

NEW



- Bucket capacity:
1.20 m³
- Engine power:
210 kW / 1,900 min⁻¹
- Operating weight:
37,000 - 39,300 kg



Engine

Model	ISUZU 6HK1
Type	Direct injection, water-cooled, 4 cycle diesel engine with turbocharger, intercooler
No. of cylinders	6
Bore and stroke	115 mm × 125 mm
Displacement	7.790 L
Rated power output	198 kW/1,900 min ⁻¹ (ISO 9249: with fan) 210 kW/1,900 min ⁻¹ (ISO 14396: without fan)
Max. torque	1,011 Nm/1,500 min ⁻¹ (ISO 9249: with fan) 1,080 N·m/1,500 min ⁻¹ (ISO 14396: without fan)



Travel system

Travel motors	2 × axial-piston, two-step motors
Parking brakes	Wet multiple plate
Travel shoes	48 each side
Travel speed	4.6/2.8 km/h
Drawbar pulling force	314 kN (SAE)
Gradeability	70 % {35°}



Swing system

Swing motor	One fixed displacement piston pump
Parking brake	Wet multiple plate
Swing speed	8.4 min ⁻¹
Swing torque	120 kN (SAE)
Tail swing radius	1,900 mm
Min. front swing radius	3,450 mm



Hydraulic system

Pump	
Type	Axial piston pumps + extra gear pump + pilot gear pump
Max. discharge flow	2 × 245 L/min, 1 × 44,3 L/min, 1 × 19 L/min
Relief valve setting	
Boom, arm and bucket	34.3 MPa {350 kgf/cm ² }
Power Boost	37.8 MPa {385 kgf/cm ² }
Travel circuit	34.3 MPa {350 kgf/cm ² }
Swing circuit	29.0 MPa {296 kgf/cm ² }
Control circuit	5.0 MPa {50 kgf/cm ² }
Pilot control pump	Gear type
Main control valves	8-spool
Oil cooler	Air cooled type

SK380SRLC



Working ranges

Unit: mm

Boom		6.20 m	
	Arm	Short 2.40 m	Standard 3.10 m
a- Max. digging reach		1.030	1.093
b- Max. digging reach at ground level		1.009	1.074
c- Max. digging depth		629	699
d- Max. digging height		1.078	1.117
e- Max. dumping clearance		775	815
f- Min. dumping clearance		387	311
g- Max. vertical wall digging depth		569	611
h- Min. swing radius		356	345
i- Horizontal digging stroke at ground level		399	559
j- Digging depth for 2.4 m (8') flat bottom		610	683
Bucket capacity ISO heaped m ³		1.20	

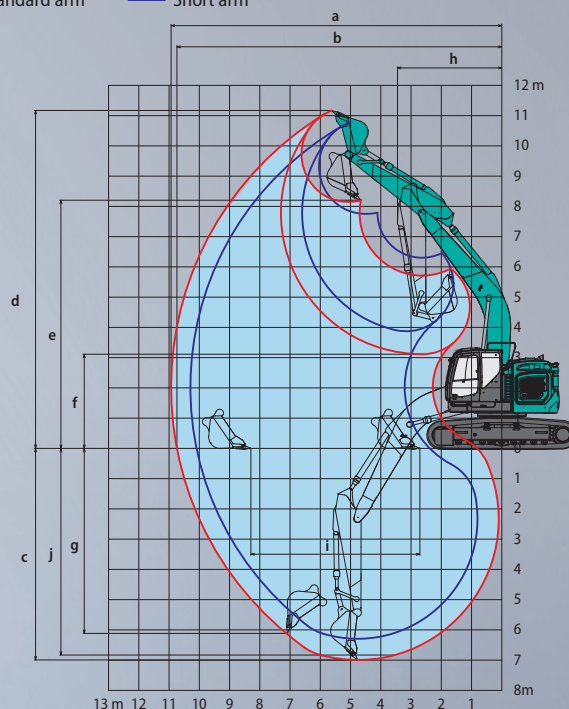
Digging force (ISO 6015)

Unit: kN

Arm length		Short 2.40 m	Standard 3.10 m
Bucket digging force		189 / 208*	189 / 208*
Arm crowding force		158 / 174*	126 / 139*

*Power Boost engaged.

— Standard arm — Short arm



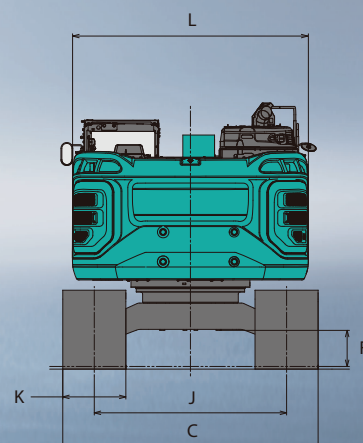
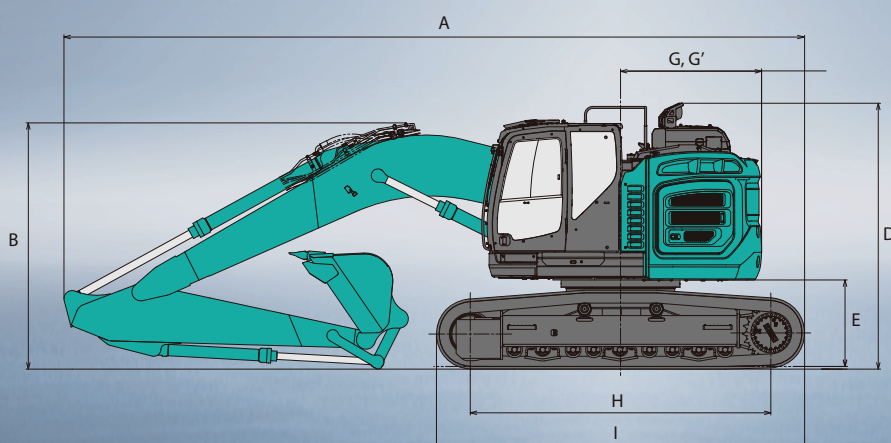
Dimensions

Unit: mm

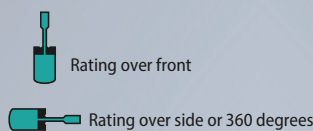
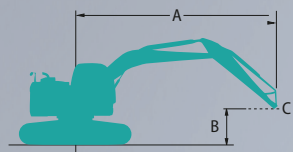
Arm length		Short 2.40 m	Standard 3.10 m
A Overall length		10,100	9,980
B Overall height (to top of boom)		3,550	3,310
C Overall width		3,190	
D Overall height (to top of muffler guard)		3,510	
D' Overall height (to top of cab)		3,350	
E Ground clearance of rear end*		1,160	

F Ground clearance*	500
G Tail swing radius	1,900
G' Distance from center of swing to rear end	1,900
H Tumbler distance	4,050
I Overall length of crawler	4,960
J Track gauge	2,590
K Shoe width	600
L Overall width of upperstructure	3,180











*Without including height of shoe lug















Lift Capacities



A - Reach from swing centerline to arm top
 B - Arm top height above/below ground
 C - Lift point
 Relief valve setting: 37.8 MPa {385 kgf/cm²}

SK380SRLC		Boom: 6.20 m Arm: 2.40 m Bucket: without Counterweight: 9,000 kg Shoe: 600mm (Heavy Lift)										
A B		3.0 m		4.5 m		6.0 m		7.5 m		At Max. Reach		Radius
												
9.0m	kg									*8,950	*8,950	5.04 m
7.5m	kg					*8,630	*8,630			*7,680	7,080	6.72 m
6.0m	kg			*10,240	*10,240	*9,010	8,450	*8,510	5,870	*7,230	5,540	7.74 m
4.5m	kg			*13,030	12,370	*10,150	8,040	*8,840	5,720	*7,150	4,780	8.36 m
3.0m	kg					*11,540	7,550	9,330	5,500	*7,340	4,410	8.67 m
1.5m	kg					*12,610	7,150	9,090	5,280	7,310	4,290	8.71 m
G.L.	kg			*15,460	10,410	12,440	6,940	8,940	5,150	7,530	4,390	8.47 m
-1.5m	kg	*11,100	*11,100	*16,530	10,460	12,390	6,890	8,920	5,130	8,260	4,790	7.94 m
-3.0m	kg	*18,730	*18,730	*14,550	10,650	*11,150	7,010			*8,880	5,720	7.03 m
-4.5m	kg			*10,840	*10,840					*8,260	8,180	5.58 m

SK380SRLC		Boom: 6.20 m		Arm: 3.10 m		Bucket: without		Counterweight: 9,000 kg		Shoe: 600mm (Heavy Lift)					
A B		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		At Max. Reach		Radius	
															
9.0m	kg					*5,380	*5,380					*4,790	*4,790	6.10 m	
7.5m	kg					*7,420	*7,420	*4,530	*4,530			*4,240	*4,240	7.53 m	
6.0m	kg					*7,960	*7,960	*7,600	5,960			*4,030	*4,030	8.45 m	
4.5m	kg		*16,910	*11,300	*11,300	*9,180	8,170	*8,110	5,770	*4,280	4,250	*3,990	*3,990	9.03 m	
3.0m	kg			*14,640	11,590	*10,700	7,640	*8,860	5,500	*6,770	4,140	*4,090	3,910	9.31 m	
1.5m	kg			*17,010	10,690	*12,030	7,180	9,070	5,250	6,910	4,020	*4,330	3,800	9.35 m	
G.L.	kg			*17,670	10,320	12,390	6,870	8,860	5,070	*6,450	3,940	*4,770	3,860	9.13 m	
-1.5m	kg		*11,420	*17,140	10,250	12,250	6,750	8,770	4,990			*5,530	4,150	8.64 m	
-3.0m	kg		*18,020	*15,650	10,370	*11,810	6,790	8,840	5,050			*6,960	4,800	7.82 m	
-4.5m	kg		*17,300	*12,830	10,690	*9,480	7,040					*8,160	6,290	6.54 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.
- Bucket pin attachment point defined as lift point.
- 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.
- 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.

2 Piece Boom Specifications



Working ranges

Unit: mm

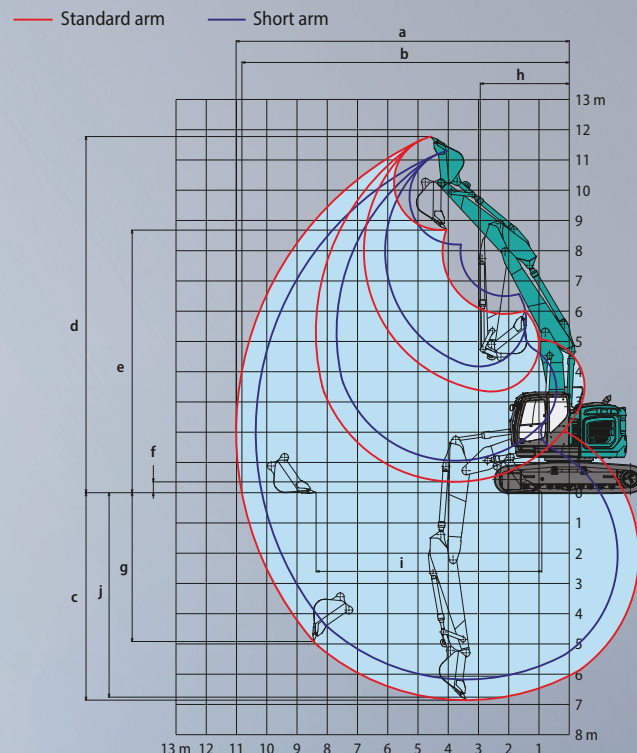
Boom		3.32 m + 2.98 m	
Range	Arm	Short	Standard
		2.40 m	3.10 m
a- Max. digging reach		1.036	1.101
b- Max. digging reach at ground level		1.016	1.082
c- Max. digging depth		617	686
d- Max. digging height		1.130	1.177
e- Max. dumping clearance		820	868
f- Min. dumping clearance		106	036
g- Max. vertical wall digging depth		430	492
h- Min. swing radius		341	299
i- Horizontal digging stroke at ground level		615	746
j- Digging depth for 2.4 m (8') flat bottom		606	676
Bucket capacity ISO heaped m ³		1.20	













Digging force (ISO 6015)















Unit: kN

Arm length		Short	Standard
Arm length		2.40 m	3.10 m
		2.40 m	3.10 m
Bucket digging force		189 / 208*	189 / 208*
Arm crowding force		158 / 174*	126 / 139*

*Power Boost engaged.



SK380SRLC		2 Piece Boom Arm: 2.40 m Bucket: without Counterweight: 9,000 kg Shoe: 600mm (Heavy Lift)												
<div><div>A</div><div>B</div></div>		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		At Max. Reach		Radius
														
9.0m	kg					*11,430	*11,430					*9,190	*9,190	5.15 m
7.5m	kg					*11,020	*11,020	*9,830	8,510			*7,800	6,780	6.80 m
6.0m	kg					*12,150	*12,150	*10,130	8,320	*9,090	5,730	*7,280	5,310	7.81 m
4.5m	kg			*14,910	*14,910	*14,450	12,150	*11,040	7,870	9,260	5,580	*7,130	4,580	8.43 m
3.0m	kg			*22,210	*22,210	*16,060	11,280	*12,080	7,350	8,990	5,340	7,090	4,220	8.74 m
1.5m	kg			*27,900	21,720	*17,630	10,600	12,220	6,940	8,750	5,120	6,950	4,110	8.78 m
G.L.	kg	*26,800	*26,800	*26,870	21,160	*13,930	10,140	11,980	6,730	8,610	5,000	7,180	4,220	8.54 m
-1.5m	kg					*14,710	10,230	*11,590	6,710	8,610	5,000	*7,800	4,630	8.02 m
-3.0m	kg					*11,860	10,490	*9,420	6,880			*6,990	5,550	7.13 m
-4.5m	kg			*19,290	*19,290							*4,880	*4,880	5.69 m

SK380SRLC		2 Piece Boom Arm: 3.10 m Bucket: without Counterweight: 9,000 kg Shoe: 600mm (Heavy Lift)														
<div>A</div> <div>B</div>		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		At Max. Reach		Radius
																
9.0m	kg							*6,130	*6,130					*4,890	*4,890	6.21 m
7.5m	kg							*8,440	*8,440	*5,260	*5,260			*4,300	*4,300	7.63 m
6.0m	kg					*9,280	*9,280	*9,250	8,490	*8,310	5,840			*4,050	*4,050	8.54 m
4.5m	kg			*15,860	*15,860	*13,010	12,620	*10,240	8,030	*8,740	5,630	*5,020	4,120	*3,980	*3,980	9.11 m
3.0m	kg			*24,000	22,660	*15,670	11,310	*11,430	7,460	9,020	5,350	6,770	4,020	*4,040	3,730	9.39 m
1.5m	kg			*27,940	20,830	*16,980	10,380	12,270	6,970	8,730	5,090	6,640	3,890	*4,250	3,630	9.43 m
G.L.	kg			*24,510	20,530	*16,740	10,020	11,920	6,660	8,520	4,910	6,560	3,820	*4,620	3,700	9.21 m
-1.5m	kg			*10,560	*10,560	*15,830	9,990	11,800	6,560	8,450	4,840			*5,280	3,990	8.73 m
-3.0m	kg					*13,490	10,170	*10,470	6,640	*7,790	4,930			*6,500	4,630	7.92 m
-4.5m	kg	*25,510	*25,510	*24,300	21,970	*14,930	10,830	*8,950	7,020					*5,650	*5,650	6.67 m