

Robex

235LCR-9A

With Tier 4 Interim Engine installed

HYUNDAI HEAVY INDUSTRIES

MOVING YOU FURTHER



 **HYUNDAI**

PRIDE AT WORK

Hyundai Heavy Industries strives to build state-of-the-art earthmoving equipment to give every operator maximum performance, optimal controllability, versatile machine settings and proven technology.

Be proud of your work with Hyundai!



*Photo may include optional equipment.

Robex 235LCR-9A

Machine Walk-Around

Engine Technology

Proven, reliable, fuel efficient, low emission and low noise
Cummins Tier 4 interim & EU stage III B engine

Hydraulic System Improvements

New patented hydraulic control for improved controllability / Improved control valve design for added efficiency and smoother operation / New auto boom and swing priority system for optimum speed / New auto power boost feature for additional power when needed / Improved arm-in and boom-down flow regeneration system for added speed and efficiency

Pump Compartment

Industry-leading, powerful, reliable Kawasaki designed, variable volume in-line axial piston pumps

New compact solenoid block equipped with 4 solenoid valves, 1 EPPR valve, 1 check valve accumulator and pilot filter - controls 2 speed travel, power boost, boom priority, safety lock, arm regeneration

Enhanced Operators' Cab

Improved Visibility

Enlarged cab with improved visibility / See-through upper skylight for visibility and ventilation
Larger right-side glass, now one piece, for better right visibility

Safety glass windows on all sides - less expensive than (polycarbonate) and won't scratch or fade

Closeable sunshade for operator convenience / Reduced front window seam for improved operator view

Rigid Cabin Construction

New steel tube construction for added operator safety, protection and durability

New window open/close mechanism designed with cable and spring lift assist and single latch release

Improved Seat & Console

Ergonomic joysticks with auxiliary control buttons for attachment use. Now with new sleek styling

Heated suspension (standard)

Advanced 7" Color Cluster with Touch Screen

New Color LCD Display with easy to read digital gauges for hydraulic oil temperature, water temperature, and fuel. Simplified design makes adjustment and diagnostics easier. Also, new enhanced features such as rear-view camera are integrated into monitor.

3 power modes : (P) Power, (S) Standard, (E) Economy, 2 work modes : Dig & Attachment, (U) User mode for operator preference

Enhanced self-diagnostic features with GPS download capability

One pump flow or two pump flow for optional attachment is now selectable through the cluster

New anti-theft system with password capability

Boom speed and arm regeneration are selectable through the monitor.

Auto power boost is now available - selectable (on/off) through the monitor.

Powerful air conditioning and heat with auto climate control

RMS (Remote Management System) works through GPS/satellite technology to ultimately provide better customer service and support.

Undercarriage

Sealed track chain (urethane seals) / Standard track rail guard / Comfortable bolt-on steps

Large upper roller cut-outs for debris clean-out / Tapered side frames for debris clean-out / Greasetype track tensioner



Specifications R235LCR-9A

ENGINE

MODEL		CUMMINS QSB6.7
Type	Water cooled, 4 cycle Diesel, 6-Cylinders in line, direct injection, turbocharged, charged air cooled	
Rated flywheel horse power		
SAE	J1995 (gross)	167 HP (124 kW) / 1,950 rpm
	J1349 (net)	157 HP (117 kW) / 1,950 rpm
DIN	6271/1 (gross)	169 PS (124 kW) / 1,950 rpm
	6271/1 (net)	159 PS (117 kW) / 1,950 rpm
Max. torque		74.7 kgf.m (540 lbf.ft) / 1,500 rpm
Bore x stroke		107 mm x 124 mm (4.2" x 4.9")
Piston displacement		6,700 cc (409 in³)
Batteries		2 x 12 V x 100 AH
Starting motor		24 V, 4.8 kW
Alternator		24 V, 95 Amp

HYDRAULIC SYSTEM

MAIN PUMP	
Type	Variable displacement tandem-axis piston pumps
Max. flow	2 x 228.2 l/min (60.3 US gpm/50.2 UK gpm)
Sub-pump for pilot circuit	Gear pump
Cross-sensing and fuel saving pump system	
HYDRAULIC MOTORS	
Travel	Two-speed axial pistons motor with brake valve and parking brake
Swing	Axial piston motor with automatic brake
RELIEF VALVE SETTING	
Implement circuits	350 kgf/cm ² (4,980 psi)
Travel	350 kgf/cm ² (4,980 psi)
Power boost (boom, arm, bucket)	380 kgf/cm ² (5,410 psi)
Swing circuit	285 kgf/cm ² (4,050 psi)
Pilot circuit	40 kgf/cm ² (570 psi)
Service valve	Installed
HYDRAULIC CYLINDERS	
No. of cylinder-bore x stroke	Boom: 2-120 x 1,290 mm (4.7" x 50.8")
	Arm: 1-140 x 1,510 mm (5.5" x 59.4")
	Bucket: 1-120 x 1,055 mm (4.7" x 41.5")

DRIVES & BRAKES

Drive method	Fully hydrostatic type
Drive motor	Axial piston motor, in-shoe design
Reduction system	Planetary reduction gear
Max. drawbar pull	21,400 kgf (47,180 lbf)
Max. travel speed (high) / (low)	5.8 km/h (3.6mph) / 3.4 km/h (2.1mph)
Gradeability	30° (58 %)
Parking brake	Multi wet disc

CONTROL

Pilot pressure operated joysticks and pedals with detachable lever provide almost effortless and fatigueless operation.

Pilot control	Two joysticks with one safety lever (LH): Swing and arm (RH): Boom and bucket (ISO)
Traveling and steering	Two levers with pedals
Engine throttle	Electric, Dial type

SWING SYSTEM

Swing motor	Fixed displacement axial pistons motor
Swing reduction	Planetary gear reduction
Swing bearing lubrication	Grease-bathed
Swing brake	Multi wet disc
Swing speed	10.7 rpm

COOLANT & LUBRICANT CAPACITY

Refilling	liter	US gal	UK gal
Fuel tank	320	84.5	70.4
Engine coolant	38	10	8.4
Engine oil	23.7	6.3	5.2
Swing device	6.2	1.6	1.4
Final drive (each)	6	1.6	1.3
Hydraulic system (including tank)	275	72.6	60.5
Hydraulic tank	160	42.3	35.2

UNDERCARRIAGE

The X-leg type center frame is integrally welded with reinforced box-section track frames. The undercarriage includes lubricated rollers, idlers, track adjusters with shock absorbing springs and sprockets, and a track chain with double or triple grouser shoes.

Center frame	X - leg type
Track frame	Pentagonal box type
No. of shoes on each side	49 EA
No. of carrier rollers on each side	2 EA
No. of track rollers on each side	9 EA
No. of rail guards on each side	2 EA

OPERATING WEIGHT (APPROXIMATE)

Operating weight, including 5,680 mm (18' 8") boom, 2,920 mm (9' 7") arm, SAE heaped 0.80 m³ (1.05 yd³) bucket, lubricant, coolant, full fuel tank, full hydraulic tank and all standard equipments.

MAJOR COMPONENT WEIGHT	
Upperstructure	5,600 kg (12,350 lb)
Boom (with arm cylinder)	1,950 kg (4,300 lb)
Arm (with bucket cylinder)	1,095 kg (2,410 lb)

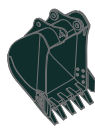
OPERATING WEIGHT			
Shoes		Operating weight	Ground pressure
Type	Width mm (in)	kg (lb)	kgf/cm ² (psi)
Triple grouser	600 (24")	23,800 (52,470)	0.51 (7.25)
	700 (28")	24,060 (53,040)	0.44 (6.26)
	800 (32")	24,320 (53,620)	0.39 (5.55)
	900 (36")	24,580 (54,190)	0.35 (4.98)

BUCKETS R235LCR-9A

All buckets are welded with high-strength steel.



0.51 (0.67)



0.80 (1.05)
0.87 (1.14)
0.92 (1.20)



1.10 (1.44)
1.20 (1.57)



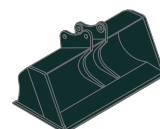
1.34 (1.75)



◆ 0.74 (0.97)
◆ 0.90 (1.18)
◆ 1.05 (1.37)



● 0.87 (1.14)



■ 0.75 (0.98)

SAE heaped m³ (yd³)

Capacity m³ (yd³)		Width mm (in)		Weight kg (lb)	Recommendation m (ft.in)		
SAE heaped	CECE heaped	Without side cutters	With side cutters		5.68 (18' 8") Boom		
					2.0 (6' 7") Arm	2.4 (7' 10") Arm	2.92 (9' 7") Arm
0.51 (0.67)	0.45 (0.59)	700 (27.6)	820 (32.3)	570 (1,260)	●	●	●
0.80 (1.05)	0.70 (0.92)	1,000 (39.4)	1,120 (44.1)	700 (1,540)	●	●	●
0.87 (1.14)	0.75 (0.98)	1,090 (42.9)	1,210 (47.6)	740 (1,630)	●	●	■
0.92 (1.20)	0.80 (1.05)	1,150 (45.3)	1,270 (50.0)	770 (1,700)	●	●	■
1.10 (1.44)	0.96 (1.26)	1,320 (52.0)	1,440 (56.7)	830 (1,830)	●	■	▲
1.20 (1.57)	1.00 (1.31)	1,400 (55.1)	1,520 (59.8)	850 (1,870)	■	▲	—
1.34 (1.75)	1.15 (1.50)	1,550 (61.0)	1,670 (65.7)	920 (2,030)	▲	▲	—
◆ 0.74 (0.97)	0.65 (0.85)	985 (38.8)	-	770 (1,700)	●	●	●
◆ 0.90 (1.18)	0.80 (1.05)	1,070 (42.1)	-	810 (1,790)	●	●	■
◆ 1.05 (1.37)	0.92 (1.20)	1,290 (50.8)	-	890 (1,960)	●	■	▲
● 0.87 (1.14)	0.75 (0.98)	1,140 (44.9)	-	900 (1,980)	●	●	■
■ 0.75 (0.98)	0.65 (0.85)	1,790 (70.5)	-	880 (1,940)	●	●	■

◆ Heavy-duty bucket

■ Slope finishing bucket

● Heavy duty Rock-bucket

● : Applicable for materials with density of 2,000 kg/m³ (3,370 lb/yd³) or less

■ : Applicable for materials with density of 1,600 kg/m³ (2,700 lb/yd³) or less

▲ : Applicable for materials with density of 1,100 kg/m³ (1,850 lb/yd³) or less

ATTACHMENT R235LCR-9A

Booms and arms are welded, a low-stress, full-box section design.

5.68 m (18' 8") boom and 2.0 m (6' 7"); 2.4 m (7' 10") & 2.92 m (9' 7") Arms are available.

DIGGING FORCE R235LCR-9A

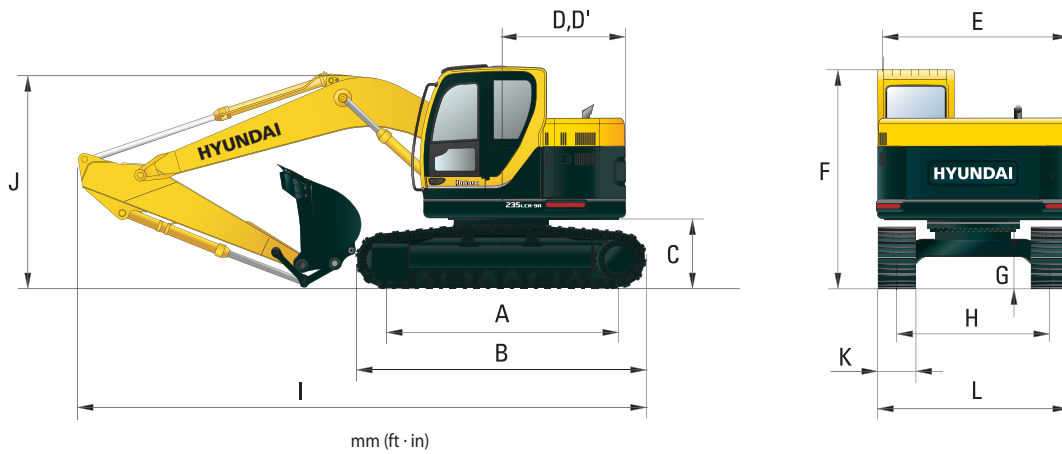
Boom	Length	mm (ft-in)	5,680 (18'8")			Remarks
	Weight	kg (lb)	1,950 (4,300)			
Arm	Length	mm (ft-in)	2,000 (6'7")	2,400 (7' 10")	2,920 (9'7")	
	Weight	kg (lb)	975 (2,150)	1,045 (2,300)	1,095 (2,410)	
Bucket digging force	SAE	kN	133.4 [144.8]	133.4 [144.8]	133.4 [144.8]	
		kgf	13600 [14770]	13600 [14770]	13600 [14770]	
		lbf	29980 [32550]	29980 [32550]	29980 [32550]	
	ISO	kN	152.0 [165.0]	152.0 [165.0]	152.0 [165.0]	
		kgf	15500 [16830]	15500 [16830]	15500 [16830]	
		lbf	34170 [37100]	34170 [37100]	34170 [37100]	
Arm crowd force	SAE	kN	144.2 [156.5]	119.6 [129.9]	102.0 [110.7]	
		kgf	14700 [15960]	12200 [13250]	10400 [11290]	
		lbf	32410 [35190]	26900 [29210]	22930 [24900]	
	ISO	kN	151.0 [164.0]	125.5 [136.3]	106.9 [116.1]	
		kgf	15400 [16720]	12800 [13900]	10900 [11830]	
		lbf	33950 [36860]	28220 [30640]	24030 [26090]	

Note: Boom weight includes arm cylinder, piping and pin

Arm weight includes bucket cylinder, linkage and pin

Dimensions & Working Ranges

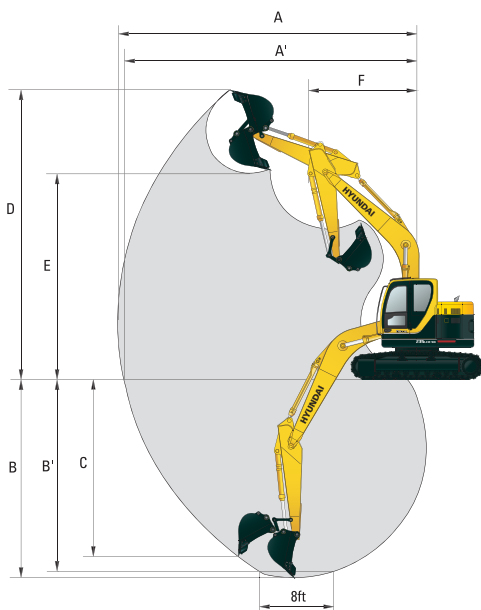
DIMENSIONS R235LCR-9A



mm (ft · in)		mm (ft · in)			
A Tumbler distance	3,650 (11' 12")	Boom length			
B Overall length of crawler	4,440 (14' 7")	5,680 (18' 8")			
C Ground clearance of counterweight	1,060 (3' 6")	Arm length			
D Tail swing radius	1,780 (6' 04")	2,000 (6' 7") 2,400 (7' 10") 2,920 (9' 7")			
D' Rear-end length	1,780 (6' 04")	I Overall length			
E Overall width of upperstructure	2,980 (9' 9")	9,040 (29' 8") 8,950 (29' 4") 8,910 (29' 3")			
F Overall height of cab	2,950 (9' 8")	J Overall height of boom			
G Min. ground clearance	480 (1' 7")	3,200 (10' 6") 3,100 (10' 2") 3,020 (9' 11")			
H Track gauge	2,390 (7' 10")	K Track shoe width			
		600 (24") 700 (28") 800 (32") 900 (36")			
		L Overall width			
		2,990 (9' 10") 3,090 (10' 2") 3,190 (10' 6") 3,290 (10' 10")			

WORKING RANGES R235LCR-9A

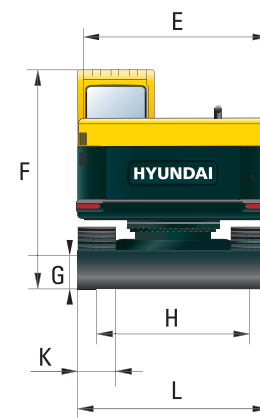
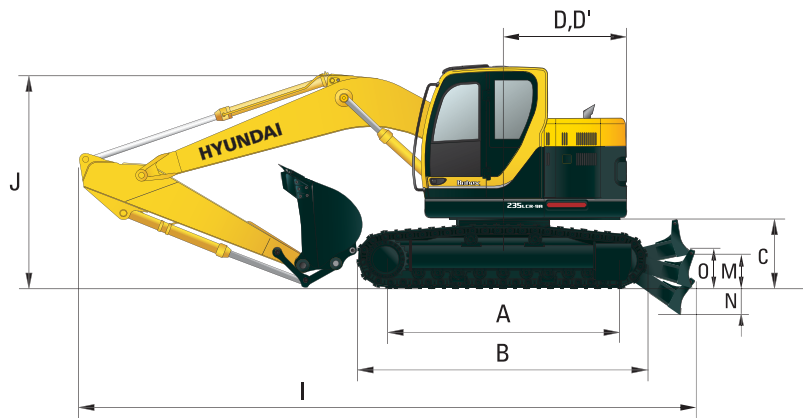
mm (ft · in)



Boom length	5,680 (18' 8")		
Arm length	2,000 (6' 7")	2,400 (7' 10")	2,920 (9' 7")
A Max. digging reach	9,040 (29' 8")	9,430 (30' 11")	9,910 (32' 6")
A' Max. digging reach on ground	8,860 (29' 1")	9,260 (30' 5")	9,750 (31' 12")
B Max. digging depth	5,780 (18' 12")	6,180 (20' 3")	6,700 (21' 12")
B' Max. digging depth (8' level)	5,550 (18' 3")	5,980 (19' 7")	6,530 (21' 5")
C Max. vertical wall digging depth	5,140 (16' 10")	5,710 (18' 9")	6,270 (20' 7")
D Max. digging height	10,090 (33' 1")	10,420 (34' 2")	10,830 (35' 6")
E Max. dumping height	7,190 (23' 7")	7,510 (24' 8")	7,890 (25' 11")
F Min. front swing radius	2,860 (9' 5")	2,550 (8' 4")	2,350 (7' 9")

Dimensions & Working Ranges

DIMENSIONS R235LCR-9A (DOZER TYPE)



mm (ft · in)

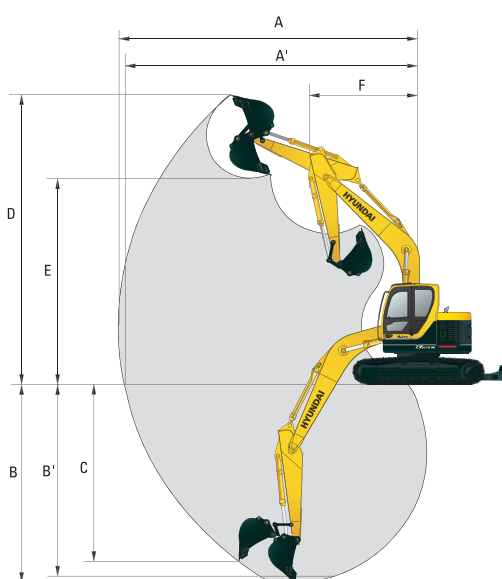
mm (ft · in)

A Tumbler distance	3,650 (11' 12")
B Overall length of crawler	4,440 (14' 7")
C Ground clearance of counterweight	1,060 (3' 6")
D Tail swing radius	1,780 (6' 04")
D' Rear-end length	1,780 (6' 04")
E Overall width of upperstructure	2,980 (9' 9")
F Overall height of cab	2,950 (9' 8")
G Min. ground clearance	480 (1' 7")
H Track gauge	2,390 (7' 10")
M Ground clearance of blade up	575 (1' 11")
N Depth of blade down	390 (1' 3")
O Height of blade	710 (2' 4")

Boom length	5,680 (18' 8")			
Arm length	2,000 (6' 7")	2,400 (7' 10")	2,920 (9' 7")	
I Overall length	10,020 (32' 10")	9,930 (32' 7")	9,890 (32' 5")	
J Overall height of boom	3,200 (10' 6")	3,100 (10' 2")	3,020 (9' 11")	
K Track shoe width	600 (24")	700 (28")	800 (32")	900 (36")
L Overall width	2,990 (9' 10")	3,090 (10' 2")	3,190 (10' 6")	3,290 (10' 10")

WORKING RANGES R235LCR-9A (DOZER TYPE)

mm (ft · in)













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A' Max. digging reach on ground	8,860 (29' 1")	9,260 (30' 5")	9,750 (31' 12")
B Max. digging depth	5,780 (18' 3")	6,180 (20' 3")	6,700 (21' 12")
B' Max. digging depth (8' level)	5,555 (18' 3")	5,980 (19' 7")	6,530 (21' 5")
C Max. vertical wall digging depth	5,140 (16' 10")	5,710 (18' 9")	6,270 (20' 7")
D Max. digging height	10,090 (33' 1")	10,420 (34' 2")	10,830 (35' 6")
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F Min. front swing radius	2,860 (9' 5")	2,550 (8' 4")	2,350 (7' 9")

Lifting Capacities











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 Rating over-front  Rating over-side or 360 degrees











Boom : 5.68 m (18' 8") / Arm : 2.00 m (6' 7") / Bucket : 0.80 m³ (1.05 yd³) SAE heaped / Shoe : 600 mm (24") triple grouser

Load point height m (ft)		Load radius								At max. reach	
		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		Capacity	Reach
											 m (ft)
10.5 m	kg									*4210	4.63
(35 ft)	lb									*9280	(15.2)
9.0 m	kg									*4630	4.48
(30 ft)	lb									*10210	(14.7)
7.5 m	kg			*4820	*4820					*4150	6.56
(25 ft)	lb			*10630	*10630					*9150	(21.5)
6.0 m	kg			*4980	*4980	*4590	*4590			*4050	7.70
(20 ft)	lb			*10980	*10980	*10120	*10120			*8930	(25.3)
4.5 m	kg	*8350	*8350	*5930	*5930	*4910	4570			*4050	8.36
(15 ft)	lb	*18410	*18410	*13070	*13070	*10820	10080			*8930	(27.4)
3.0 m	kg			*7310	6760	*5490	4310	*4620	2960	*4080	8.67
(10 ft)	lb			*16120	14900	*12100	9500	*10190	6530	*8990	(28.4)
1.5 m	kg			*8410	6250	*6040	4070	*4820	2860	*4130	8.66
(5 ft)	lb			*18540	13780	*13320	8970	*10630	6310	*9110	(28.4)
Ground Line	kg			*8720	6020	*6300	3910			*4150	8.36
	lb			*19220	13270	*13890	8620			*9150	(27.4)
-1.5 m	kg	*11480	*11480	*8320	5980	*6110	3860			*4070	7.69
(-5 ft)	lb	*25310	*25310	*18340	13180	*13470	8510			*8970	(25.2)
-3.0 m	kg	*9710	*9710	*7190	6090	*5140	3950			*3660	6.55
(-10 ft)	lb	*21410	*21410	*15850	13430	*11330	8710			*8070	(21.5)

Boom : 5.68 m (18' 8") / Arm : 2.40 m (7' 10") / Bucket : 0.80 m³ (1.05 yd³) SAE heaped / Shoe : 600 mm (24") triple grouser

Load point height m (ft)		Load radius								At max. reach	
		1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)	
											 m (ft)
9.0 m	kg									*4110	5.25
(30 ft)	lb									*9060	(17.2)
7.5 m	kg					*4280	*4280			*3820	7.07
(25 ft)	lb					*9440	*9440			*8420	(23.2)
6.0 m	kg					*4500	*4500	*4220	*4220	*3760	8.12
(20 ft)	lb					*9920	*9920	*9300	*9300	*8290	(26.6)
4.5 m	kg			*7270	*7270	*5450	*5450	*4600	*4600	*3950	8.74
(15 ft)	lb			*16030	*16030	*12020	*12020	*10140	*10140	*8710	(28.7)
3.0 m	kg			*11380	*11380	*6850	*6850	*5230	4350	*4420	9.04
(10 ft)	lb			*25090	*25090	*15100	*15100	*11530	9590	*9740	(29.7)
1.5 m	kg					*8100	6310	*5840	4080	*4690	9.03
(5 ft)	lb					*17860	13910	*12870	8990	*10340	(29.6)
Ground Line	kg			*9120	*9120	*8640	6000	*6210	3890	*4820	8.74
	lb			*20110	*20110	*19050	13230	*13690	8580	*10630	(28.7)
-1.5 m	kg	*9720	*9720	*12220	11860	*8450	5920	*6160	3810		8.12
(-5 ft)	lb	*21430	*21430	*26940	26150	*18630	13050	*13580	8400		(26.6)
-3.0 m	kg	*14180	*14180	*10550	*10550	*7550	5990	*5480	3850		7.06
(-10 ft)	lb	*31260	*31260	*23260	*23260	*16640	13210	*12080	8490		(23.2)
-4.5 m	kg			*7670	*7670	*5530	*5530				
(-15 ft)	lb			*16910	*16910	*12190	*12190				

Boom : 5.68 m (18' 8") / Arm : 2.92 m (9' 7") / Bucket : 0.80 m³ (1.05 yd³) SAE heaped / Shoe : 600 mm (24") triple grouser

Load point height m (ft)		Load radius								At max. reach	
		1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)	
											 m (ft)
9.0 m	kg					*2970	*2970			*3630	6.12
(30 ft)	lb					*6550	*6550			*8000	(20.1)
7.5 m	kg							*3310	*3310	*3460	7.70
(25 ft)	lb							*7300	*7300	*7630	(25.3)
6.0 m	kg							*3780	*3780	*3430	8.66
(20 ft)	lb							*8330	*8330	*7560	(28.4)
4.5 m	kg					*4810	*4810	*4190	*4190	*3860	9.24
(15 ft)	lb					*10600	*10600	*9240	*9240	*8510	(30.3)
3.0 m	kg			*9730	*9730	*6240	*6240	*4860	4410	*4150	9.52
(10 ft)	lb			*21450	*21450	*13760	*13760	*10710	9720	*9150	(31.2)
1.5 m	kg			*9500	*9500	*7650	6410	*5560	4110	*4490	9.52
(5 ft)	lb			*20940	*20940	*16870	14130	*12260	9060	*9900	(31.2)
Ground Line	kg			*9890	*9890	*8460	6010	*6050	3880	*4720	9.24
	lb			*21800	*21800	*18650	13250	*13340	8550	*10410	(30.3)
-1.5 m	kg	*8800	*8800	*12860	11680	*8530	5850	*6160	3760	*4690	8.66
(-5 ft)	lb	*19400	*19400	*28350	25750	*18810	12900	*13580	8290	*10340	(28.4)
-3.0 m	kg	*12230	*12230	*11440	*11440	*7900	5870	*5740	3750		7.69
(-10 ft)	lb	*26960	*26960	*25220	*25220	*17420	12940	*12650	8270		(25.2)
-4.5 m	kg			*8990	*8990	*6360	6050				6.11
(-15 ft)	lb			*19820	*19820	*14020	13340				(20.0)

- Lifting capacity is based on SAE J1097, ISO 10567.
- Lifting capacity of the Robex Series does not exceed 75% of the tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
- The load point is a hook located on the back of the bucket.
- (*) indicates the load limited by hydraulic capacity.

Lifting Capacities



R235LCR-9A (DOZER TYPE)

Rating over-front Rating over-side or 360 degrees

Boom : 5.68 m (18' 8") / Arm : 2.00 m (6' 7") / Bucket : 0.80 m³ (1.05 yd³) SAE heaped / Shoe : 600 mm (24") triple grouser, Dozer blade Down

Load point height m (ft)		Load radius								At max. reach	
		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		Capacity	Reach
10.5 m	kg									*4210	*4210
(35 ft)	lb									*9280	*9280
9.0 m	kg									*4630	*4630
(30 ft)	lb									*10210	*10210
7.5 m	kg			*4820	*4820					*4150	*4150
(25 ft)	lb			*10630	*10630					*9150	*9150
6.0 m	kg			*4980	*4980	*4590	*4590			*4050	3460
(20 ft)	lb			*10980	*10980	*10120	*10120			*8930	7630
4.5 m	kg	*8350	*8350	*5930	*5930	*4910	*4910			*4050	2920
(15 ft)	lb	*18410	*18410	*13070	*13070	*10820	*10820			*8930	6440
3.0 m	kg			*7310	*7310	*5490	4890	*4620	3380	*4080	2670
(10 ft)	lb			*16120	*16120	*12100	10780	*10190	7450	*8990	5890
1.5 m	kg			*8410	7130	*6040	4640	*4820	3280	*4130	2620
(5 ft)	lb			*18540	15720	*13320	10230	*10630	7230	*9110	5780
Ground Line	kg			*8720	6900	*6300	4480			*4150	2760
	lb			*19220	15210	*13890	9880			*9150	6080
-1.5 m	kg	*11480	*11480	*8320	6860	*6110	4430			*4070	3160
(-5 ft)	lb	*25310	*25310	*18340	15120	*13470	9770			*8970	6970
-3.0 m	kg	*9710	*9710	*7190	6980	*5140	4520			*3660	2620
(-10 ft)	lb	*21410	*21410	*15850	15390	*11330	9960			*8070	5870

Boom : 5.68 m (18' 8") / Arm : 2.00 m (6' 7") / Bucket : 0.80 m³ (1.05 yd³) SAE heaped / Shoe : 600 mm (24") triple grouser, Dozer blade Up

Load point height m (ft)		Load radius								At max. reach	
		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		Capacity	Reach
10.5 m	kg									*4210	*4210
(35 ft)	lb									*9280	*9280
9.0 m	kg									*4630	*4630
(30 ft)	lb									*10210	*10210
7.5 m	kg			*4820	*4820					*4150	*4150
(25 ft)	lb			*10630	*10630					*9150	*9150
6.0 m	kg			*4980	*4980	*4590	*4590			*4050	3250
(20 ft)	lb			*10980	*10980	*10120	*10120			*8930	7170
4.5 m	kg	*8350	*8350	*5930	*5930	*4910	4830			*4050	2730
(15 ft)	lb	*18410	*18410	*13070	*13070	*10820	10650			*8930	6020
3.0 m	kg			*7310	7140	*5490	4570	*4620	3160	*4080	2490
(10 ft)	lb			*16120	15740	*12100	10080	*10190	6970	*8990	5490
1.5 m	kg			*8410	6630	*6040	4330	*4820	3050	4060	2440
(5 ft)	lb			*18540	14620	*13320	9550	*10630	6720	8950	5380
Ground Line	kg			*8720	6400	*6300	4170			*4150	2570
	lb			*19220	14110	*13890	9190			*9150	5670
-1.5 m	kg	*11480	*11480	*8320	6360	*6110	4120			*4070	2950
(-5 ft)	lb	*25310	*25310	*18340	14020	*13470	9080			*8970	6500
-3.0 m	kg	*9710	*9710	*7190	6470	*5140	4210			*3660	2620
(-10 ft)	lb	*21410	*21410	*15850	14260	*11330	9280			*8070	5870













- Lifting capacity is based on SAE J1097, ISO 10567.
- Lifting capacity of the Robex Series does not exceed 75% of the tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
- The load point is a hook located on the back of the bucket.
- (*) indicates the load limited by hydraulic capacity.

Lifting Capacities













R235LCR-9A (DOZER TYPE)

 Rating over-front  Rating over-side or 360 degrees

Boom : 5.68 m (18' 8") / Arm : 2.40 m (7' 10") / Bucket : 0.80 m³ (1.05 yd³) SAE heaped / Shoe : 600 mm (24") triple grouser, Dozer blade Down

Load point height m (ft)		Load radius										At max. reach		
		1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		Capacity		Reach
														m (ft)
9.0 m	kg											*4110	*4110	5.25
(30 ft)	lb											*9060	*9060	(17.2)
7.5 m	kg					*4280	*4280					*3820	*3820	7.07
(25 ft)	lb					*9440	*9440					*8420	*8420	(23.2)
6.0 m	kg					*4500	*4500	*4220	*4220			*3760	3160	8.12
(20 ft)	lb					*9920	*9920	*9300	*9300			*8290	6970	(26.6)
4.5 m	kg			*7270	*7270	*5450	*5450	*4600	*4600	*3950	3510	*3770	2700	8.74
(15 ft)	lb			*16030	*16030	*12020	*12020	*10140	*10140	*8710	7740	*8310	5950	(28.7)
3.0m	kg			*11380	*11380	*6850	*6850	*5230	4920	*4420	3400	*3820	2480	9.04
(10 ft)	lb			*25090	*25090	*15100	*15100	*11530	10850	*9740	7500	*8420	5470	(29.7)
1.5 m	kg					*8100	7190	*5840	4650	*4690	3270	*3880	2420	9.03
(5 ft)	lb					*17860	15850	*12870	10250	*10340	7210	*8550	5340	(29.6)
Ground Line	kg			*9120	*9120	*8640	6880	*6210	4460	*4820	3170	*3930	2530	8.74
	lb			*20110	*20110	*19050	15170	*13690	9830	*10630	6990	*8660	5580	(28.7)
-1.5 m	kg	*9720	*9720	*12220	*12220	*8450	6790	*6160	4370			*3900	2870	8.12
(-5 ft)	lb	*21430	*21430	*26940	*26940	*18630	14970	*13580	9630			*8600	6330	(26.6)
-3.0 m	kg	*14180	*14180	*10550	*10550	*7550	6870	*5480	4420			*3650	3650	7.06
(-10 ft)	lb	*31260	*31260	*23260	*23260	*16640	15150	*12080	9740			*8050	8050	(23.2)
-4.5 m	kg			*7670	*7670	*5530	*5530							
(-15 ft)	lb			*16910	*16910	*12190	*12190							

Boom : 5.68 m (18' 8") / Arm : 2.40 m (7' 10") / Bucket : 0.80 m³ (1.05 yd³) SAE heaped / Shoe : 600 mm (24") triple grouser, Dozer blade Up

Load point height m (ft)		Load radius										At max. reach			
		1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		Capacity		Reach	
														m (ft)	
9.0 m	kg												*4110	*4110	5.25
(30 ft)	lb												*9060	*9060	(17.2)
7.5 m	kg					*4280	*4280						*3820	*3820	7.07
(25 ft)	lb					*9440	*9440						*8420	*8420	(23.2)
6.0 m	kg					*4500	*4500	*4220	*4220				*3760	2960	8.12
(20 ft)	lb					*9920	*9920	*9300	*9300				*8290	6530	(26.6)
4.5 m	kg			*7270	*7270	*5450	*5450	*4600	*4600	*3950	3280		*3770	2520	8.74
(15 ft)	lb			*16030	*16030	*12020	*12020	*10140	*10140	*8710	7230		*8310	5560	(28.7)
3.0m	kg			*11380	*11380	*6850	*6850	*5230	4610	*4420	3170		*3820	2300	9.04
(10 ft)	lb			*25090	*25090	*15100	*15100	*11530	10160	*9740	6990		*8420	5070	(29.7)
1.5 m	kg					*8100	6690	*5840	4340	*4690	3050		*3780	2250	9.03
(5 ft)	lb					*17860	14750	*12870	9570	*10340	6720		*8330	4960	(29.6)
Ground Line	kg			*9120	*9120	*8640	6380	*6210	4150	*4820	2950		*3930	2360	8.74
	lb			*20110	*20110	*19050	14070	*13690	9150	*10630	6500		*8660	5200	(28.7)
-1.5 m	kg	*9720	*9720	*12220	*12220	*8450	6300	*6160	4070				*3900	2670	8.12
(-5 ft)	lb	*21430	*21430	*26940	*26940	*18630	13890	*13580	8970				*8600	5890	(26.6)
-3.0 m	kg	*14180	*14180	*10550	*10550	*7550	6370	*5480	4110				*3650	3410	7.06
(-10 ft)	lb	*31260	*31260	*23260	*23260	*16640	14040	*12080	9060				*8050	7520	(23.2)
-4.5 m	kg			*7670	*7670	*5530	*5530								
(-15 ft)	lb			*16910	*16910	*12190	*12190								

- Lifting capacity is based on SAE J1097, ISO 10567.
- Lifting capacity of the Robex Series does not exceed 75% of the tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
- The load point is a hook located on the back of the bucket.
- (*) indicates the load limited by hydraulic capacity.













Lifting Capacities















R235LCR-9A (DOZER TYPE)

Rating over-front Rating over-side or 360 degrees

Boom : 5.68 m (18' 8") / Arm : 2.92 m (9' 7") / Bucket : 0.80 m³ (1.05 yd³) SAE heaped / Shoe : 600 mm (24") triple grouser, Dozer blade Down

Load point height m (ft)		Load radius										At max. reach		
		1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		Capacity		Reach
														m (ft)
9.0 m	kg					*2970	*2970					*3630	*3630	6.12
(30 ft)	lb					*6550	*6550					*8000	*8000	(20.1)
7.5 m	kg							*3310	*3310			*3460	*3460	7.70
(25 ft)	lb							*7300	*7300			*7630	*7630	(25.3)
6.0 m	kg							*3780	*3780			*3430	2830	8.66
(20 ft)	lb							*8330	*8330			*7560	6240	(28.4)
4.5 m	kg					*4810	*4810	*4190	*4190	*3860	3560	*3460	2440	9.24
(15 ft)	lb					*10600	*10600	*9240	*9240	*8510	7850	*7630	5380	(30.3)
3.0m	kg			*9730	*9730	*6240	*6240	*4860	*4860	*4150	3420	*3520	2250	9.52
(10 ft)	lb			*21450	*21450	*13760	*13760	*10710	*10710	*9150	7540	*7760	4960	(31.2)
1.5 m	kg			*9500	*9500	*7650	7300	*5560	4680	*4490	3270	*3590	2200	9.52
(5 ft)	lb			*20940	*20940	*16870	16090	*12260	10320	*9900	7210	*7910	4850	(31.2)
Ground Line	kg			*9890	*9890	*8460	6890	*6050	4450	*4720	3140	*3650	2280	9.24
	lb			*21800	*21800	*18650	15190	*13340	9810	*10410	6920	*8050	5030	(30.3)
-1.5 m	kg	*8800	*8800	*12860	*12860	*8530	6730	*6160	4320	*4690	3080	*3670	2540	8.66
(-5 ft)	lb	*19400	*19400	*28350	*28350	*18810	14840	*13580	9520	*10340	6790	*8090	5600	(28.4)
-3.0 m	kg	*12230	*12230	*11440	*11440	*7900	6750	*5740	4320			*3560	3120	7.69
(-10 ft)	lb	*26960	*26960	*25220	*25220	*17420	14880	*12650	9520			*7850	6880	(25.2)
-4.5 m	kg			*8990	*8990	*6360	*6360					*2980	*2980	6.11
(-15 ft)	lb			*19820	*19820	*14020	*14020					*6570	*6570	(20.0)

Boom : 5.68 m (18' 8") / Arm : 2.92 m (9' 7") / Bucket : 0.80 m³ (1.05 yd³) SAE heaped / Shoe : 600 mm (24") triple grouser, Dozer blade Up

Load point height m (ft)		Load radius										At max. reach		
		1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		Capacity		Reach
														m (ft)
9.0 m	kg					*2970	*2970					*3630	*3630	6.12
(30 ft)	lb					*6550	*6550					*8000	*8000	(20.1)
7.5 m	kg							*3310	*3310			*3460	3370	7.70
(25 ft)	lb							*7300	*7300			*7630	7430	(25.3)
6.0 m	kg							*3780	*3780			*3430	2650	8.66
(20 ft)	lb							*8330	*8330			*7560	5840	(28.4)
4.5 m	kg					*4810	*4810	*4190	*4190	*3860	3330	*3460	2270	9.24
(15 ft)	lb					*10600	*10600	*9240	*9240	*8510	7340	*7630	5000	(30.3)
3.0m	kg			*9730	*9730	*6240	*6240	*4860	4670	*4150	3200	3510	2090	9.52
(10 ft)	lb			*21450	*21450	*13760	*13760	*10710	10300	*9150	7050	7740	4610	(31.2)
1.5 m	kg			*9500	*9500	*7650	6790	*5560	4370	*4490	3050	3450	2040	9.52
(5 ft)	lb			*20940	*20940	*16870	14970	*12260	9630	*9900	6720	7610	4500	(31.2)
Ground Line	kg			*9890	*9890	*8460	6390	*6050	4140	*4720	2920	3590	2120	9.24
	lb			*21800	*21800	*18650	14090	*13340	9130	*10410	6440	7910	4670	(30.3)
-1.5 m	kg	*8800	*8800	*12860	12390	*8530	6240	*6160	4020	*4690	2860	*3670	2360	8.66
(-5 ft)	lb	*19400	*19400	*28350	27320	*18810	13760	*13580	8860	*10340	6310	*8090	5200	(28.4)
-3.0 m	kg	*12230	*12230	*11440	*11440	*7900	6250	*5740	4010			*3560	2910	7.69
(-10 ft)	lb	*26960	*26960	*25220	*25220	*17420	13780	*12650	8840			*7850	6420	(25.2)
-4.5 m	kg			*8990	*8990	*6360	*6360					*2980	*2980	6.11
(-15 ft)	lb			*19820	*19820	*14020	*14020					*6570	*6570	(20.0)

- Lifting capacity is based on SAE J1097, ISO 10567.
- Lifting capacity of the Robex Series does not exceed 75% of the tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
- The load point is a hook located on the back of the bucket.
- (*) indicates the load limited by hydraulic capacity.

STANDARD EQUIPMENT R235LCR-9A

ISO Standard cabin

All-weather steel cab with 360° visibility
Safety glass windows
Rise-up type windshield wiper
Sliding fold-in front window
Sliding side window (LH)
One key fits all lockable doors
Hot & cool box
Storage compartment & Ashtray
Transparent cabin roof-cover
Radio / MP3 Player with remote control and USB-input
Handsfree mobile phone system with USB-charging device,
12 volt power outlet (24V DC to 12V DC converter)
Sun visor

Cabin ROPS (ISO 12117-2)

ROPS (Roll Over Protective Structure)
Computer aided power optimization (CAPO) system

3-power modes, 2-work modes, User mode
Auto & one-touch deceleration system
Auto warm-up system
Auto Overheat prevention system

Automatic temperature control

Air conditioner & heater
Defroster

Self-diagnostics system

Starting Aid (air grid heater) for cold weather

Centralized monitoring

LCD display
Engine speed or Trip meter/Accel.
Clock
Gauges
- Fuel level gauge
- Engine coolant temperature gauge
- Hyd. oil temperature gauge
Warning lamps
- Engine warning
- Overload
- Communication error
- Low battery
- Air filter clogging
Indicators
- Max power
- Low speed/High speed
- Fuel warmer
- Auto deceleration

Three outside rearview mirrors

Mechanical suspension seat with heater

Adjustable joysticks

Console box height adjust system

Four frontal working lights

Electric horn

Batteries (2 x 12V x 100 AH)

Battery master switch

Removable clean-out screen for coolers

Automatic swing brake

Removable reservoir tank

Fuel pre-filter with fuel warmer

Boom holding system

Arm holding system

Track shoes (600 mm; 24")

Track rail guard

Accumulator for lowering work equipment

Electric transducer

Lower frame under cover

Viscous fan clutch

OPTIONAL EQUIPMENT R235LCR-9A

Fuel filler pump (50 ℓ/min)

Beacon lamp

Safety lock valve for boom cylinder with overload warning device

Safety lock valve for arm cylinder

Single-acting piping kit (breaker, etc.)

Double-acting piping kit (clamshell, etc.)

Quick coupler

Travel alarm

Boom

5.68 m; 18' 8"

Arms

2.0 m; 6' 7"

2.4 m; 7' 10"

2.92 m; 9' 7"

Cabin lights

Cabin rain guard - front window

Track shoes

700 mm; 28"

800 mm; 32"

900 mm; 36"

Additional lower frame - reinforced under cover

Long crawler lower frame

Long crawler & Front dozer lower frame

Tool kit

Rearview camera

Pattern change valve (2 patterns)

Hi-mate (Remote Management System)

Cabin FOPS/FOG (ISO/DIS 10262)-Level II

FOPS (Falling Object Protective Structure)

FOG (Falling Object Guard)

- * Standard and optional equipment may vary. Contact your Hyundai dealer for more information. The machine may vary according to international standards.
- * The photos may include attachments and optional equipment that are not available in your area.
- * Materials and specifications are subject to change without advance notice.
- * All imperial measurements rounded off to the nearest pound or inch.

PLEASE CONTACT

 **HYUNDAI**
HEAVY INDUSTRIES EUROPE
CONSTRUCTION EQUIPMENT

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