

KOBEL



SK 85MSR

SK 95MSR

- Bucket capacity:
- 0.11 0.35 m³
- Engine power:
- 53.7 kW/2,100 min⁻¹
- Operating weight:
- 8,400 9,600 kg

KOBELCO





SK85MSR of KOBELCO has realised a completely new value by harmonising PERFORMANCE – greater efficiency and productivity with an increased power and speed and DESIGN – operator-based operability and comfort, refusing to accept any compromises.

In pursuit of unique and matchless machines which are unforgettable once you use them, KOBELCO will continue to rise to meet every challenge.

THE ULTIMATE IN SIMPLE AND ELEGANT DESIGN

Our pursuit of functional beauty and aesthetic sense produced a new interior design.

Jog dial

This jog dial integrates multiple functions to realise simple operations. Even with gloved hands, the operator can set various machine conditions without stress.

LED backlights

The switches and dials have LED backlights – they provide a bright, clear view in the dark and set a luxurious mood.





UNFORGETTABLE COMFORT

Air suspension seat

A GRAMMER seat is installed as standard equipment, which achieves excellent shock absorption and superior ride comfort.

② Air conditioner blowing from the rear

Air is blown against the operator's waist and the back of their head, offering more comfortable operation.

3 Lever angles allow for comfortable operations

The operator can move the levers horizontally without twisting their wrist, which reduces the fatigue caused by the operations.



4 LED door light

The LED interior light automatically turns on when the door is opened or when the ignition is set to OFF. This ensures easy entry and exit at nighttime.

5 Parallel wipers secure a wide field of view





KOBELCO



D4 33











CLOCK SETTING



SCREEN BRIGHTNESS



MAINTENANCE



CONSUMPTION



START PASSWORD



LANGUAGE SELECTION



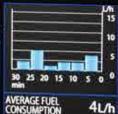












AVERAGE FUEL CONSUMPTION OPERABLE TIME 12 h





A WIDER VIEW BRINGS A WIDER RANGE OF USE

10-inch colour monitor (the largest in the industry)

The easy-to-operate menu screen facilitates reading of important information. Images from the built-in cameras can be checked on the large screen, which helps secure safety. In addition, each icon has become easy to recognise. A password is required when starting the engine for greater security.



The right camera and rear camera (right side view mode)



The right camera and rear camera (straight view mode)





Right and rear cameras

Images from the right camera and rear camera are displayed together on the large colour monitor. The right camera view can be selected between the straight view mode and right side view mode. In addition, the bird's-eye view mode can also be selected. As an optional setting, the eagle eye view mode can also be selected.





Screen display linked with the jog dial operation

The jog dial can be operated as desired without causing stress. Turn the jog dial to the right or left to select an item and press the dial to confirm the selection.



EXPERIENCING A COMPETENT PERFORMANCE

Our high-power engine complies with STAGE V emission regulations

Compared to previous models, the engine output is significantly increased, which thereby shortens the digging cycle time remarkably. It attains high performances without reducing the speed even when heavy a load is applied or when travelling on a slope.



Model:YANMAR 4TNV98CT

Engine output

Increased by 27.9%

(Compared to the SK85MSR-3E model)

>>> Digging cycle time Shortened by 15%

(Compared to the SK85MSR-3E model)

Loaded boom lifting speed

Increased by 38%

(Compared to the SK85MSR-3E model)

Arm digging speed

Increased by 37%

(Compared to the SK85MSR-3E model)





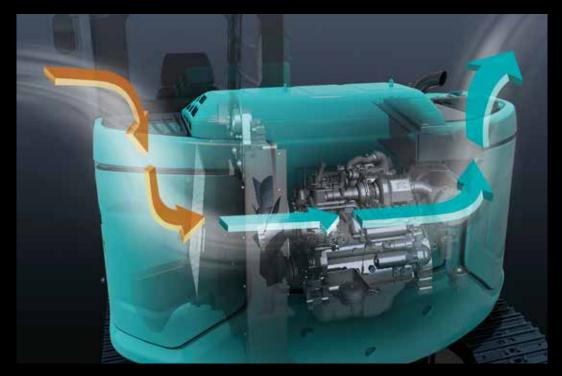


TYPES OF ATTACHMENT MODE

	TYPE	MODE	OBJECTIVE OF MODE		
	1	Bucket	Balance in operations such as levelling can be adjusted.		
CURRENT MODE	•	Breaker	Arm regeneration function considering front attachment weight is provided beforehand.		
	A	Nibbler (crusher)	Change of arm speed due to nibbler (crusher) opening/closing is reduced.		

	TYPE	MODE	OBJECTIVE OF MODE
	8	Rotating grapple	Swing operation on slope while raising attachment/ equipment becomes possible. Boom 2-speed systems is controlled by proportional valve.
NEWLY ADDED	Processor		N&B flow rate is set to maximum specifically. Regeneration of arm in operation while using front attachment is changed.
MODE	6	Thumb bucket	Swing operation while raising attachment/equipment and opening thumb bucket becomes possible.
		Tilt rotator	When combined operation with arm is performed, hydraulic interference is prevented.
		Spare mode for custom setting	This mode should be customized at each field. This is provided for front attachment other than those described above.

NON-STOP OPERATION BY INDr





iNDr Filter

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.



How the filter catches dust



Maintainable on the ground

Portions that require daily maintenance, such as lubrication, have been laid out in easily accessible locations.



Easily removable bonnet

The bonnet can be detached by removing only the bolts, allowing easy access to the inside.

CONVENIENT AND SENSIBLE EQUIPMENT



Engine start password

A password is required when starting the engine for greater security. The initial password must be set at our workshop.



Wiper adjustment function

In addition to the intermittent wiper mode and continuous wiper mode, the one-time wiper mode was added.



Parallel wipers/Roll sun shade



Console mount

The console-integrated seat allows for comfortable operation.



AM/FM Bluetooth® (hands-free) radio



USB port/12 V power outlet



Smartphone holder

You can use the holder with your smartphone connected to the USB port.



Built-in rear camera/right camera







Increased clearance between the upper body and the shoes



Remote control fuel drain cock



Engine oil drain cock





Direct Access to Operational Status

Location Data

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







Work data Latest location Location records

Operating Hours

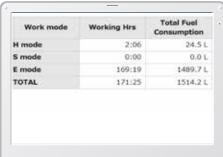
- A comparison of operating times of machines at multiple locations shows which locations are busier and more profitable.
- Operating hours on site can be accurately recorded, for running time calculations needed for rental machines, etc.

Period 11 Apr, 2015 to 10 May, 2015 Display Gross 0 Auto 4 h 12.0 24 h 5 00 Date / Time 5 6 7 8 9 10 14 select 11 Apr (Sat) 12 Apr (Sun) 13 Apr (Moo) 14 Apr (Tue)

Daily report

Fuel Consumption Data

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



Fuel consumption

Graph of Work Content

The graph shows how working hours are divided among different operating categories, including digging, idling, travelling and optional operations.



Work status

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.



Maintenance

Warning Alerts

This system warns an alert if an anomaly is sensed, preventing damage that could result in machine downtime.

Alarm Information Can Be Received through E-mail

Alarm information or maintenance notice can be received through E-mail, using a computer or cell phone.



Alarm messages can be received on mobile device

Daily/Monthly Reports

Operational data downloaded onto a computer helps in formulating daily and monthly reports.

Security System

Engine Start Alarm

The system can be set an alarm if the machine is operated outside designated time.



Engine start alarm outside prescribed work time

Area Alarm

It can be set an alarm if the machine is moved out of its designated area to another location.



Alarm for outside of reset area

Specifications



Model	YANMAR 4TNV98CT			
Туре	Four-stroke, liquid-cooled, direct injection diesel, turbo charged complies with EU Stage V exhaust emission regulation			
No. of cylinders	4			
Bore and stroke	98 mm x 110 mm			
Displacement	3.318 L			
Rated power output	52.3 kW/2,100 min ⁻¹ (ISO 9249: with fan)			
nated power output	53.7 kW/2,100 min ⁻¹ (ISO 14396: without fan)			
Max. torque	293 N·m/1,365 min ⁻¹ (ISO 9249: with fan)			
ivian. torque	296 N·m/1,365 min ⁻¹ (ISO 14396: without fan)			



Hydraulic system

Pump	
Туре	Variable displacement piston pumps + one gear pump
Max. discharge flow	2 x 72.5 L/min 1 x 19 L/min
Relief valve setting	
Boom, arm and bucket	29.4 Mpa {300 kgf/cm ² }
Travel circuit	29.4 Mpa {300 kgf/cm ² }
Swing circuit	24.5 Mpa {250 kgf/cm²}
Control circuit	5.0 Mpa {50 kgf/cm²}
Pilot control pump	Gear type
Main control valves	13-spool
Oil cooler	Air cooled type



Swing system

Swing motor	One fixed displacement piston motor		
Brake	Hydraulic; locking automatically when the swing control lever is in the neutral position		
Parking brake	Wet multiple plate		
Swing speed	11.5 min ⁻¹		
Tail swing radius	1,650 mm		
Swing torque	17 kN·m		



Backhoe bucket and combination

	Travel	system
V	iravei	system

Travel motors	Variable displacement piston, two-speed motors			
Travel brakes	Hydraulic brake			
Parking brakes	Wet multiple plate			
Travel shoes	39 each side			
Travel speed	5.0/2.7 km/h			
Drawbar pulling force	77 kN (ISO 7464)			
Gradeability	58% {30°}			



2 Cab & control

All-weather, sound-suppressed steel cab mounted on the silicon-sealed viscous mounts and equipped with a heavy, insulated floor mat

Two hand levers and two foot pedals for travel Two hand levers for excavating and swing Electric rotary-type engine throttle

Noise levels	
External	98 dB(A)
Operator	73 dB(A)



Boom, arm & bucket

Boom cylinders	110 mm x 916 mm		
Arm cylinder	95 mm x 839 mm		
Bucket cylinder	85 mm x 762 mm		



Dozer blade

Dozer cylinder	145 mm x 189 mm		
Dimension	2,300 mm {for 450 mm shoe} (width) x 460 mm (height)*		
Working range	500 mm (up) x 500 mm (down)		

^{*}Dozer width is changed according to the shoe width difference.



Refilling capacities & lubrications

Fuel tank	120 L		
Cooling system	12.8 L		
Engine oil	11.8 L		
Travel reduction gear	2 x 1.3 L		
Swing reduction gear	1.5 L		
Hudraulic oil tank	44 L tank oil level		
Hydraulic oil tank	84 L hydraulic system		

Use -		Backhoe bucket						
		Standard	Narrow				Wide	
Pucket capacity	ISO heaped	m³	0.28	0.11	0.14	0.18	0.22	0.35
Bucket capacity	Struck	m³	0.25	0.09	0.12	0.14	0.18	0.26
Opening width	With side cutter	mm	650	_	480	550	650	850
Opening width	Without side cutter	mm	680	400	410	480	580	780
No. of teeth		4	3	3	3	4	4	
Bucket weight kg		210	190	160	170	190	_	
Combination	1.87 m arm		0	0	0	0	0	Δ
Combination	2.13 m arm		Δ	0	0	0	0	_





Working ranges

		Unit: m				
Boom	3.50 m					
Range Arm	1.87 m	2.13 m				
a - Max. digging reach	7.24	7.50				
b - Max. digging reach at ground level	7.07	7.34				
c - Max. digging depth	4.18	4.44				
d - Max. digging height	7.01	7.23				
e - Max. dumping clearance	4.98	5.18				
f - Min. dumping clearance	1.95	1.70				
g - Max. vertical wall digging depth	3.42	3.75				
h - Min. swing radius	2.70	2.80				
i - Horizontal digging stroke at ground level	3.11	3.51				
j - Digging depth for 2.4 m (8') flat bottom	3.82	4.12				
Bucket capacity ISO heaped m ³	0.28	0.22				

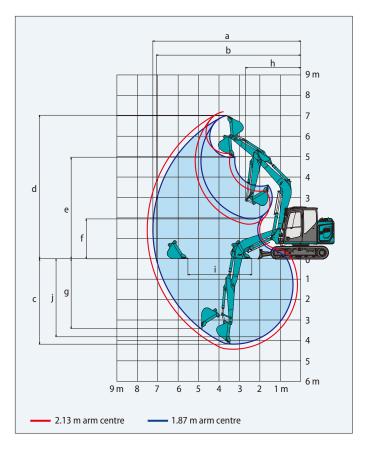
Dimensions

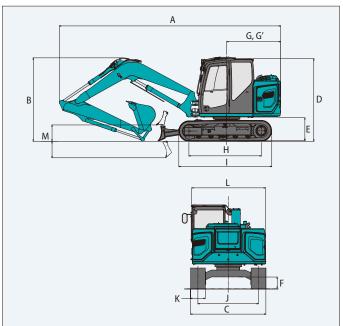
			Unit: mm				
В	oom	3.50 m					
Aı	rm length	1.87 m	2.13 m				
Α	Overall length	6,730	6,750				
В	Overall height (to top of boom)	2,400	2,550				
C	Overall width (narrow specification)	2,300*	* (2,150)				
D	Overall height (to top of cab)	2,5	70				
Ε	Ground clearance of rear end*	720					
F	Ground clearance*	350					
G	Tail swing radius (add on counter weight)	1,650 (1,740)				
G'	Distance from centre of swing to rear end	1,6	50				
Н	Tumbler distance	2,2	10				
1	Overall length of crawler	2,8	30				
J	Track gauge (narrow specification)	1,850 (1,700)				
K	Shoe width	45	50				
L	Overall width of upperstructure	2,3	00				
М	Dozer blade (up/down)	500(29	°)/500				

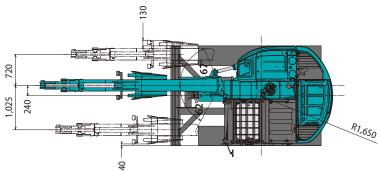
*Without including height of shoe lug **450 mm shoe

Digging force (ISO 6015)

		Unit: kiv {kgi}
Arm length	1.87 m	2.13 m
Bucket digging force	60.3 {	6,150}
Arm crowding force	37.1 {3,780}	33.7 {3,440}







Operating weight & ground pressure In standard trim, with standard boom, 2.13 m arm, and 0.22 m³ ISO heaped bucket.

		· · · · · · · · · · · · · · · · · · ·								
Shaped		Triple grouser sh	Triple grouser shoes (even height) Rubber pad shoes Rubber shoes BS Ge							
Shoe width	mm	600	450							
Overall width of crawler	mm	2,450		2,3	300					
Ground pressure	kPa	30	39	40	38	39				
Operating weight	kg	8,850	8,600	8,930	8,480	8,650				

Specifications

Two piece boom specifications



Working ranges

		Unit: m
Boom	Two pie	ce boom
Range Arm	1.87 m	2.13 m
a- Max. digging reach	7.75	8.01
b-Max. digging reach at ground level	7.59	7.86
c- Max. digging depth	4.31	4.57
d-Max. digging height	7.92	8.16
e- Max. dumping clearance	5.84	6.09
f- Min. dumping clearance	1.09	0.825
g-Max. vertical wall digging depth	3.73	4.00
h-Min. swing radius	2.53	2.65
i- Horizontal digging stroke at ground level	4.48	5.00
j- Digging depth for 2.4 m (8') flat bottom	4.16	4.43
Bucket capacity ISO heaped m ³	0.28	0.22

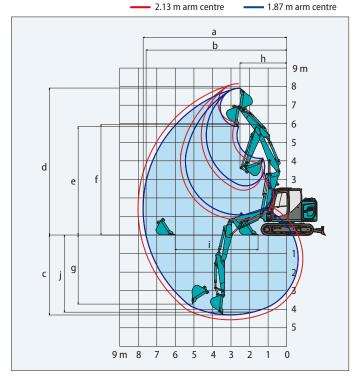
Digging force (ISO 6015)

		Offic. Ki
Arm length	1.87 m	2.13 m
Bucket digging force	60	0.3
Arm crowding force	37.1	33.7

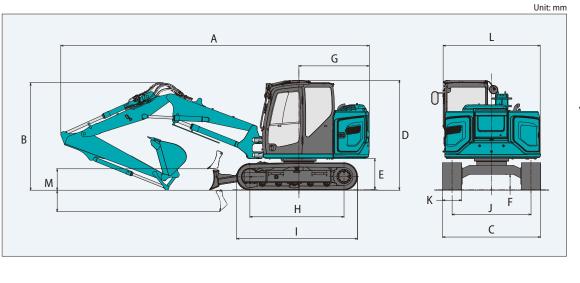
Dimensions

	_		Unit: mm				
В	oom	Two piece boom					
Ai	rm length	1.87 m	2.13 m				
Α	Overall length	7,220	7,230				
В	Overall height (to top of boom)	2,400	2,530				
C	Overall width of crawler (narrow specification)	2,300 (2,150)					
D	Overall height (to top of cab)	2,5	570				
Ε	Ground clearance of rear end*	720					
F	Ground clearance*	350					
G	Tail swing radius	1,6	550				

*Without including height of shoe lug



Н	Tumbler distance	2,210
-1	Overall length of crawler	2,830
J	Track gauge (narrow specification)	1,850 (1,700)
K	Shoe width	450
L	Overall width of upperstructure	2,300
М	Dozer blade (up/down)	500(29°)/500



1,025 715

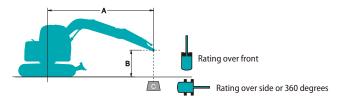
Operating weight & ground pressure

In standard trim, with standard boom, 2.13 m arm, and 0.22 m³ ISO bucket.

Shaped		Triple grou (even h	user shoes neight)	Rubber pad shoes	Rubber shoes	BS Geogrip shoes				
Shoe width	mm	600		450						
Overall width of crawler	mm	2,450			2,300					
Ground pressure	kPa	31	40	41	40	40				
Operating weight	kg	9,180	8,930	9,250	8,800	8,970				

Lifting capacities





A: Reach from swing centreline to arm top B: Arm top height above/below ground C: Lifting capacities in Kilograms Bucket: Without bucket Relief valve setting: 29.4 MPa {300 kgf/cm²}

Mono boom specifications

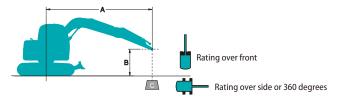
SK85MSR	SK85MSR Arm: 1.87 m Bucket: Withou			out Counter	weight: 700 kg	Shoe: 450 m	Shoe: 450 mm Dozer: Blade up					
		1.5	m	3.0) m	4.5	m	6.0	m	At max	At max. reach	
В						Ī		1				Radius
6.0 m	kg									*1,830	*1,830	3.45 m
4.5 m	kg					1,910	1,650			*1,420	1,290	5.19 m
3.0 m	kg			*3,280	*3,000	1,830	1,580			1,160	1,000	5.96 m
1.5 m	kg					1,700	1,460	1,110	960	1,050	910	6.19 m
G.L.	kg			2,970	2,440	1,610	1,370			1,080	930	5.99 m
-1.5 m	kg	*3,950	*3,950	3,000	2,470	1,600	1,360			1,290	1,100	5.26 m
-3.0 m	kg			*2,280	*2,280					*1,750	*1,750	3.63 m

SK85MSR		Arm: 2.13 m	Bucket: With	out Counter	weight: 700 kg	Shoe: 450 m	m Dozer: Bla	de up				
		1.5	m	3.0	m	4.5	4.5 m		m	At max	. reach	
В		1		1		1		1				Radius
6.0 m	kg									*1,460	*1,460	3.97 m
4.5 m	kg					*1,860	1,670			*1,170	1,160	5.52 m
3.0 m	kg					1,840	1,590	1,140	990	1,070	930	6.23 m
1.5 m	kg					1,700	1,460	1,100	950	980	840	6.46 m
G.L.	kg			2,950	2,420	1,600	1,360	1,060	910	1,000	860	6.26 m
-1.5 m	kg	*3,420	*3,420	2,960	2,430	1,570	1,340			1,170	1,000	5.58 m
-3.0 m	kg			*2,860	2,530					*1,800	1,580	4.12 m

SK85MSR	SR Arm: 2.13 m Bucket: Without Counterweight: 700 kg + 300 kg Shoe: 450 mm Dozer: Blade up											
		1.5	m	3.0	m	4.5	m	6.0	m	At max	. reach	
В		1	-	1				1		1		Radius
6.0 m	kg									*1,460	*1,460	3.97 m
4.5 m	kg					*1,860	1,830			*1,170	*1,170	5.52 m
3.0 m	kg					2,030	1,760	1,270	1,110	*1,130	1,040	6.23 m
1.5 m	kg					1,890	1,630	1,230	1,070	1,090	950	6.46 m
G.L.	kg			3,300	2,710	1,790	1,530	1,190	1,030	1,120	970	6.26 m
-1.5 m	kg	*3,420	*3,420	3,300	2,720	1,760	1,500			1,310	1,130	5.58 m
-3.0 m	kg			*2,860	2,820					*1,800	1,770	4.12 m

SK85MSR		Arm: 2.13 m	Bucket: With	nout Counter	weight: 1,050 k	g Shoe: 450	mm Dozer: B	lade up				
		1.5	m	3.0 m		4.5 m		6.0	m	At max. reach		
В				1		1		1				Radius
6.0 m	kg									*1,460	*1,460	3.97 m
4.5 m	kg					*1,860	1,850			*1,170	*1,170	5.52 m
3.0 m	kg					2,040	1,770	1,280	1,120	*1,130	1,050	6.23 m
1.5 m	kg					1,900	1,640	1,240	1,080	1,100	960	6.46 m
G.L.	kg			3,320	2,730	1,800	1,540	1,200	1,040	1,130	980	6.26 m
-1.5 m	kg	*3,420	*3,420	3,330	2,740	1,770	1,520			1,320	1,140	5.58 m
-3.0 m	kg			*2,860	2,840					*1,800	1,780	4.12 m

Lifting capacities



A: Reach from swing centreline to arm top B: Arm top height above/below ground C: Lifting capacities in Kilograms Bucket: Without bucket Relief valve setting: 29.4 MPa {300 kgf/cm²}

Mono boom specifications

SK85MSR				out Counter	weight: 1,050 k	(g + 300 kg S	hoe: 450 mm	Dozer: Blade up					
		1.5	m	3.0 m		4.5 m		6.0	m	At max	. reach		
В												Radius	
6.0 m	kg									*1,830	*1,830	3.45 m	
4.5 m	kg					*2,030	2,000			*1,420	*1,420	5.19 m	
3.0 m	kg			*3,280	*3,280	2,220	1,930			*1,380	1,250	5.96 m	
1.5 m	kg					2,090	1,810	1,380	1,200	1,310	1,140	6.19 m	
G.L.	kg			3,680	3,050	2,000	1,720			1,350	1,170	5.99 m	
-1.5 m	kg	*3,950	*3,950	3,710	3,070	1,990	1,710			1,610	1,390	5.26 m	
-3.0 m	kg			*2,280	*2,280					*1,750	*1,750	3.63 m	

SK85MSR	SK85MSR Arm: 2.13 m Bucket			out Counter	weight: 1,050 k	g + 300 kg S	hoe: 450 mm	Dozer: Blade up					
		1.5	m	3.0 m		4.5 m		6.0	m	At max	. reach		
В				1				-				Radius	
6.0 m	kg									*1,460	*1,460	3.97 m	
4.5 m	kg					*1,860	*1,860			*1,170	*1,170	5.52 m	
3.0 m	kg					*2,170	1,940	1,410	1,240	*1,130	*1,130	6.23 m	
1.5 m	kg					2,090	1,810	1,370	1,190	*1,200	1,070	6.46 m	
G.L.	kg			3,660	3,030	1,990	1,710	1,330	1,160	1,250	1,090	6.26 m	
-1.5 m	kg	*3,420	*3,420	3,670	3,030	1,960	1,680			1,460	1,270	5.58 m	
-3.0 m	kg			*2,860	*2,860					*1,800	*1,800	4.12 m	

Two piece boom specifications

SK85MSR	SK85MSR Arm: 1.87 m Bucket: Witho			out Counter	weight: 700 kg	Shoe: 450 m	m Dozer: Bla	de up				
		1.5	m	3.0 m		4.5	m	6.0	m	At max	. reach	
В				1	=	F -		-			-	Radius
6.0 m	kg									1,890	1,620	4.41 m
4.5 m	kg					*1,720	1,590			1,150	990	5.81 m
3.0 m	kg			3,310	2,720	1,710	1,450	1,060	900	910	780	6.49 m
1.5 m	kg			2,850	2,300	1,520	1,280	990	840	830	700	6.70 m
G.L.	kg	*3,050	*3,050	2,080	2,080	1,420	1,180	950	790	840	710	6.52 m
-1.5 m	kg	*5,310	*5,310	2,710	2,180	1,410	1,170			980	820	5.87 m
-3.0 m	kg			*2,620	2,330					*760	*760	4.54 m

SK85MSR							ım Dozer: Bla	de up				
	A		1.5 m		3.0 m		4.5 m		6.0 m		. reach	
В		1		-		<u> </u>		-		1		Radius
6.0 m	kg					1,850	1,580			1,620	1,390	4.83 m
4.5 m	kg					1,870	1,610	1,070	910	1,050	890	6.12 m
3.0 m	kg			3,410	2,820	1,730	1,470	1,060	900	840	710	6.76 m
1.5 m	kg			2,840	2,290	1,530	1,280	990	830	770	650	6.97 m
G.L.	kg	*2,650	*2,650	*1,730	*1,730	1,400	1,160	930	780	780	650	6.79 m
-1.5 m	kg	*4,650	*4,650	2,640	2,120	1,380	1,140	910	750	890	750	6.18 m
-3.0 m	kg	*6,570	*6,570	2,840	2,290	*1,160	*1,160			*860	*860	4.95 m



Two piece boom specifications

SK85MSR	SK85MSR Arm: 2.13 m Bucket: Withou				Counterweight: 700 kg + 300 kg Shoe: 450 mm Dozer: Blade up								
		1.5 m		3.0 m		4.5 m		6.0 m		At max. reach			
В				<u> </u>		-		<u> </u>				Radius	
6.0 m	kg					2,040	1,750			*1,660	1,540	4.83 m	
4.5 m	kg					2,060	1,770	1,200	1,030	1,170	1,010	6.12 m	
3.0 m	kg			3,750	3,110	*1,590	*1,590	1,190	1,020	960	820	6.76 m	
1.5 m	kg			3,180	2,580	1,720	1,450	1,120	950	880	740	6.97 m	
G.L.	kg	*2,650	*2,650	*1,730	*1,730	1,590	1,330	1,060	900	890	750	6.79 m	
-1.5 m	kg	*4,650	*4,650	2,990	2,410	1,570	1,310	1,040	870	1,020	860	6.18 m	
-3.0 m	kg	*6,570	*6,570	3,190	2,590	*1,160	*1,160			*860	*860	4.95 m	

SK85MSR		Arm: 2.13 m	Bucket: With	out Counter	weight: 1,050 k	g Shoe: 450	mm Dozer: B	lade up				
		1.5 m		3.0 m		4.5	m	6.0 m		At max. reach		
В				-				-		1		Radius
6.0 m	kg					2,050	1,760			*1,660	1,550	4.83 m
4.5 m	kg					2,070	1,780	1,210	1,040	1,180	1,020	6.12 m
3.0 m	kg			3,780	3,130	*1,590	*1,590	1,200	1,030	960	820	6.76 m
1.5 m	kg			3,210	2,600	1,730	1,460	1,130	960	880	750	6.96 m
G.L.	kg	*2,650	*2,650	*1,730	*1,730	1,600	1,340	1,070	900	900	760	6.76 m
-1.5 m	kg	*4,650	*4,650	3,010	2,430	1,580	1,320	1,050	880	1,030	870	6.18 m
-3.0 m	kg	*6,570	*6,570	3,210	2,610	*1,160	*1,160			*860	*860	4.95 m

SK85MSR Arm: 1.87 m Bucket: Without Counterweight: 700 kg + 300 kg Shoe: 450 mm Dozer: Blade up												
		1.5 m		3.0	m	4.5 m		6.0 m		At max	. reach	
В		1	-	1		<u> </u>		1				Radius
6.0 m	kg									*2,000	1,800	4.41 m
4.5 m	kg					*1,720	*1,720			1,290	1,110	5.81 m
3.0 m	kg			3,650	3,010	1,900	1,620	1,190	1,020	1,030	890	6.49 m
1.5 m	kg			3,190	2,590	1,710	1,450	1,120	960	940	800	6.70 m
G.L.	kg	*3,050	*3,050	2,960	2,380	1,610	1,350	1,080	910	960	820	6.52 m
-1.5 m	kg	*5,310	*5,310	*3,030	2,470	1,600	1,340			1,110	950	5.87 m
-3.0 m	kg			*2,620	*2,620					*760	*760	4.54 m

SK85MSR		Arm: 1 97 m	Pucket: With	out Countari	woight: 1 050 k	ra Shoo: 150	mm Dozor: P	lado un				
ACIVICONC	Λ.	1.5 m		3.0 m		g Shoe: 450 mm Dozer: Bl 4.5 m		6.0 m		At may	c. reach	
	А	1.5	111	3.0111		4.5111		0.0		At IIIax	. reacii	
В		<u> </u>		<u> </u>		<u> </u>	—	<u> </u>		<u> </u>		Radius
6.0 m	kg									*2,000	1,810	4.41 m
4.5 m	kg					*1,720	*1,720			1,300	1,120	5.81 m
3.0 m	kg			3,680	3,030	1,910	1,630	1,200	1,030	1,040	890	6.49 m
1.5 m	kg			3,220	2,610	1,720	1,460	1,130	970	950	810	6.70 m
G.L.	kg	*3,050	*3,050	2,980	2,400	1,620	1,360	1,090	920	970	820	6.52 m
-1.5 m	kg	*5,310	*5,310	*3,030	2,490	1,610	1,350			1,120	950	5.87 m
-3.0 m	kg			*2,620	*2,620					*760	*760	4.54 m

Note:

- 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.



STANDARD EQUIPMENT

ENGINE

- Engine, YANMAR 4TNV98CT, Diesel engine with turbocharger and intercooler, EU Stage V compliant
- Auto Idle Stop
- Automatic engine deceleration
- Batteries (2 x 12 V 72 Ah)
- Starting motor (24 V 3.5 kW), 50 amp alternator
- Engine oil pan drain cock
- Double element air cleaner
- Refueling pump

CONTROL

- Working mode selector (H-mode, S-mode and ECO-mode)
- N&B piping (proportional hand controlled)
- Extra piping (proportional hand controlled)
- Object Handling Kit (boom and arm safety valves)

SWING SYSTEM & TRAVEL SYSTEM

- Swing rebound prevention system
- Straight propel system
- Two-speed travel with automatic shift down
- Sealed & lubricated track links
- 450 mm steel shoes
- Grease-type track adjusters
- Automatic swing brake
- Lower Frame Guard
- Dozer Blade

MIRRORS, LIGHTS & CAMERAS

- Rear view mirror, rear view camera and right side view camera
- Three front working lights (LED)

CAB & CONTROL

- Two control levers, pilot-operated
- Horn, electric
- Integrated left-right slide-type control box
- LED door light (interior)
- Coat hook
- Large cup holder
- Detachable two-piece floor mat
- GRAMMER air suspension seat with heater
- Retractable seatbelt
- Headrest
- Handrails
- Intermittent Parallel wiper with double-spray washer
- Skylight
- Openable top guard (ISO 10262: 1998)
- Tinted safety glass
- Pull-type front window and removable lower front window
- Easy-to-read 10-inch LCD SCREEN multi-display monitor
- Automatic air conditioner
- Emergency escape hammer
- Radio (AUX & Bluetooth)
- 12 V converter
- Hands-free telephone
- USB port

OPTIONAL EQUIPMENT

- Various optional arms
- Wide range of shoes
- Front-guard protective structure (may interfere with bucket action)
- Additional counterweight (+300 kg)
- Cab top work LED lights (two lights)

- Mechanical suspension seat (Applicable for N&B piping)
- Rain visor (may interfere with bucket action)
- Quick Hitch piping
- Heavier counterweight (+350 kg)
- Eagle eye view

Note: Standard and optional equipment may vary. Consult your KOBELCO dealer for specifics.

Note: This catalogue 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.

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March 2019 | POD0196