

Your competitive edge.

2355RLc					
WT	57,300 lb				
HP	143	SAE NET			
вкт	CAP	.67-1.67 cu yd			











KOBELCO 235SRLc

#### KOBELCO 235SRLc

#### The Most Awesome Machine In Its Class!

With 143 net horsepower and weighing in at 57,300 lbs., Kobelco's innovative 235SRLC Hydraulic Excavator is setting a new standard for the 25-ton size class. The 235SRLC represents the very latest in technology, performance and convenience in a compact, highly maneuverable excavator. The "SR" in the model name refers to "Short Radius". The 235SRLC, designed with zero tail swing, maximizes new counterweight technology to maintain or even increase its lifting capacities.

When your needs call for an excavator that performs well in tight spots, the 235SRLC is simply the best machine for the job.



**WORKING RANGES** 



Kobelco knows that operator comfort has a direct influence on performance. That's why we have created an ideal balance between comfort and logistics in the 235SRLC's ergonomic cab design. Controls are sensibly located for ease of use. There's a fully adjustable suspension seat and control console, and air conditioning is standard. Effective lighting, both inside the cab and on the machine's exterior, provides excellent visibility in low light situations.

#### A Redesigned Cab

- Improved visibility all around the machine
- Front window slides open, up and out of the way. The bottom piece of glass is removable and easily stored behind the operator's seat
- Low noise and vibration levels due to viscous, silicon-filled cab mounts

#### **Suspension Seat by KAB**

The operator's seat is 7-way adjustable with a dual slide mechanism that allows the operator to adjust the seat in relation to the travel levers, the console mounted joysticks and controls separately. Any operator can be made comfortable.

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#### **Climate Control**

The operator sets the desired temperature and the air conditioning unit automatically maintains it.

Thoughtfully placed vents are located at foot level, chest level, and to the rear. An additional vent can be used as a defroster at the front right.

#### 24 to 12 Volt Converter

Most optional plug-in equipment is capable of running off this standard feature in all Kobelco excavators.

#### **Gauge Cluster**

The 235SRLC Gauge Cluster contains the following lamps, gauges and indicators:

- Work mode indicator lamp: tells whether machine is in "H", "S", or "FC" mode
- Engine coolant temperature gauge
- Fuel level gauge
- Monitor/warning lamps: engine oil pressure, engine coolant temp., battery charge, engine preheat, two speed travel, fuel level, air cleaner restriction, CPU, swing parking brake release



# 2355RLc

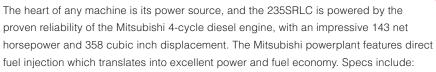


## E.A.C.S. — Electronic Active Control System.

E.A.C.S. permits precise control of the engine and hydraulic system automatically. A state-of-the-art computer controls the engine and pumps so that they work together and respond automatically to the operator's commands. High and low pressure sensors work in conjunction with the engine speed sensor to determine what the operator is demanding from the machine and what the current machine status is. Based on feedback from these sensors, the computer effectively tailors the output of the main pumps to maximize productivity.

- Precise fine control
- Auto engine deceleration with progressive RPM recovery tailored to operator or job requirements
- High horsepower on demand

#### **ENGINE**



- Mitsubishi 6D34-TEC
- Direct injection, water cooled 6-cylinder, 4-cycle diesel
- 358 cu. in. (5.87 liters) displacement
- 143 HP (107 KW) @ 2,000 rpm; SAE NET
- Good fuel economy
- Durable, long life
- Meets worldwide emission standards

#### PERFORMANCE

Bucket capacity (SAE heaped)	0.67~1.67 yd³ (0.51~1.28m³)
Travel speed	3.3/2.1 mph (5.3/3.3 km/h)
Swing speed	11 rpm
Gradeability	35° (70%)
Drawbar pulling force	51,300 lb (23,400 kg)
Swing torque	58,267 lb (79 kN•m)



Kobelco has designed an innovative new hydraulic system for the 235SRLC which provides impressive efficiency in both horsepower and fuel consumption. Kobelco's ingenious E.A.C.S. system maximizes performance by instantly matching power to the needs of the operator in any situation. The result is a 25-ton machine with smooth, responsive and seamless control.



#### **Pumps**

- Two main variable displacement piston pumps mount directly to the engine without gear boxes
- Gear-type pilot pump is mounted on the main pump assembly

#### **Cylinders**

• Boom hoist cylinder equipped with a rod side cushion

 Arm cylinder equipped with cushions on both the rod and head sides of the cylinder

#### **Main Control Valve**

- Six main spool valves form the main control valve
- Boom and arm confluent circuits permit double pump flow to boom or arm during high production cycling for increased speed and productivity
- Both boom and arm circuits have holding valves
   (anti-drift valves) built in. These valves minimize
   attachment drift, allowing the attachment to maintain a
   position for long periods of time.



#### **HYDRAULIC SYSTEM**

Pumps

Control valves

Max discharge flow	2 x 53 US gal/min (2 x 200	lit/min)
Max discharge pressures:		a****
Boom, arm & bucket	4,980 psi (350 kg/cm²)	
Power boost / Heavy lift	5,425 psi (385 kg/cm²)	
Propel circuit	4,980 psi (350 kg/cm²)	
Control circuit	710 psi (50 kg/cm²)	1
Swing pressure	4,260 psi (300 kg/cm²)	

6 spool



#### SWING SYSTEM

The effectiveness of a machine's swing system defines it's capability, and the 235SRLC's Zero Tail Swing design redefines the effectiveness of the whole 25-ton class. By borrowing technology from their highly acclaimed cranes, Kobelco excavators incorporate a swing system that provides smoother starts and stops, and more precise bucket placement with a **Swing Shockless Valve**. This valve greatly reduces the rebound caused by the gear train backlash of the swing system by absorbing and dampening the effect of each rebound.

#### **Zero Tail Swing**

In the case of the 235SRLC the tail swing radius is so small that the counterweight of the machine does not extend past the width of the tracks when the upper frame is rotated through a complete swing arc. This is particularly advantageous when working in tight places. Whether operating in the street close to traffic, near the wall of a building or any other typical work site obstruction, the rear of the machine is safer from damage from any of these objects.

#### **Automatic Swing Priority**

Automatic swing priority provides excellent swing control during simultaneous operations with the arm and swing. This provides full swing torque while cutting the side of a ditch.

#### **Improved Operator Confidence**

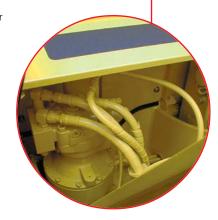
Operators can concentrate more on moving material and worry less about swinging the tail into something. This allows for a more relaxed and comfortable operator, improving their efficiency and productivity. With such a small working width, this machine can operate in an extremely confined space where few others in this weight class can fit. Even with zero tail swing, the lifting capacity of the 235SRLC is comparable to conventional excavators.

#### **Minimal Front Swing Radius**

The 235SRLC also has a very **short front swing radius** of only 6'3". Over the side of the machine with the standard arm, the attachment extends 8.5" outside the width of the tracks. The combination of a short front swing radius and a zero tail swing allow this machine to complete a swing-dumping operation within an 11'9" width. This working width is more commonly seen on a 6-ton mini excavator.

#### **Auto-Swing Brake**

The parking brake is automatically spring applied and hydraulically released. Loads are automatically held in position while working on the side of a hill.



#### TRAVEL SYSTEM

The travel system aboard the 235SRLC is among the fastest and most sophisticated in the industry. A fast travel speed of 3.3 mph, combined with Kobelco's rugged construction standards, makes for one of the most productive excavators around.



#### **Straight Propel System**

The flow from two hydraulic pumps is logically directed to allow fast speeds when traveling, and unerringly straight travel while operating attachments. This **Straight Propel System** ensures straight line travel when using other functions, making jobs like pipe laying much easier and more productive.

#### **Two Speed Travel**

The 235SRLC really moves; you have a choice of a high speed setting at 3.3 mph to get you across the job site quickly or a high torque setting at 2.1 mph to climb steep inclines and get out of tough situations in no time at all.

#### Undercarriage

The undercarriage components are oversized to provide heavy-duty strength

for long term durability and trouble-free operation. With the same size undercarriage, carbody, axles, side frames, rollers, and track as the SK250LC, the 235SRLC's track length is 15' 3". Overall track width is 11' 1" and track gauge is 8' 6". The travel motors are true two-speed, axial piston motors. Both travel motors contain automatic, spring applied, hydraulically released parking brakes. Standard 31.5" wide track shoes provide excellent flotation while aiding stability.



# 2355RLC

BOOM, ARM & BUCKET

As you would expect from Kobelco, the boom, arm and bucket assemblies are built for aggressive and demanding uses. An array of features provide the operator with exceptional bucket and attachment speed and control:

- · Bucket capacities are large and breakout is at impressively high forces
- The boom is designed as a box-section structure to provide maximum strength and durability
- Anti-drift valves on both the boom and arm help prevent attachment drift
- Confluence circuits on both the boom and arm allow two-pump flow when needed, increasing attachment speed
- A single high-wattage work light is mounted on the left side of the boom for strong lighting coverage during night or low-light work
- The boom foot and boom cylinders use special, wear resistant brass bushings that are graphite impregnated to extend greasing intervals to 250 hours
- A standard rock guard is mounted to the bottom plate of the arm to protect the base plate against wear and damage that may occur while digging
- Cushions in the hydraulic circuit smooth out attachment operations by reducing the shock at the end of the cylinder stroke, thereby improving cylinder life

#### DIGGING FORCE

Unit: lb (kg)

ARM LENGTH ft-in (m)	9'8"	(2.94)	10'11"	(3.33)
Bucket digging force	30,000	(13,600)†	27,300	(12,400)
Arm crowding force	23 200	(10.500)†	20 200	(9 200)

† Power Boost engaged



(3)

#### **BUCKET SELECTION CHART**

			34.5					
Bucket Duty	_	ity (SAE) Yard (m³)		Vidth hes (m)		Weight lb (kg)		t-in (m) 10'11" (3.33)
General Purpose	.88	(.672)	24	(.609)	1,165	(528)	Н	Н
	.91	(.695)	30	(.762)	1,325	(601)	Н	Н
	1.14	(.871)	36	(.914)	1,450	(658)	Н	M
	1.37	(1.047)	42	(1.066)	1,651	(749)	М	L
	1.60	(1.223)	48	(1.219)	1,780	(807)	L	X
Heavy Duty	.68	(.519)	24	(.609)	1,250	(567)	Н	Н
	.91	(.695)	30	(.762)	1,420	(644)	Н	M
	1.14	(.871)	36	(.914)	1,560	(708)	М	L
	1.37	(1.04)	42	(1.066)	1,730	(785)	L	X
	1.60	(1.223)	48	(1.219)	1,905	(864)	X	X
Severe Duty	.63	(.481)	26	(.660)	1,455	(660)	Н	Н
	.75	(.573)	31	(.787)	1,590	(721)	Н	Н
	.88	(.672)	37	(.939)	1,790	(812)	М	M
	1.13	(.871)	43	(1.092)	2,000	(907)	L	X

- H Used with material weight up to 3,000 lbs per cubic yard.
- M Used with material weight up to 2,500 lbs per cubic yard.
- L Used with material weight up to 2,000 lbs per cubic yard.
- X Not recommended.

#### UNDERCARRIAGE

Kobelco knows that the undercarriage is exposed to the harshest of environments. Therefore, we have designed our undercarriages to withstand the test of time. The heavy duty travel motors are designed for maximum durability and drawbar pull. Endurance is ensured by using a lubricated track link system and lifetime-lubricated heavy-duty carrier rollers. In short, the 235SRLC's undercarriage is built to last!



#### **Stronger Crawler Frame**

The 235SRLC's massive undercarraige compliments the upper frame's short tail swing radius. This improved crawler footprint provides a balanced and stable machine. Our new crawler frame is a three-piece design which incorporates a separate idler housing mounted to the idler. This housing is then welded to the crawler shell, as is the guarded travel motor housing. Together, these three pieces make up the new crawler frame. In addition, the crawler frame has been reinforced around the idler housing, significantly strengthening this area for increased durability for years to come.

#### X-Shaped Carbody

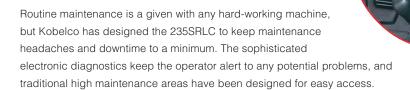
The 235SRLC's carbody design is a modified x-shape, an ideal design which resists distortion that can be caused by constant heavy lifting and severe traveling conditions. The carbody axles are welded to the crawler frame along an exceptionally wide area, connecting from the bottom plate to the top surface of the crawler frame, providing maximum frame rigidity, operational stability and operator confidence in demanding working conditions.

#### **Long-life Components**

The 235SRLC's heavy duty idlers, lower roller and carrier rollers are all lifetime-lubricated to ensure these critical components keep operating over any surface, over the entire life span of your excavator. Track links feature flexible seals to keep dirt out and initial lubrication in and are strutted for durability.



## 235SRLC





MAINTENANCE

The engine hood swings open easily and allows complete access for routine service checks. Engine oil level can be readily checked and all fuel and oil filters are easy to replace. The air cleaner is easy to inspect and replace. A lightweight but durable guard covers the fuel and hydraulic tanks as well as the main control valve and batteries. This lockable guard is very light and opens easily with your ignition/cab key.

REFILLING CAPACITIES	Unit: US gal (liters)
Fuel tank	77.0 (290)
Hydraulic capacity: system/tank	61/33 (230/125)
Cooling system	6.9 (26)
Engine oil pan	5.8 (22)
Travel reduction unit	2 x 1.2 (2 x 4.7)
Swing reduction unit	2.0 (7.5)
Swing gear grease bath	34.6 lbs (15.7 kg)

#### **Electrical Diagnostics**

The 235SRLC is equipped with an electrical

self-diagnostic function built into the controller. The cluster gauge has warning lights and buzzers to inform the operator about critical machine problems. If a failure occurs, an LCD display on the face of the controller will show a failure code related to whatever the failure is. This code can easily be crossed-referenced and the failure determined. The 235SRLC's diagnostic function can check up to thirty-six different items related to machine functions, an effortless way to quickly determine the condition of the machine and eliminate a lot of guess work in maintenance situations.

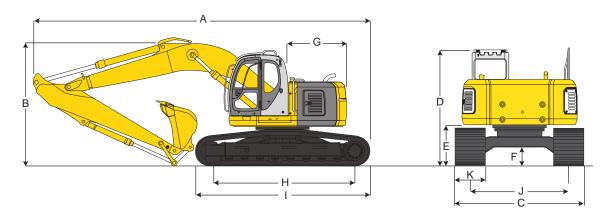
#### **Easy Maintenance Radiator**

The 235SRLC's radiator utilizes a waved fin design that deters clogging. A dust screen covers the front face of the oil cooler and greatly reduces the amount of particles allowed to pass through. This screen is easy to remove and clean. The space between the oil cooler and the radiator has been widened and makes for easy in-place clean-out.



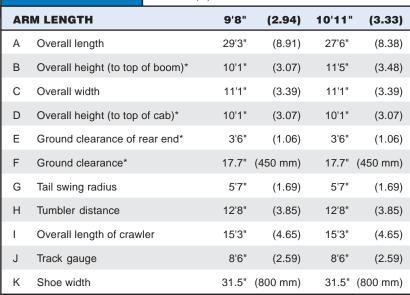


#### **WEIGHTS & DIMENSIONS**



#### DIMENSIONS

Unit ft-in (m)

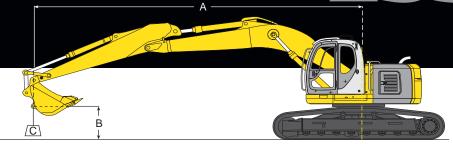


<sup>\*</sup> Excludes height of grouser bar.

#### WEIGHTS

MODEL	235SRLC	235SR High & Wide
Overall width ft-in (mm)	11'1" (3,390)	11'11" (3,450)
Ground pressure psi (kg/cm²)*	5.60 (0.39)	5.97 (0.42)
Operating weight lb (kg)	57,300 lbs (26,000 kg)	60,640 (27,500)

<sup>\*</sup> Ground pressure with standard (800mm) shoes.



#### LIFTING CAPACITIES





А		235SR	235SR <sub>LC</sub> Arm: 9'8" (2.94 m) Bucket: 1.05 cu yd (0.80 m³) SAE heaped – 1,410 lb (640 kg)										
		5' (1	.5 m)	10' (3	3.0 m)	15' (4	4.6 m)	20' (6	6.1 m)	25' (7.6 m)			
В	C												
25'	lb					*10,100	*10,100	*7,810	*7,810				
(7.8 m)	kg					*4,580	*4,580	*3,540	*3,540				
20'	lb					*10,830	*10,830	*10,670	*10,670				
(6.1 m)	kg					*4,910	*4,910	*4,830	*4,830				
15'	lb			*16,500	*16,500	*13,440	*13,440	*11,820	*11,820	*9,650	8,450		
(4.6 m)	kg			*7,480	*7,480	*6,090	*6,090	*5,360	*5,360	*4,380	3,830		
10'	lb			*26,870	*26,870	*17,360	*17,360	*13,630	11,780	*11,730	8,190		
(3.0 m)	kg			*12,180	*12,180	*7,870	*7,870	*6,180	5,340	*5,320	3,710		
5'	lb			*18,150	*18,150	*21,040	17,360	*15,450	11,180	*12,570	7,890		
(1.5 m)	kg			*8,230	*8,230	*9,540	7,870	*7,010	5,070	*5,700	3,580		
Ground	lb			*19,460	*19,460	*22,990	16,580	*16,640	10,740	12,640	7,660		
Level	kg			*8,820	*8,820	*10,420	7,520	*7,540	4,870	5,730	3,470		
-5'	lb	*16,420	*16,420	*26,770	*26,770	*22,930	16,300	*16,730	10,520	12,540	7,570		
(-1.5 m)	kg	*7,440	*7,440	*12,140	*12,140	*10,400	7,390	*7,590	4,770	5,690	3,430		
-10'	lb	*24,850	*24,850	*29,960	*29,960	*20,920	16,380	*15,250	10,570				
(–3.0 m)	kg	*11,270	*11,270	*13,580	*13,580	*9,490	7,430	*6,910	4,790				
-15'	lb	*35,200	*35,200	*22,810	*22,810	*16,160	*16,160						
(-4.6 m)	kg	*15,960	*15,960	*10,340	*10,340	*7,330	*7,330						

- A Reach swing centerline to bucket hook
- B Bucket hook height above/ below ground
- C Lifting capacities in pounds and kilograms
- Max discharge pressure: 5,470 psi (385 kg/cm<sup>2</sup>)
- Track shoe: 31.5" (800 mm) Triple grouser
- Boom: 18'6" (5.65 m)

- Notes:

  1. Do not attempt to lift or hold any load that exceeds these rated values at their specified load radii and heights.

  2. 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.

  3. Ratings at bucket lift hook.
- 3. Natings at Joseph Intols.
  4. The previous rated loads are in compliance with SAE Hydraulic Excavator Lift Capacity 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.
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  Comparator should be fully acquainted with the operator's 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 America LLC.

## LIFTING CAPACITIES

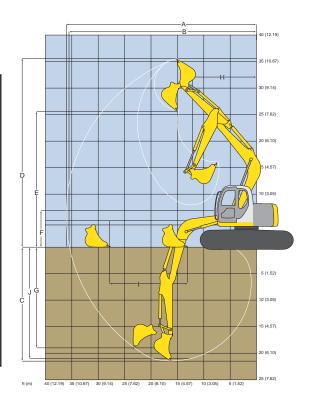
	A	235SR <sub>LC</sub> Arm: 10'11" (3.33 m) Bucket: 0.89 cu yd (0.68 m³) SAE heaped – 1,410 lb (640 kg)									
A		5' (1.5 m)		10' (3	3.0 m)	15' (4	l.6 m)	20' (6.1 m)		25' (7.6 m)	
В	C										
30'	lb					*9,550	*9,550				
(9.1 m)	kg					*4,330	*4,330				
25'	lb					*8,860	*8,860	*9,240	*9,240		
(7.6 m)	kg					*4,020	*4,020	*4,190	*4,190		
20'	lb					*9,600	*9,600	*9,800	*9,800	*7,600	*7,600
(6.1 m)	kg					*4,350	*4,350	*4,440	*4,440	*3,440	*3,440
15'	lb			*12,200	*12,200	*12,160	*12,160	*11,020	*11,020	*10,330	8,530
(4.6 m)	kg			*5,530	*5,530	*5,510	*5,510	*4,990	*4,990	*4,680	3,870
10'	lb			*23,880	*23,880	*16,110	*16,110	*12,900	11,880	*11,210	8,230
(3.0 m)	kg			*10,830	*10,830	*7,300	*7,300	*5,850	5,380	*5,080	3,730
5'	lb			*22,710	*22,710	*20,060	17,490	*14,860	11,220	*12,180	7,890
(1.5 m)	kg			*10,300	*10,300	*9,100	7,930	*6,740	5,080	*5,520	3,580
Ground	lb			*19,980	*19,980	*22,490	16,550	*16,280	10,700	12,600	7,610
Level	kg			*9,060	*9,060	*10,200	7,500	*7,380	4,850	5,710	3,450
-5'	lb	*14,970	*14,970	*25,680	*25,680	*22,940	16,150	*16,680	10,420	12,440	7,470
(-1.5 m)	kg	*6,780	*6,780	*11,640	*11,640	*10,400	7,320	*7,560	4,720	5,640	3,390
-10'	lb	*22,730	*22,730	*31,320	*31,320	*21,470	16,140	*15,680	10,400		
(-3.0 m)	kg	*10,300	*10,300	*14,200	*14,200	*9,730	7,320	*7,110	4,710		
-15'	lb	*32,710	*32,710	*25,050	*25,050	*17,570	16,520				
(-4.6 m)	kg	*14,830	*14,830	*11,360	*11,360	*7,970	7,490				

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		( ( )		

Unit: ft-in (m)

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AT	rachments	9'8"	(2.94)	10'10"	(3.33)
а	Max digging reach	32'4"	(9.85)	33'6"	(10.21)
b	Max digging reach at ground level	31'8"	(9.66)	32'1"	(10.03)
С	Max digging depth*	22'0"	(6.70)	23'4"	(7.10)
d	Max digging height*	37'0"	(11.29)	38'0"	(11.59)
е	Max dumping clearance*	27'7"	(8.42)	28'6"	(8.69)
f	Min dumping clearance*	10'6"	(3.22)	9'9"	(2.98)
g	Max vertical wall digging depth*	20'0"	(6.06)	21'4"	(6.48)
h	Min front swing radius	6'3"	(1.90)	8'0"	(2.45)
i	Horizontal digging stroke at ground level	17'2"	(5.29)	18'3"	(5.55)
j	Digging depth for 8' (2.4m) flat bottom	21'5"	(6.52)	22'9"	(6.93)
Buc	ket capacity SAE heaped-yd³ (m³)	1.05"	(0.80)	0.89"	(0.68)

<sup>\*</sup> Excludes height of grouser bar.



### **SPECIFICATION SUMMARY**

Di Leil Ien Ien	SUMMA	77.77	
GENERAL			
Operating Weight with Bucket	lb (kg)	57,300	(26,000)
Bucket Capacity Range	cu yd (m³)	0.67-1.67	(0.51-1.28)
ENGINE			
Make and Model	Mitsubishi	61	D34-TEC
Displacement	cu in (L)	358	(5.87)
Bore and Stroke	in (mm)	4.09 x 4.53	(104 x 115)
Horsepower SAE NET HP/RP	M (KW/RPM)	143@2000	(107@2,000)
WORKING RANGES	(Std. Arm)		
Standard Arm	ft-in (m)	9-8	(2.94)
Bucket Digging Force	lb (kg)	30,000	(13,600)
Arm Digging Force	lb (kg)	23,200	(10,500)
Ground Level Reach	ft-in (m)	31'8"	(9.66)
Digging Depth	ft-in (m)	22'0"	(6.70)
Dumping Height	ft-in (m)	27'7"	(8.42)
Vertical Wall Digging Depth	ft-in (m)	20'0"	(6.06)
Max. Lift Capacity-Side	lb (kg)	10,740	(4,870)
@ 20' Radius & Ground Level-	Front lb (kg)	16,640	(7,540)
HYDRAULIC SYSTEM			
Hydraulic Pump	No & type	2'	VP+1FG
Rated Oil Flow	gpm (L/m)	2x53+5.5	(2x200+21)
Operating Pressure Implemen	t-psi (kg/cm²)	4,980	(350)
Travel-psi	(kg/cm <sup>2</sup> )	4,980	(350)
Swing-psi	(kg/cm <sup>2</sup> )	4,260	(300)
Power Boost/Heavy Lift-psi	(kg/cm <sup>2</sup> )	5,470	(385)
UNDERCARRIAGE			
Track Overall Length	ft-in (m)	15'3"	(4.65)
Track Overall Width w/Std. Sho	oe ft-in (m)	11'1"	(3.39)
Track Shoe	in (mm)	32	(800)
Travel Speed	mph (km/h)	3.3/2.1	(5.3/3.3)
Draw Bar Pull	lb (kg)	51,300	(23,400)
Ground Bearing Pressure	psi (kg/cm²)	5.60	(0.39)
Ground Clearance	in (mm)	17.7	(450)
SWING			
Swing Speed	rpm		11
Tail Swing Radius	ft-in (m)	5'7"	(1.69)
Swing Torque	lb (kN•m)	58,267	(79)
SHIPPING DIMENSIONS			
Height	ft-in (m)	10'1"	(3.07)
Width w/Std. Shoe	ft-in (m)	11'1"	(3.39)
Length	ft-in (m)	29'3"	(8.91)
REFILL CAPACITIES			
Fuel Tank	gal (L)	77	(290)
Hydraulic Reservoir	gal (L)	33	(125)

## 235**SR**LC

#### KOBELCO 2355RLc

It takes a true competitive edge to be profitable in today's construction market. A good idea is not always enough — it takes the right kind of company to bring it to life. Kobelco's new 235SRLC typifies the company's commitment to innovation, imagination, practicality and value to the customer. Contact your nearest dealer to learn firsthand what makes Kobelco "Your competitive edge."



#### STANDARD EQUIPMENT

- AM/FM radio
- Audible warning system for high coolant temperature, low engine oil pressure, clogged air filter and oil replacement interval
- Automatic engine deceleration
- Boom and arm holding (anti-drift) valves
- Breaker valve with flow control
- · Cab is die formed modular steel with viscous silicon-filled cab mounts, sound insulated, windshield wiper, adjustable reclining operator's seat with lap safety belt, heater and defroster, cigarette lighter, ashtray, floor mat, cab light, control lever lock, tinted skylight with damper cylinder and overhead guard
- · Climate control air conditioning
- Dual element air filter
- Emergency electronic bypass with mechanical throttle control
- Engine shuts down automatically for low oil pressure
- Heavy duty batteries (2 x 12 volt-115 AH)
- Heavy Lift and Power Boost
- Hydraulic oil cooler and Hydraulic track adjuster
- Independent travel
- Lifetime lubricated track rollers, idlers and sprockets, grease cylinder track adjuster, track link disassembly mechanism, long pitch sealed and strutted track links
- Mitsubishi engine, 6D34-TEC
- Mode selection (Fine Control Mode,

- Standard Mode, and Heavy Work Mode)
- · Multi-display monitor includes: system status, engine preheat status, low engine oil pressure warning, engine coolant temperature level warning, engine air cleaner restriction, battery charging system, low fuel level, CPU error indicator lamp, hour meter, fuel level and water temperature level gauges, 2-speed travel and swing release indicators
- On-screen service diagnosis capability
- Proportional auto acceleration engine control system
- · Removable cleanout screen in front of the oil cooler
- · Removable travel levers with toe tabs
- Self-lubricating bushings in boom foot and boom hoist cylinders
- Starting motor (24 volt/5.0 KW) and 35 amp alternator
- Straight travel system
- Suspension seat-7 way adjustable
- · Swing and travel automatic parking brakes
- Swing shockless valve
- · Two front working lights
- Travel alarm
- · Two lever control for boom, arm, bucket and swing; pilot operated wrist controls and foot pedals
- Two speed travel, automatic shift
- 9' 8" (2.94 m) arm with rock guard
- 18' 6" (5.6 m) boom
- 24 to 12 volt converter
- 31.5" (800 mm) semi-triple grouser shoes
- 100 event fault code memory, accessible with standard equipment

#### **OPTIONAL EQUIPMENT**

- · Belly pan guard
- Boom/arm load holding (lock) valves
- · Breaker piping and controls
- Combined one-way or two-way auxiliary hydraulics (one or two pump) with piping and foot controls
- Control pattern changer (ISO/BHL)
- · Front rain visor
- · High and wide undercarriage

- Large selection of buckets
- · Low flow rotation circuit
- · One-way auxiliary hydraulics with piping and foot controls (one pump)
- Perforated engine side panels
- Vandalism guards
- 10' 11" (3.33 m) arm with rock guard

NOTE: Due to our policy of continual product improvement, all designs and specifications are subject to change without advance notice

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