

# SPECIFICATIONS



## ENGINE

<b>Model:</b>	Mitsubishi 6D34-TLE2A
<b>Type:</b>	Direct injection, water-cooled, 4-cycle diesel engine with turbocharger, intercooler (Comply with Tier II Regulation: Europe)
<b>No. of cylinders:</b>	6
<b>Bore and stroke:</b>	104 mm × 115 mm
<b>Displacement:</b>	5,861 cc
<b>Rated power output:</b>	150 PS (148 HP) NET at 2,000 min <sup>-1</sup> (rpm) (SAE J1349) 110 kW NET at 2,000 min <sup>-1</sup> (rpm) (ISO 9249)
<b>Max. torque:</b>	59.0 kg·m NET at 1,500 min <sup>-1</sup> (rpm) (SAE J1349) 580 N·m NET at 1,500 min <sup>-1</sup> (rpm) (ISO 9249)



## HYDRAULIC SYSTEM

<b>Pump:</b>	Two variable displacement pumps + 1 gear pump
<b>Max. discharge flow:</b>	2 × 210 liter/min
<b>Max. discharge pressure</b>	
<b>Boom, arm and bucket:</b>	34.3 MPa (350 kgf/cm <sup>2</sup> )
<b>Power Boost:</b>	37.8 MPa (385 kgf/cm <sup>2</sup> )
<b>Travel circuit:</b>	34.3 MPa (350 kgf/cm <sup>2</sup> )
<b>Swing circuit:</b>	27.9 MPa (285 kgf/cm <sup>2</sup> )
<b>Control circuit:</b>	5.0 MPa (50 kgf/cm <sup>2</sup> )
<b>Pilot control pump:</b>	Gear type
<b>Main control valves:</b>	6-spool
<b>Oil cooler:</b>	Finned tube, forced ventilation



## CAB & CONTROL

All-weather, sound-suppressed steel cab is mounted on the silicon-sealed viscous mounts and equipped with a heavy, insulated floor mat. Large, tinted safety-glass windows, with pull-type upper front window and removable lower front window. Four-way adjustable dual-slide seat, electric rotary-type engine throttle, safety-lock lever, and easy-to-read multi-display monitor. Ventilated, pressurized climate control system that brings fresh air into cab. Intermittent windshield wiper with two-jet washer, skylight, ashtray, cigarette lighter, cab light (interior), coat hook, and utility box.



## ATTACHMENTS

Backhoe bucket and arm combination

Use		Backhoe bucket							Slope finishing bucket	
		Normal digging			Light-duty		Heavy digging			
Bucket capacity	m <sup>3</sup>	0.51	0.70	0.80	0.93	1.05	1.30	0.80	—	
Bucket capacity (CECE heaped)	m <sup>3</sup>	0.45	0.61	0.70	0.80	0.90	1.10	0.70	—	
Opening width or X-section	With side cutters	mm	870	1,080	1,160	1,330	1,460	—	1,150	—
	Without side cutters	mm	770	980	1,060	1,230	1,360	1,630	1,060	2,200 × 1,100
No. of bucket teeth		3	5	5	5	6	6	4	—	
Combinations	2.40 m arm		○	○	○	○	△	△	○	△
	2.94 m arm		○	○	○	△	×	×	○	△
	3.50 m arm		○	○	△	×	×	×	×	△

○ Recommended △ Loading only × Not recommended



## TRAVEL SYSTEM

<b>Travel motors:</b>	Independent, axial-piston, two-step motors
<b>Brakes:</b>	Hydraulic disc brakes
<b>Track shoes:</b>	46 each side (SK210) 49 each side (SK210LC)
<b>Travel speed:</b>	6.0/4.0 km/h
<b>Drawbar pulling force:</b>	199 kN (20,300 kgf)-SAE J1309 MAY91
<b>Gradeability:</b>	35° (70 %)
<b>Ground clearance:</b>	450 mm



## SWING SYSTEM

<b>Brake:</b>	Hydraulic; locking automatically when the swing control lever is in the neutral position
<b>Parking brake:</b>	Hydraulic disc brake
<b>Swing speed:</b>	11.0 rpm
<b>Tail swing radius:</b>	2,750 mm
<b>Min. front swing radius:</b>	3,560 mm



## BOOM, ARM AND BUCKET

<b>Boom cylinders :</b>	125 mm × 1,240 mm
<b>Arm cylinder:</b>	135 mm × 1,490 mm
<b>Bucket cylinder:</b>	120 mm × 1,080 mm



## REFILLING CAPACITIES AND LUBRICATIONS

<b>Fuel tank:</b>	340 liter
<b>Cooling system:</b>	19 liter
<b>Engine oil:</b>	24 liter
<b>Travel reduction gear:</b>	2 × 5.5 liter
<b>Swing reduction gear:</b>	7.5 liter
<b>Hydraulic oil tank:</b>	156 liter
<b>Hydraulic system:</b>	246 liter



## WORKING RANGES

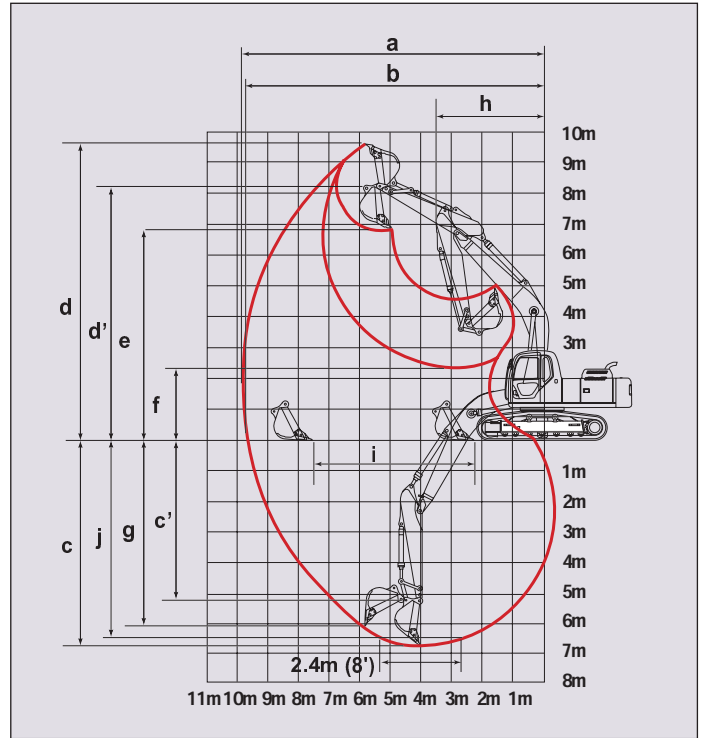
Range	Arm	Short 2.40 m	Standard 2.94 m	Long 3.5 m
a- Max. digging reach		9.42	9.90	10.30
b- Max. digging reach at ground level		9.25	9.75	10.15
c- Max. digging depth		6.16	6.70	7.26
c'- Max. depth of bucket hinge pin		4.72	5.26	5.82
d- Max. digging height		9.38	9.60	9.52
d'- Max. height of bucket hinge pin		8.00	8.23	8.20
e- Max. dumping clearance		6.56	6.79	6.76
f- Min. dumping clearance		2.87	2.33	1.77
g- Max. vertical wall digging depth		5.50	6.04	6.33
h- Min. swing radius		3.55	3.56	3.56
i- Horizontal digging stroke at ground level		4.08	5.27	6.02
j- Digging depth for 2.4 m (8') flat bottom		5.96	6.53	7.08
Bucket capacity SAE heaped m <sup>3</sup>		0.93	0.80	0.70

### Digging Force

Unit: kN (kgf)

Arm length	Short 2.40 m	Standard 2.94 m	Long 3.5 m
Bucket digging force	143 (14,600) 157 (16,000)*	143 (14,600) 157 (16,000)*	143 (14,600)
Arm crowding force	116 (11,800) 127 (12,900)*	97.1 (9,900) 107 (10,900)*	85.9 (8,760)

\*Power Boost engaged.

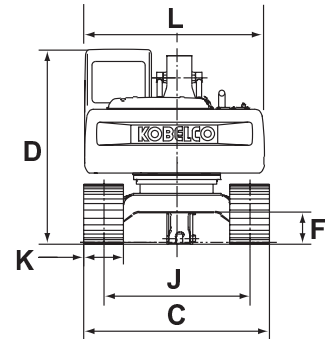
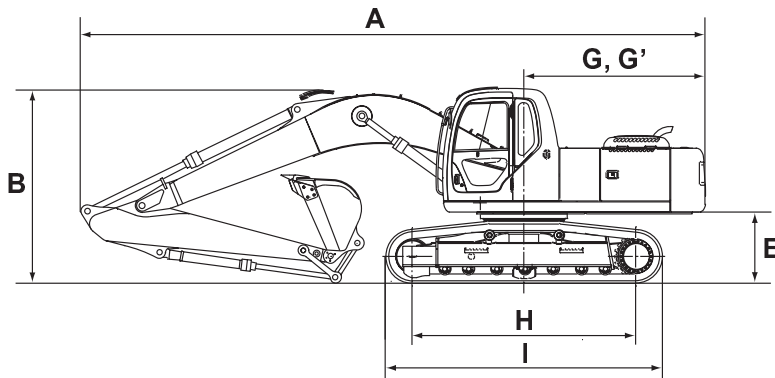


## DIMENSIONS

Arm length	Short 2.40 m	Standard 2.94 m	Long 3.5 m
A Overall length	9,480	9,410	9,470
B Overall height (to top of boom)	3,110	2,930	3,170
C Overall width	SK210	2,800	2,800
	SK21QLC	2,990	2,990
D Overall height (to top of cab)	2,930	2,930	2,930
E Ground clearance of rear end*	1,060	1,060	1,060
F Ground clearance*	450	450	450
G Tail swing radius	2,750	2,750	2,750

		Unit: mm		
G'	Distance from center of swing to rear end	2,730	2,730	2,730
H	Tumbler distance	SK210	3,370	3,370
		SK21QLC	3,660	3,660
I	Overall length of crawler	SK210	4,170	4,170
		SK21QLC	4,450	4,450
J	Track gauge	SK210	2,200	2,200
		SK21QLC	2,390	2,390
K	Shoe width	600/700/800		
L	Overall width of upperstructure	2,710	2,710	2,710

\* Without including height of shoe lug.



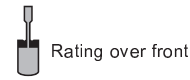
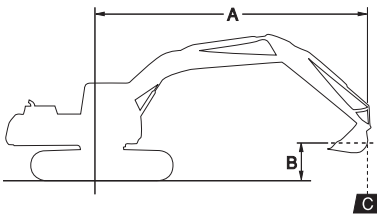
## OPERATING WEIGHT AND GROUND PRESSURE

In standard trim, with standard boom, 2.94 m arm, and 0.8 m<sup>3</sup> SAE heaped bucket

Shaped	mm	Triple grouser shoes (even height)			
		600	700	800	
Overall width	mm	SK210	2,800	2,900	3,000
		SK21QLC	2,990	3,090	3,190
Ground pressure	kPa (kgf/cm <sup>2</sup> )	SK210	45 (0.46)	39 (0.40)	35 (0.35)
		SK21QLC	42 (0.43)	37 (0.38)	33 (0.33)
Operating weight	kg	SK210	20,000	20,400	20,700
		SK21QLC	20,400	20,800	21,100

# SK 210SK 210C MARK-VI SUPER

## LIFTING CAPACITIES













- A - Reach from swing centerline to bucket hook
- B - Bucket hook height above/below ground
- C - Lifting capacities in kilograms
- Max. discharge pressure: 37.8 MPa (385 kg/cm<sup>2</sup>)











		SK210 Standard Arm: 2.94 m Bucket: 0.80 m <sup>3</sup> SAE heaped 650 kg Shoe: 600 mm									
B \ A		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m	
4.5 m	kg										
3.0 m	kg			*11,390	*11,390	*7,320	6,410	*4,920	4,300	*4,200	2,900
1.5 m	kg			*6,660	*6,660	*9,110	5,870	6,090	3,800	4,260	2,660
G. L.	kg			*7,180	*7,180	9,350	5,530	5,870	3,600	4,140	2,550
-1.5 m	kg	*6,240	*6,240	*10,050	*10,050	9,200	5,410	5,760	3,510	4,090	2,500
-3.0 m	kg	*9,550	*9,550	*14,290	10,660	9,230	5,430	5,770	3,510		
-4.5 m	kg			*11,610	10,980	*8,170	5,590				











		SK210 Standard Arm: 2.94 m Bucket: 0.80 m <sup>3</sup> SAE heaped 650 kg Shoe: 800 mm									
B \ A		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m	
4.5 m	kg							*4,920	4,430	*4,200	3,000
3.0 m	kg			*11,390	*11,390	*7,320	6,590	*5,770	4,180	4,540	2,880
1.5 m	kg			*6,660	*6,660	*9,110	6,050	6,280	3,920	4,400	2,750
G. L.	kg			*7,180	*7,180	9,660	5,710	6,070	3,730	4,290	2,650
-1.5 m	kg	*6,240	*6,240	*10,050	*10,050	9,510	5,590	5,960	3,630	4,240	2,600
-3.0 m	kg	*9,550	*9,550	*14,290	10,990	9,530	5,610	5,960	3,630		
-4.5 m	kg			*11,610	11,310	*8,170	5,770				











		SK210 Long Arm: 3.50 m Bucket: 0.68 m <sup>3</sup> (SAE heaped) 630 kg Shoe: 600 mm									
B \ A		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m	
6.0 m	kg									*3,300	3,010
4.5 m	kg							*5,010	4,360	4,560	2,930
3.0 m	kg					*7,370	6,530	*6,000	4,090	4,410	2,790
1.5 m	kg			*11,860	11,180	*9,550	5,930	6,100	3,800	4,250	2,640
G. L.	kg	*3,920	*3,920	*9,320	*9,320	9,340	5,510	5,850	3,570	4,110	2,510
-1.5 m	kg	*6,810	*6,810	*11,320	10,330	9,120	5,320	5,700	3,440	4,030	2,440
-3.0 m	kg	*9,860	*9,860	*14,930	10,410	9,090	5,300	5,660	3,410		
-4.5 m	kg	*13,520	*13,520	*14,380	10,670	9,230	5,420	5,760	3,500		

		SK210 Long Arm: 3.50 m Bucket: 0.68 m <sup>3</sup> (SAE heaped) 630 kg Shoe: 800 mm									
B \ A		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m	
6.0 m	kg									*3,300	3,100
4.5 m	kg							*5,010	4,480	*4,570	3,020
3.0 m	kg					*7,370	6,710	*6,000	4,220	4,560	2,890
1.5 m	kg			*11,860	11,510	*9,550	6,110	6,310	3,930	4,400	2,740
G. L.	kg	*3,920	*3,920	*9,320	*9,320	9,660	5,690	6,050	3,700	4,260	2,610
-1.5 m	kg	*6,810	*6,810	*11,320	10,660	9,430	5,500	5,900	3,560	4,180	2,530
-3.0 m	kg	*9,860	*9,860	*14,930	10,740	9,410	5,480	5,870	3,530		
-4.5 m	kg	*13,520	*13,520	*14,380	11,000	9,540	5,600	5,970	3,620		

		SK21QLC Standard Arm: 2.94m Bucket: 0.80m <sup>3</sup> SAE heaped 650kg Shoe: 600mm									
A \ B		1.5m		3.0m		4.5m		6.0m		7.5m	
											
4.5m	kg							*4 920	4 790	*4 200	3 250
3.0m	kg			*11,390	*11,390	*7,320	7,180	*5 770	4 540	4 990	3 130
1.5m	kg			*6 660	*6 660	*9 110	6 630	*6 660	4 270	4 850	3 000
G. L.	kg			*7,180	*7,180	*10,210	6 280	6 730	4 080	4 730	2 890
-1.5m	kg	*6 240	*6 240	*10 050	*10 050	*10 440	6 150	6 610	3 980	4 680	2 840
-3.0m	kg	*9 550	*9 550	*14 290	12,360	*9 840	6 180	6 620	3 980		
-4.5m	kg			*11,610	*11,610	*8 170	6 350				

		SK21QLC Standard Arm: 2.94m Bucket: 0.80m <sup>3</sup> SAE heaped 650kg Shoe: 800mm									
A \ B		1.5m		3.0m		4.5m		6.0m		7.5m	
											
4.5m	kg							*4 920	*4 920	*4 200	3 360
3.0m	kg			*11,390	*11,390	*7,320	*7,320	*5 770	4 680	*5 000	3 240
1.5m	kg			*6 660	*6 660	*9 110	6 840	*6 660	4 420	5 020	3 110
G. L.	kg			*7,180	*7,180	*10,210	6 500	6 960	4 220	4 900	3 010
-1.5m	kg	*6 240	*6 240	*10 050	*10 050	*10 440	6 370	6 850	4 120	4 850	2 960
-3.0m	kg	*9 550	*9 550	*14 290	12,760	*9 840	6 390	6 850	4 130		
-4.5m	kg			*11,610	*11,610	*8 170	6 560				

		SK21QLC Long Arm: 3.50m Bucket: 0.68m <sup>3</sup> (SAE heaped) 630kg Shoe: 600mm									
A \ B		1.5m		3.0m		4.5m		6.0m		7.5m	
											
6.0m	kg									*3 300	*3 300
4.5m	kg							*5 010	4 850	*4 570	3 280
3.0m	kg					*7,370	7,310	*6 000	4 570	5 010	3 140
1.5m	kg			*11,860	*11,860	*9 550	6 690	6 970	4 280	4 840	2 990
G. L.	kg	*3 920	*3 920	*9 320	*9 320	10 870	6 270	6 700	4 050	4 700	2 860
-1.5m	kg	*6 810	*6 810	*11,320	*11,320	10 630	6 070	6 550	3 910	4 610	2 780
-3.0m	kg	*9 860	*9 860	*14 930	12,100	10 600	6 040	6 510	3 880		
-4.5m	kg	*13 520	*13 520	*14 380	12,370	*9 940	6 160	6 620	3 970		

		SK21QLC Long Arm: 3.50m Bucket: 0.68m <sup>3</sup> (SAE heaped) 630kg Shoe: 800mm									
A \ B		1.5m		3.0m		4.5m		6.0m		7.5m	
											
6.0m	kg									*3 300	*3 300
4.5m	kg							*5 010	5 000	*4 570	3 390
3.0m	kg					*7,370	*7,370	*6 000	4 720	5 190	3 250
1.5m	kg			*11,860	*11,860	*9 550	6 910	*7,090	4 430	5 020	3 100
G. L.	kg	*3 920	*3 920	*9 320	*9 320	*11,070	6 480	6 950	4 190	4 880	2 970
-1.5m	kg	*6 810	*6 810	*11,320	*11,320	11,010	6 280	6 790	4 060	4 790	2 890
-3.0m	kg	*9 860	*9 860	*14 930	12,500	10 980	6 260	6 760	4 030		
-4.5m	kg	*13 520	*13 520	*14 380	12 780	*9 940	6 380	6 860	4 120		

**Notes:**

- Do not attempt to lift or hold any load that exceeds these rated values at their specified load radii and heights.
- Lifting capacities assume a machine standing on a level, firm, and uniform supporting surface. Operator must make allowance for job conditions such as soft or uneven ground, out of level conditions, side loads, sudden stopping of loads, hazardous conditions, inexperienced personnel, weight of various other buckets, lifting slings, attachments, etc.
- Ratings at bucket lift hook.

- The above rated loads are in compliance with SAE Hydraulic Lift Capacity Rating Standard J 1097. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Rated loads marked with an asterisk(\*) are limited by hydraulic capacity rather than tipping load.
- Operator should be fully acquainted with the operators' manual before operating this machine. Rules for safe operation of equipment should be followed at all times.
- Capacities apply only to the machine as originally manufactured and normally equipped by KOBELCO Construction Machinery Co., Ltd.