





*Photo may include optional equipment.







Specifications

ENGINE

MODEL			CUMMINS QSB6.7		
Туре			Water cooled, 4 cycle Diesel, 6-Cylinders in line, direct injection, turbocharged with air cooler.		
D-tI	SAE	J1995 (gross)	151 HP (113 kW) / 1,900 rpm		
Rated flywheel	SAE	J1349 (net)	143 HP (107 kW) / 1,900 rpm		
horse power	DIN	6271/1 (gross)	153 PS (113 kW) / 1,900 rpm		
noise power	DIN	6271/1 (net)	145 PS (107 kW) / 1,900 rpm		
Max. torque	Max. torque		63.6 kgf.m (460 lbf.ft) / 1,500 rpm		
Bore x stroke			107 x 124 mm (4.2" x 4.9")		
Piston displace	Piston displacement		6,700 cc (409 in³)		
Batteries			2 X 12V X 100AH		
Starting motor	Starting motor		24 V - 4.5 kW		
Alternator			24 V - 70 Amp		

HYDRAULIC SYSTEM

MAIN PUMP	
Туре	Two variable displacement piston pumps
Max. flow	2 X 222 ℓ/min (48.8 UK gpm)
Pilot pump	Gear pump
Cross-sensing and fuel saving pump	system
HYDRAULIC MOTORS	
Toronal	Two speed axial piston motors
Travel	with brake valve and parking brake
Swing	Axial piston motor with automatic brake
RELIEF VALVE SETTING	
Implement circuits	350 kgf/cm² (4,980 psi)
Travel	350 kgf/cm² (4,980 psi)
Power boost (boom, arm, bucket)	380 kgf/cm² (5,410 psi)
Swing circuit	285 kgf/cm² (4,050 psi)
Pilot circuit	40 kgf/cm² (570 psi)
Service valve	Installed
HYDRAULIC CYLINDERS	-
	Boom: 2 - 120 x 1,290 mm (4.7" x 50.8")
No. of cylinder - bore x stroke	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	21,100 kgf (46,517 lbf)			
Max. travel speed (high / low)	5.3 km/hr (3.3 mph) / 3.4 km/hr (2.1 mph)			
Grade-ability	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	Axial piston 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	UK gal
Fuel tank	320	70.4
Engine coolant	35	7.7
Engine oil	24	5.3
Swing device	5	1.1
Travel motor (each)	5.8	1
Hydraulic system (including tank)	275	60.5
Hydraulic tank	160	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 track plates on each side	49 EA
No. of upper rollers on each side	2 EA
No. of lower rollers on each side	9 EA
No. of track 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 $0.92\ m^3$ (1.20 yd³) bucket, lubricant, coolant, full fuel tank, full hydraulic tank, and all standard equipment.

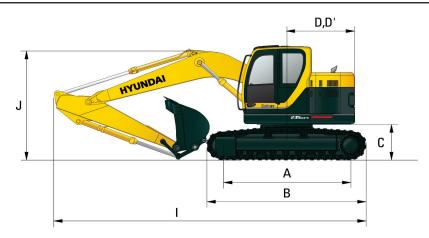
MAJOR COMPONENT WEIGHT Upperstructure Boom (with arm cylinder) 1,950 kg (4,300 lb) Arm (with bucket cylinder) 1,095 kg (2,410 lb)

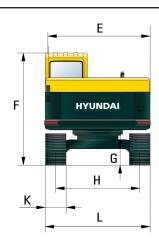
OPERATING WEIGHT				
Shoes (Triple grouser)		Operating weight	Ground pressure	
Туре	Width mm (in)	kg (lb)	kgf/cm² (psi)	
R235LCR-9	600 (20")	23,800 (52,470)	0.51 (7.25)	
R235LCR-9 (dozer type)	600 (20")	25,300 (55,777)	0.54 (7.71)	
R235LCR-9	700 (24")	24,150 (53,240)	0.44 (6.26)	
R235LCR-9 (dozer type)	700 (24")	25,650 (56,549)	0.47 (6.65)	
R235LCR-9	900 (39")	24,415 (53,830)	0.39 (5.55)	
R235LCR-9 (dozer type)	800 (28")	25,915 (57,133)	0.41 (5.89)	
R235LCR-9	000 (22")	24,680 (54,410)	0.35 (4.98)	
R235LCR-9 (dozer type)	900 (32")	26,180 (57,717)	0.37 (5.28)	



Dimensions & Working Ranges

DIMENSIONS R235LCR-9





mm (ft \cdot in)

A Tumbler distance	3650 (11′ 12″)
B Undercarriage length	4440 (14′ 7″)
C Ground clearance of counterweight	1060 (3′ 6″)
D Tail swing radius	1680 (5′ 6″)
D' Rear-end length	1680 (5′ 6″)
E Overall width of upperstructure	2980 (9′ 9″)
F Overall height of cabin	2950 (9′ 8″)
G Min. ground clearance	480 (1′ 7″)
H Track gauge	2390 (7′ 10″)

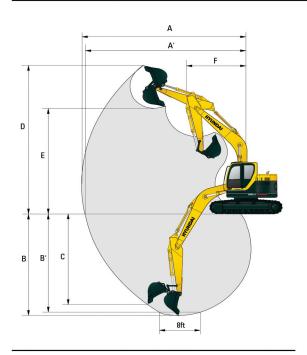
	Boom length	
	Arm length	2400 (7′ 10″)
ı	Overall length	8950 (29′ 4″)
J	Overall height of boom	3100 (10′ 2″)
K	Track shoe width	700 (28")
L	Overall width	3090 (10′ 2″)

5680 (18' 8")

5680 (18' 8")

WORKING RANGES R235LCR-9

mm (ft \cdot in)



Boom length	
Arm length	2400 (7′ 10″)
A Max. digging reach	9430 (30′ 11″)
A' Max. digging reach on ground	9260 (30′ 5″)
B Max. digging depth	6180 (20′ 3″)
B' Max. digging depth (8' level)	5980 (19′ 7″)
c Max. vertical wall digging depth	5710 (18′ 9″)
D Max. digging height	10420 (34′ 2″)
E Max. dumping height	7510 (24′ 8″)
F Min. front swing radius	2550 (8′ 4″)





Lifting Capacities

R235LCR-9

Rating over-front Rating over-side or 360 degrees

		Load radius										At max. reach		
Load point height m (ft)		1.5 m (5 ft) 3.0 m (1		10 ft) 4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		Capacity		Reach		
				p#						· ·				m (ft)
9.0 m	kg							UC1100000 - UC10000 1000 TEACHOUT 1				*4110	*4110	5.25
(30 ft)	lb											*9060	*9060	(17.2)
7.5 m	kg					*4280	*4280					*3820	3670	7.07
(25 ft)	lb					*9440	*9440		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			*8420	8090	(23.2)
6.0 m	kg					*4500	*4500	*4220	*4220			*3760	2780	8.12
(20 ft)	lb					*9920	*9920	*9300	*9300			*8290	6130	(26.6)
4.5 m	kg			*7270	*7270	*5450	*5450	*4600	*4600	*3950	3080	*3770	2350	8.74
(15 ft)	lb			*16030	*16030	*12020	*12020	*10140	*10140	*8710	6790	*8310	5180	(28.7)
3.0m	kg			*11380	*11380	*6850	*6850	*5230	4350	*4420	2980	*3820	2150	9.04
(10 ft)	lb	200000000000000000000000000000000000000	2000 100 100 - 100 CO 100 CO	*25090	*25090	*15100	*15100	*11530	9590	*9740	6570	*8420	4740	(29.7)
1.5 m	kg					*8100	6310	*5840	4080	*4690	2850	3850	2090	9.03
(5 ft)	lb					*17860	13910	*12870	8990	*10340	6280	8490	4610	(29.6)
Ground	kg			*9120	*9120	*8640	6000	*6210	3890	*4820	2750	*3930	2190	8.74
Line	lb			*20110	*20110	*19050	13230	*13690	8580	*10630	6060	*8660	4830	(28.7)
-1.5 m	kg	*9720	*9720	*12220	11860	*8450	5920	*6160	3810			*3900	2490	8.12
(-5 ft)	lb	*21430	*21430	*26940	26150	*18630	13050	*13580	8400			*8600	5490	(26.6)
-3.0 m	kg	*14180	*14180	*10550	*10550	*7550	5990	*5480	3850			*3650	3190	7.06
(-10 ft)	lb	*31260	*31260	*23260	*23260	*16640	13210	*12080	8490			*8050	7030	(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.





STANDARD EQUIPMENT

Stanc		

All-weather steel cab with all-around visibility

Safety glass windows

Raise-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 / USB player

Handsfree mobile phone system with USB-charging device

Sun visor

12 volt power outlet (24V DC to 12V DC converter)

Computer aided power optimization system (CAPO)

3-power modes, 3-work modes, User mode Auto & one-touch deceleration system

Auto warm-up system

Overheat prevention system

Automatic temperature control

Air conditioner & heater

Defroster

Self-diagnostics system

Starting Aid (air grid heater) for cold weather

LCD-display

Engine speed or Trip meter

Clock

Gauges

- Fuel level gauge
- Engine coolant temperature gauge
- Hyd. oil temperature gauge

Warning lamps

- Engine warning
- Communication error
- Low battery
- Air filter clogging

Indicators

- Max power
- Fuel warmer
- Auto deceleration

Door and cab locks, one key fits all

Two outside rearview mirrors

Mechanical suspension seat with heater

Adjustable joysticks Console box tilting system

Four frontal working lights

Electric horn

Batteries (2 x 12V x 100 AH)

Battery master switch

Removable clean-out screen for oil cooler 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 Viscous fan clutch

Accumulator for lowering work equipment

Lower frame under cover (normal)

- * 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		



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