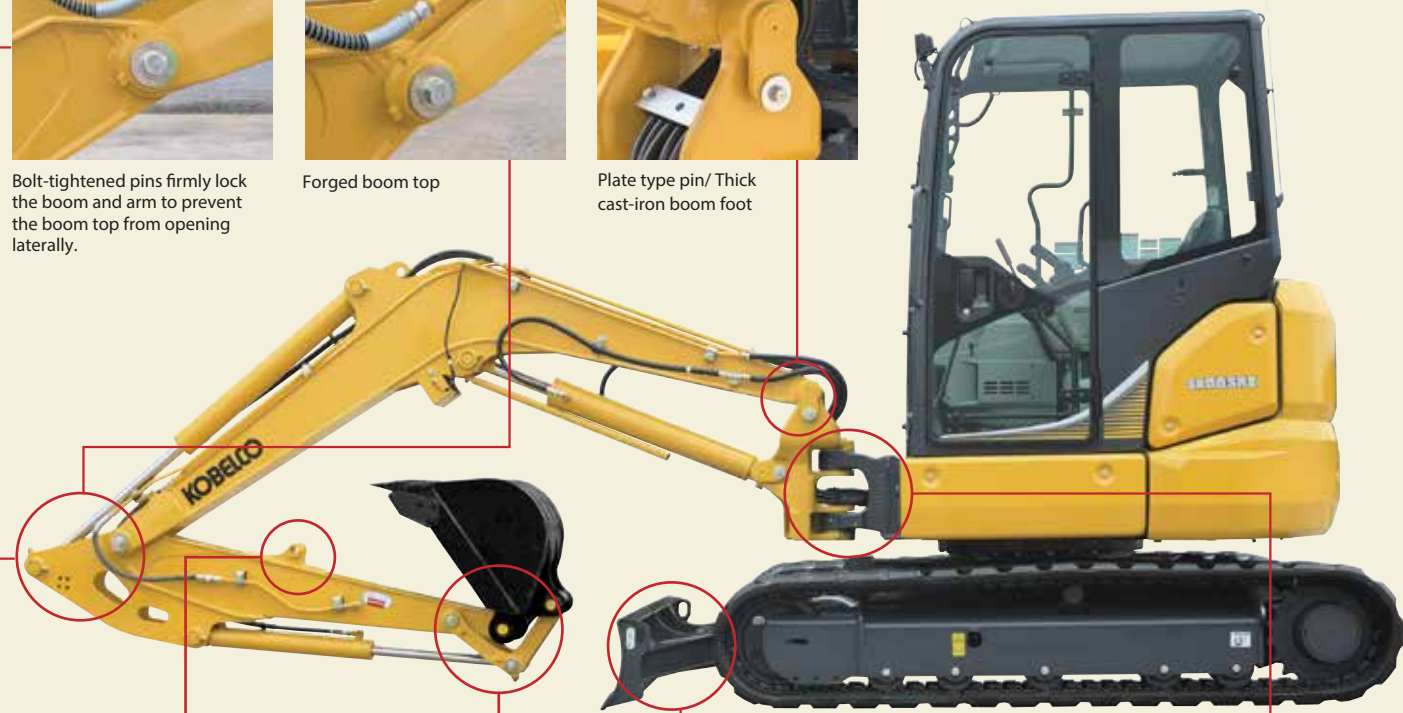
Bolt-tightened pins firmly lock the boom and arm to prevent the boom top from opening laterally.



Forged boom top



Plate type pin/ Thick cast-iron boom foot



Standard thumb mounting bracket



Bucket
Cast-iron idler link provide 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

A newly 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.



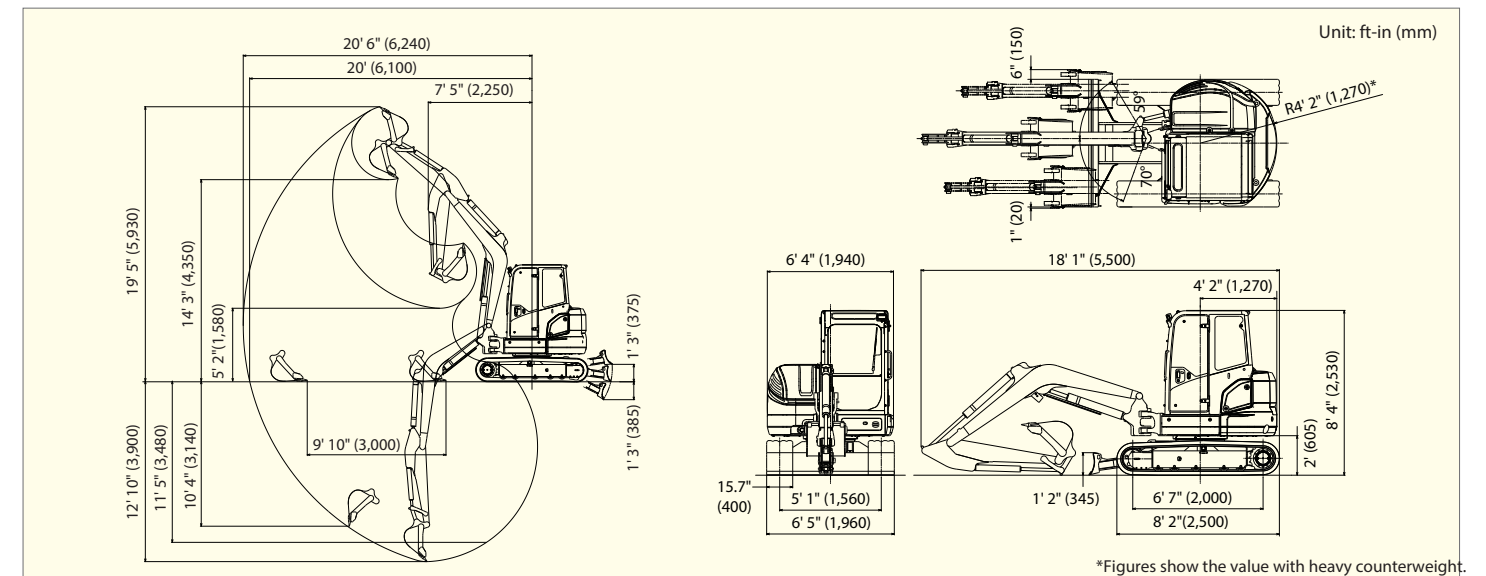
SPECIFICATIONS

GENERAL			
MODEL	SK55SRX		
Type	SK55SRX-6E		
Machine Mass	Cab	lbs (kg)	11,860 (5,380)*
	Canopy	lbs (kg)	11,600 (5,260)*
Bucket Capacity	cu ft (m ³)	5.65 (0.16)	
Bucket Width (with side cutter)	ft-in (mm)	2' 2" (650)	
Arm Length	ft-in (m)	5' 5" (1.69)	
Bucket Digging Force (SAE)	lbf (kN)	7,000 (31.1)	
		11,128 (49.5): Two pin bucket	
Arm Crowding Force (SAE)	lbf (kN)	5,300 (23.7)	
ENGINE			
Model	YANMAR 4TNV88C-PYB		
Type	Water cooled, 4-cycle, 4-cylinder, direct injection, diesel engine		
Power Output	hp (kW)/rpm	37.4 (27.9)/2,400 (SAE NET)	
Max. Torque	lbf-ft (N-m)/rpm	97.3 (131.8)	
Displacement	cu in (L)	133.6 (2.189)	
Fuel Tank	U. S. gal (L)	19.8 (75)	
HYDRAULIC SYSTEM			
Pump	2 variable displacement pumps + 2 gear pumps (one for pilot)		
Max. Discharge Flow	US gal (L)/min	2 x 13.2 (49.9), 8.9 (33.8), 2.9 (10.8)	
Relief Valve Setting	psi (Mpa)	3,335 (23.0)	

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)	2.5 (4.0) / 1.4 (2.2)		
Drawbar Pulling Force (SAE)	lbf (kN)	12,342(54.9)		
CRAWLER				
Shoe Width	in (mm)	15.7" (400)		
Ground Pressure	Cab	psi (kPa)	4.39 (30.3)*	
	Canopy	psi (kPa)	4.29 (29.6)*	
DOZER BLADE				
Width x Height	ft-in (mm)	6' 5" (1,960) x 1' 2" (345)		
Working Ranges (height/depth)	ft-in (mm)	1' 3" (375) x 1' 3" (385)		
SWING SYSTEM				
Swing Motor	Axial piston motor			
Parking Brake	Oil disc brake, hydraulic operated automatically			
Swing Speed	min ⁻¹ (rpm)	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 value with heavy counterweight.

WORKING RANGES & DIMENSIONS



4-WAY BLADE

