



ROBEX 800LC-7A

Standard Equipment

ISO standard cab

- All-weather steel cab with all-around visibility
- Safety glass windows
- Raise-up type windshield wiper
- Sliding fold-in front window
- Sliding side window
- Lockable door
- Hot & cool box
- Accessory box & Ash-tray
- AM/FM radio and cassette
- Radio remote switch
- CD player

Computer Aided Power Optimization (New CAPO) system

- 2-power mode, 3-work mode, 2-user mode
- Auto deceleration & one touch deceleration system
- Auto warm up system
- Auto overheat prevention system

FATC (Full Automatic Temperature Control)

Heater & Defroster

Self diagnostic system

Centralized monitoring

- LCD display
- Engine speed
- Clock & Error code
- Gauges
- Fuel level gauge
- Engine coolant temperature gauge
- Hyd. oil temperature gauge
- Warning
- Fuel level
- Check Engine & CPU
- Engine oil pressure
- Engine coolant temperature
- Hyd. oil temperature
- Low battery
- Air cleaner clogging
- Indicator
- Power boost.
- Engine warming-up
- Auto(One touch) decel
- Preheat (Air grille heater)

Door and cab locks, one key

Two outside rearview mirrors

Fully adjustable suspension seat with seat belt

Slidable joystick, pilot-operated

Console box tilting system (LH.)

10EA Front working light

3EA Rear working light

Electric horn

Batteries (4 x 12V x 200AH)

Battery master switch

Removable reservoir tank

Automatic swing brake

Water separator & Fuel pre-filter, Fuel line

Boom holding system

Arm holding system

Adjustable air suspension seat

Counterweight (12500kg, 27560lb)

Boom (7.2m, 23' 7")

Arm (2.95m, 9' 8")

Track shoes (700mm, 28" / Double grouser)

Track rail guard

Travel alarm

Catwalk

Fuel warmer

Optional Equipment

Sun visor for cabin inside

Fuel filler pump (50 l/min, 13.2USgpm)

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)

Accumulator, work equipment lowering

12 volt power supply (24V DC-12V DC converter)

Electric transducer

Air-conditioner(5000kcal/hr, 20000BTU/hr)

Heater (7500kcal/hr, 30000BTU/hr)

Various optional Booms

Long boom (8.05m, 26' 5")

Long boom (8.2m, 26' 11")

Various optional Arms

Long arm (3.4m, 11' 2")

Long arm (3.6m, 11' 8")

Various optional Buckets (SAE heaped)

Standard bucket (4.53m³, 5.93yd³)

Narrow bucket (3.40m³, 4.45yd³)

Light duty bucket (4.80m³, 6.28yd³)

Light duty bucket (5.10m³, 6.67yd³)

Rock bucket (3.40m³, 4.45yd³)

Cabin lights

FOPS / FOG(ISO 10262)

Cabin Roof-Cover Transparent

Track shoes

Double grouser shoe (800mm, 32")

Double grouser shoe (900mm, 35")

Preheating system

Tool kit

Operator suit

Special cowl

Tropical kit

Seat

Mechanical Suspension seat with heater

Adjustable air suspension seat with heater



Some of the photo may include optional equipment.

Robex CRAWLER EXCAVATOR Applied Tier 3 Engine

800LC-7A

Standard and optional equipment may vary. Contact your Hyundai dealer for more information. The machine shown may vary according to International standards.
All US measurement rounded off to nearest pounds or inches.

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HYUNDAI
HEAVY INDUSTRIES CO.,LTD.

We build a better future

**Built for Maximum Power,
Performance, Reliability.**

A new chapter in construction equipment has now begun.
Making the dream a reality.

Robex **800LC-7A**



Operator's Comfort is Foremost.
Wide Cab Exceeds Industry Standards.

Technology in Cab Design



Visibility

- Even more visibility than before, for safer, more efficient operating.



Excellent Ventilation

- Ventilation has been improved by the addition of the larger fresh air intake system, and by providing additional air flow throughout the cab.
- Sliding front and side windows provide improved ventilation.
- A large sunroof offers upward visibility and additional ventilation.



Comfortable Operator Environment

- The control levers and seat can be adjusted to provide maximum operator comfort.
- The seat is fully adjustable for optimum operating position, reducing operator fatigue.
- Console boxes slide forward and backward for improved accessibility.
- The proportional pressure controls reduce unnecessary exertion while ensuring precise operation.
- Large windows allow excellent visibility in all directions.



Low noise design

- The Robex 7series was designed with low operation noise in mind.
- Hyundai engineering helps to keep interior and exterior noise levels to a minimum.
- The cab's noise levels have been additionally reduced by improving the door seals for the cab and engine compartments.
- An insulated diesel engine compartment with sound-damping material also reduces noise.



- 1 Wide, Comfortable Operating Space
- 2 FOPS(Falling Object Protective Structure)
FOG(Falling Object Guard)
- 3 Dial Type Engine Speed Switch and / Key Switch

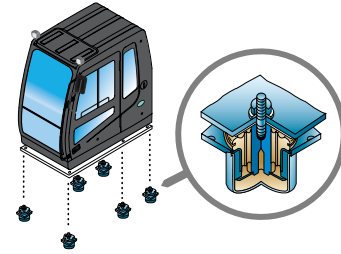
Remote Radio Control and Deluxe Cassette



Robex 800LC-7A



Improved Intelligent Display
Instrument Panel is installed in front of RH console box. It is easy to check all critical systems with easy-to-read indicators.



Minimization of Shock and Vibration through Cab Mounting System
The application of Viscous Mounting to the cabin support provides the operator with a much improved ride. The operator work efficiency will increase as the shock and noise level in the cabin decreases.



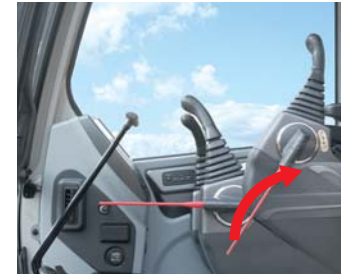
Operating Environment

Maximum Protection



▲ Storage box and Cup Holder
An Additional storage box and cup holder are located behind operator's seat, and it keeps food and beverages cool or hot.

◀ Wide Cab with Excellent Visibility
The cab is roomy and ergonomically designed with low noise level and good visibility. A full view front window and large rear and side windows provide excellent visibility in all directions.



Highly Sensitive Joystick and Easy Entrance
New joystick grips for precise control have been equipped with 4 switches.

Left	Power boost One touch deceleration Dummy
Right	Horn/Optional/Dummy



Easy-to-Reach Control Panels
Switches and other essential controls are located near the operator. This helps keep operator movement to a minimum, enhancing control with less operator fatigue.



Rear Emergency Exit Window
Rear Exit Window is designed with easy exit for operator's safety.



Raise-up Wiper and Cabin Lights
Raise-up wiper has enhanced for the better front view. Cabin Lights enhances safety by brightly lighting the surroundings during night work



Wide, Comfortable Operating Space
All the controls are designed and positioned according to the latest ergonomic research. Reinforced pillars have also been added for greater cab rigidity.

Smooth Travel Pedal and Foot Rests



The best working conditions in a pleasant environment.

- ① Centralized control panel
- ② Horn button
- ③ Option button
- ④ Remote Radio control
- ⑤ Travel lever
- ⑥ Cluster
- ⑦ One touch decel button
- ⑧ Hour meter
- ⑨ Travel pedal
- ⑩ Fully adjustable suspension seat
- ⑪ Safety lever
- ⑫ Power boost button
- ⑬ Joystick control lever
- ⑭ Air Conditioner and Heater controller



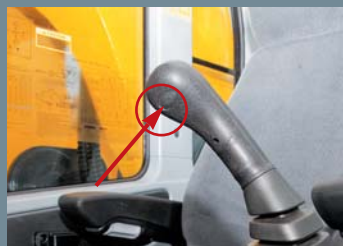
Automatic Engine Overheat Prevention

If the engine coolant temperature gets too high, the CPU controller lowers the engine speed and cools the engine.



Anti Restart System

The new system protects the starter from re-starting during engine operation, even if the operator accidentally turns the start key again.



Power boost control System

When the power boost system is activated, digging power increases about 10%. It is especially useful when extra power is temporarily needed, for instance, when digging hard earth and rock, or if the bucket teeth are stopped by a stubborn tree root.



Automatic Warming-up System

After the engine is started, if the engine coolant temperature is low, the CPU controller increases the engine speed and automatically increases the pump flow rate to warm up the engine more effectively.

CUMMINS QSX15 Engine

The six cylinders, turbo-charged, 4 cycle, Charger air cooled engine is built for power, reliability, economy and low emissions. This engine meets Tier 3 emissions regulations.

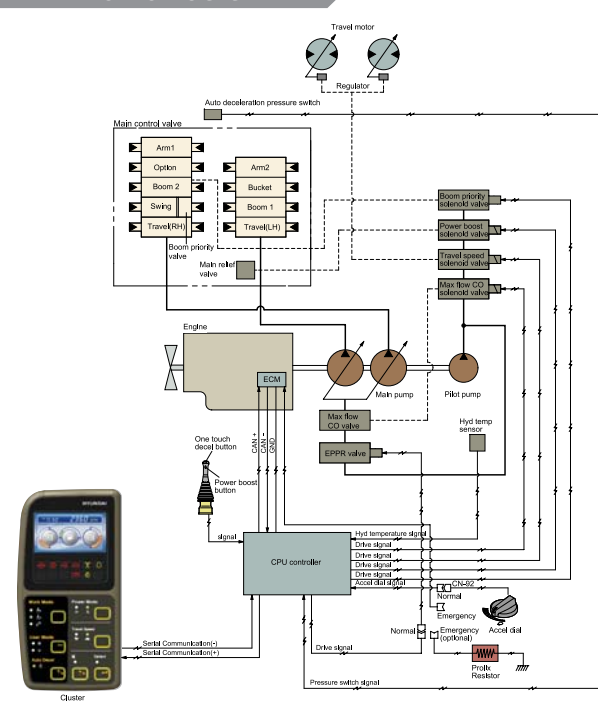


Setting the standard in clean, efficient power.

The QSX15 features dual overhead cams for superior performance. The first cam drives up to 30,000 psi (2,000 bar) of fuel injection for cleaner, more powerful combustion. The second cam operates the intake and exhaust valves, with a separate set of lobes specifically designed to operate the optional interbrake,™ capable of up to 400hp (298kW). Improved power cylinder components provide up to 40% longer life before cylinder wear out. A patented wastegated turbo with variable step settings delivers maximum performance without over boost at high speeds and increased airflow at lower speed for improved responsiveness.

Advanced Hydraulic System

ADVANCED CAPO SYSTEM



The advanced CAPO(Computer Aided Power Optimization) system maintains engine and mutual pump power at optimum levels. Mode selections are designed for various work loads and maintaining high performance while reducing fuel consumption. Features such as auto deceleration and power boost are included in the system. The system monitors engine speed, coolant temperature, and hydraulic oil temperature. Contained within the system are self diagnostic capabilities which are displayed by error codes on the cluster.

Self Diagnosis System

The CPU controller diagnoses problems in the CAPO system caused by electric and hydraulic malfunctions and displays them on the LCD monitor of the cluster through error codes. This controller has the capacity to identify 48 distinct types of errors. As the information from this device, such as engine rpm, main pump delivery pressure, battery voltage, hyd. temperature, and the state of all types of electric switches, provides the operator with a much more exact state of machine operating condition. This makes the machine easier to troubleshoot when anything does go wrong.

One Touch Decel System

When the one touch decel switch is pressed, CPU controller controls the accel actuator to reduce engine speed to 800 rpm. And then the one touch decel switch is pressed again, the engine speed recovers.

Pump Flow Control System

In neutral position: Pump flow is reduced to a minimum to eliminate power loss. In operation: Maximum pump flow is delivered to the actuator to increase the speed. With movement of the control lever, pump flow is automatically adjusted and the actuator speed can be proportionally controlled.

Boom & Arm Holding System

The Holding valves in the main control valve prevents the boom & arm from dropping over an extended period in neutral position.

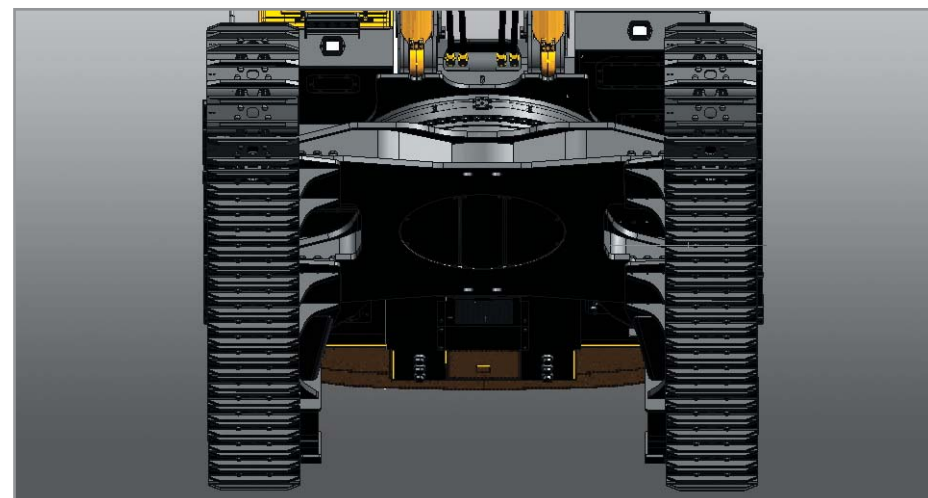
Arm Flow Regeneration System

Arm flow regeneration valve provides smooth arm-in operation without cavitation.

Hydraulic Damper in Travel Pedal

Improved travel controllability & feeling by shock reducing when starting and stopping.

Increased Higher Performance



Reinforced Bucket and Bucket Linkage

Sealed and adjustable bucket linkage provides less wear of pins and bushes as well as silent operation. The design includes bucket link durability and anti wear characteristics. Additional reinforcement plates on cutting edge section. Reinforced bucket is made with thicker steel and additional lateral plate.



Strong and Stable Lower Frame(Adjustable track frame)

Reinforced box-section frame is all welded, low-stress, high-strength steel. It guarantees safety and resistance against external impact when driving on rough ground and working on wet sites through high tensile strength steel panels, with highly durable upper and lower rollers and track guards. Long undercarriage incorporates heavy duty excavator style components. X-leg type center frame is integrally welded for maximum strength and durability.



Track Rail Guide & Adjusters

Durable track rail guides keep track links in place. Track adjustment is made easy with standard grease cylinder track adjusters and shock absorbing springs. (Full Track Guide : Option)

NEW MODE CONTROL SYSTEM



- 1 POWER MODE**
H mode: High power S mode: Standard power
- 2 WORK MODE**
Heavy duty work General work Breaker
- 3 USER MODE**
M mode: Maximum Power
U mode : Memorizing Operator's Preferable Power Setting

Auto Deceleration System



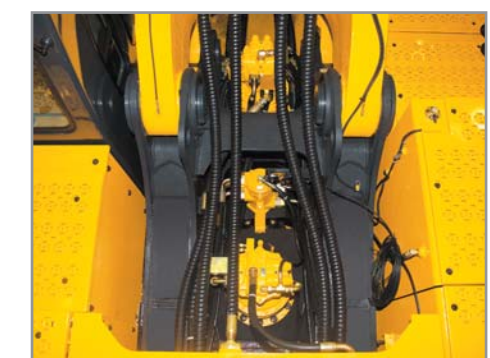
When remote-control valves are in neutral position more than 4 seconds, CPU controller instructs the accel actuator to reduce engine speed to 1,150rpm. This decreases fuel consumption and reduces cab noise levels.

Max. Flow Cut-off System

For precise control and finishing work, the Max. Flow Cut-off System reduces pump flow, thus allowing smooth operation.

Powerful and Preciser Swing Control

Improved shock absorbing characteristics make stopping a precise and smooth action



Full open doors and master key system provide easy access for servicing.

Reliability & Serviceability



Side Cover with Left & Right Swing Open Type

Easy access to vital components gives unrestricted view of component allows easy maintenance and repair.



Easy to maintain engine components

The cooling and preheating system are provided for optimum and immediate operation, guaranteeing longer life for the engine and hydraulic components. Servicing of the engine and hydraulics is considerably simplified due to total accessibility.



Centralized Electric Control Box and Easy Change Air Cleaner Assembly

Electric control box and Air cleaner are centralized in one or the same compartment for easy service.

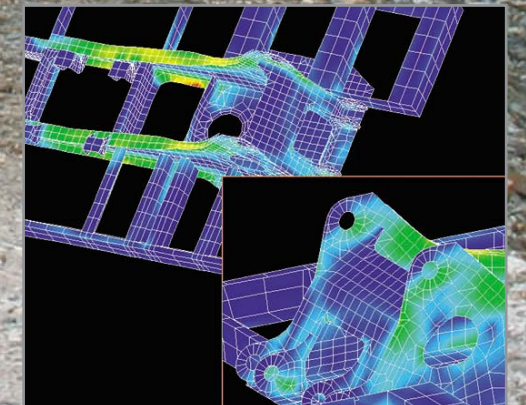


Highly efficient Hydraulic Pump

Pump output capacity has been increased.



Large tool box for extra storage



Durability of structure proven through FEM (Finite Element Method) analysis and long term durability test.

Engine

Model		Cummins QSX 15	
Type		Watercooled, 4 cycle Diesel, 6-Cylinders in line, direct injection, Turbocharged, Charger air cooled, Low emission	
Rated flywheel horse power			
SAE	J1995 (gross)	HP(kW)/rpm	510 (380) / 1,800
	J1349 (net)		490 (366) / 1,800
DIN	627 1/1 (gross)	PS(kW)/rpm	517 (380) / 1,800
	627 1/1 (net)		497 (366) / 1,800
Max. torque		241.1kgf·m(1,744lb·ft) / 1,400rpm	
Bore x stroke		137mm X 169mm(5.39" X 6.65")	
Piston displacement		15,000cc(915cu in)	
Batteries		4 x 12V x 200Ah	
Starting motor		24V-9.0kW	
Alternator		24V-100A	

Hydraulic system

Main pump	
Type	Variable displacement tandem axis piston pumps
Max. flow	2 x 504 l /min(133.1US gpm/110.9UK gpm)
Sub-pump for pilot circuit	Gear pump
Cross-sensing and fuel saving pump system	
Hydraulic motors	
Travel	Two speed axial piston motor with brake valve and parking brake
Swing	Axial piston motor with automatic brake
Relief valve setting	
Implement circuits	330 kgf/cm ² (4,690 psi)
Travel	350 kgf/cm ² (4,980 psi)
Power boost (boom, arm, bucket)	360 kgf/cm ² (5,120 psi)
Swing circuit	260 kgf/cm ² (3,700 psi)
Pilot circuit	40 kgf/cm ² (569 psi)
Service valve	Installed
Hydraulic cylinders	
No. of cylinder-bore x rod x stroke	Boom : 2-200 x 140 x 1,892 mm
	Arm : 1-215 x 150 x 2,250 mm
	Bucket : 1-200 x 140 x 1,593 mm

Drives & Brakes

Drive method	Fully hydrostatic type
Drive motor	Axial piston motor, in-shoe design
Reduction system	Planetary reduction gear
Max. drawbar pull	
Max. travel speed(high) / (low)	4.0 km/hr (2.5 mph) / 2.6 km/hr (1.6 mph)
Gradeability	35%(70 %)
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
External Lights	Two lights mounted on the boom one under the battery box

Swing system

Swing motor	Axial piston motor
Swing reduction	Planetary gear reduction
Swing bearing lubrication	Grease-bathed
Swing brake	Multi wet disc
Swing speed	6.3 rpm

Coolant & Lubricant capacity

(refilling)	liter	US gal	UK gal
Fuel tank	940	248	206
Engine coolant	59	15.6	13
Engine oil	45.4	12	10
Swing device(each)	6.0	1.6	1.3
Final drive(each)	25	6.6	5.5
Hydraulic system(including tank)	800	211	175.6
Hydraulic tank	450	119	99

Undercarriage

X-leg type center frame is integrally welded with reinforced box-section track frames. The design includes dry tracks, lubricated rollers, idlers, sprockets, hydraulic track adjusters with shock absorbing springs and assembled track-type tractor shoes with triple grousers.

Description	R800LC-7A
Center frame	X - leg type
Track frame	Pentagonal box type
No. of shoes on each side	51
No. of carrier roller on each side	3
No. of track roller on each side	9
No. of track guard on each side	2

Operating weight (approximate)

Operating weight, including 7,200mm (23' 7") boom, 2,950mm (9' 8") arm, SAE heaped 4.53 m³ (5.93 yd³) backhoe bucket, lubricant, coolant, full fuel tank, hydraulic tank and the standard equipment.

Major component weight





Upperstructure	37,510kg (82,700lb)
Counterweight	12,500kg (27,560lb)
Boom (with Arm cylinder)	7,690kg (16,954lb)

Operating weight

Shoes		Operating weight	Ground pressure
Type	Width mm(in)	kg(lb)	kgf/cm ² (psi)
Double grouser	*700(28)	82,320(181,480)	1.07(15.22)
	800(32)	83,060(183,110)	0.94(13.37)
	900(35)	83,790(184,720)	0.85(12.09)

*Standard equipment

Buckets

SAE heaped m ³ (yd ³)	 3.40 (4.45)	 *4.53 (5.93) 4.80 (6.28)	 5.10 (6.67)	 © 3.40 (4.45)
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Capacity m ³ (yd ³)		Width mm (in)		Weight kg(lb)	Recommendation mm(ft-in)		
SAE heaped	CECE heaped	Without side cutters	With side cutters		Boom	8,050 (26' 5")	8,200 (26' 11")
3.40 (4.45)	3.00 (3.92)	1,615(63.6")	1,775(69.9")	3,550(7,830)	●	●	■
*4.53 (5.93)	3.95 (5.17)	2,040(80.3")	2,200(86.6")	4,190(9,240)	■	▲	▲
4.80 (6.28)	4.19 (5.48)	2,135(84.1")	2,295(90.4")	4,305(9,490)	▲	-	-
5.10 (6.67)	4.44 (5.81)	2,245(88.4")	2,405(94.7")	4,550(10,030)	▲	-	-
©3.40 (4.45)	3.00 (3.92)	1,635(64.4")	-	3,750(8,270)	●	■	■

*Standard backhoe bucket / © Rock bucket-Heavy duty

● : 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

Backhoe attachment

Boom and arms are of all-welded, low-stress, full-box section design. 7,200mm(23' 7"), 8,050mm(26' 5"), 8,200mm(26' 11")boom and 2,950mm(9' 8"), 3,400mm(11' 2"), 3,600mm(11' 8") arms are available. Hyundai Buckets are all-welded, high-strength steel implements.

	2,950mm(9' 8")		3,400mm(11' 2")		3,600mm(11' 8")
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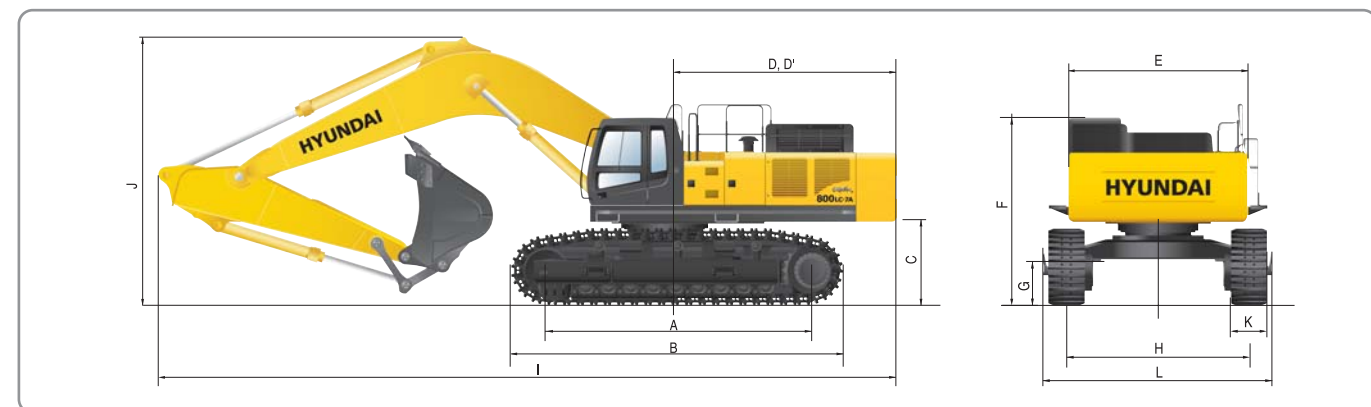
Digging force

Boom	Length	mm(ft-in)	* 7,200 (23' 7")	8,050 (26' 5")	8,200 (26' 11")	Remark
	Weight	kg(lb)	6,370 (14,043)	7,020 (15,476)	7,480 (16,491)	
Arm	Length	mm(ft-in)	* 2,950 (9' 8")	3,400 (11' 2")	3,600 (11' 8")	[]: Power Boost
	Weight	kg(lb)	2,910 (6,420)	3,070 (6,770)	3,290 (7,250)	
Bucket digging force	SAE	kN	388.3[423.6]	336.4[367.0]	336.4[367.0]	
		kgf	39600[43200]	34300[37420]	34300[37420]	
		lbf	87300[95240]	75620[82500]	75620[82500]	
	ISO	kN	443.3[483.6]	384.4[419.3]	384.4[419.3]	
		kgf	45200[49310]	39200[42760]	39200[42760]	
		lbf	99650[108710]	86420[94270]	86420[94270]	
Arm crowd force	SAE	kN	318.7[347.7]	292.2[318.8]	282.4[308.1]	
		kgf	32500[35460]	29800[32510]	28800[31420]	
		lbf	71650[78180]	65670[71670]	63490[69270]	
	ISO	kN	333.4[363.7]	305.0[332.7]	294.2[321.0]	
		kgf	34000[37090]	31100[33930]	30000[32730]	
		lbf	74960[81770]	68560[74800]	66140[72160]	

Note : Arm weight including bucket cylinder and linkage. *Standard arm

Dimensions & Working ranges

Dimensions

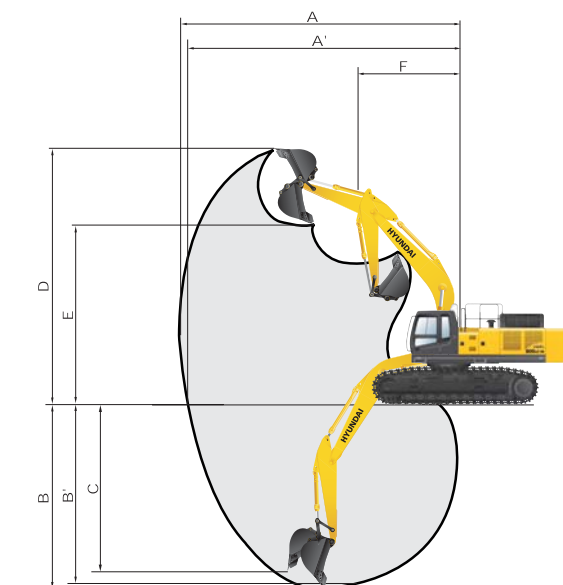


Description		R800LC-7A	
A	Tumbler distance	5,030 (16' 6")	
B	Undercarriage Length	6,335 (20' 9")	
C	Ground clearance of CWT	1,570 (5' 2")	
D	Tail swing radius	4,315 (14' 2")	
D'	Rear-end length	4,200 (13' 9")	
E	Overall width of upperstructure	3,420 (11' 3")	
F	Overall height of cab	3,580 (11' 2")	
G	Min. ground clearance	880 (2' 11")	
H	Track gauge(Extended/Retracted)	3,500 (11' 6")/2,780 (9' 11")	

		mm (ft-in)		mm (ft-in)	
I	Boom length	*7,200 (23' 7")	8,050 (26' 5")	8,200 (26' 11")	
J	Arm length	*2,950 (9' 8")	3,400 (11' 2")	3,600 (11' 8")	
K	Track shoe width	*700(28)	800(32)	900(35)	
L	Overall width	Extended	4,395(14' 5")		
		Retracted	3,675(12' 1")		

*Standard Equipment

Working ranges



		mm (ft-in)		mm (ft-in)	
I	Boom length	*7,200 (23' 7")	8,050 (26' 5")	8,200 (26' 11")	
J	Arm length	*2,950 (9' 8")	3,400 (11' 2")	3,600 (11' 8")	
A	Max. digging reach	12,250 (40' 2")	13,420 (44' 0")	13,670 (44' 10")	
A'	Max. digging reach at ground	11,970 (39' 3")	13,160 (43' 2")	13,420 (44' 0")	
B	Max. digging depth	7,240 (23' 9")	8,450 (27' 9")	8,750 (28' 8")	
B'	Max. digging depth (8' level)	7,080 (23' 3")	8,320 (27' 4")	8,630 (28' 4")	
C	Max. vertical wall digging depth	5,670 (18' 7")	6,190 (20' 4")	6,170 (20' 3")	
D	Max. digging height	11,750 (38' 7")	11,820 (38' 9")	11,780 (38' 8")	
E	Max. dumping height	7,500 (24' 7")	7,740 (25' 5")	7,770 (25' 6")	
F	Min. swing radius	5,120 (16' 10")	6,000 (19' 8")	6,080 (19' 11")	

*Standard Equipment

Lifting Capacities

Lifting capacities

Rating over-front Rating over-side or 360 degree

· Boom : 7.20m (23' 7") · Arm : 2.95 m (9' 8") · Bucket : 4.53m³ (5.93yd³) SAE heaped · Shoe : 700mm(28") double grouser shoe and 12,500kg(27,560lb) counterweight.

Load point height m(ft)		Load radius								At max. reach				
		2.0m(5ft)		4.5m(15.0ft)		6.0m(20.0ft)		7.5m(25.0ft)		9.0m(30.0ft)		Capacity	Reach	
												m (ft)		
9.0m (30.0ft)	kg lb											*13830 *30490	13730 30270	9.35 (30.7)
7.5m (25.0ft)	kg lb									*9650 *21270	*9650 *21270	*13080 *28840	11020 24290	10.28 (33.7)
6.0m (20.0ft)	kg lb							*17760 *39150	*17760 *39150	*15250 *33620	14270 31460	*12600 *27780	9500 20940	10.88 (35.7)
4.5m (15.0ft)	kg lb			*33390 *73610	*33390 *73610	*24130 *53200	*24130 *53200	*19090 *42090	*19090 *42090	*15860 *34970	13800 30420	*12240 *26980	8650 19070	11.22 (36.8)
3.0m (10.0ft)	kg lb			*37640 *82980	*37640 *82980	*26390 *58180	*26390 *58180	*20280 *44710	18440 40650	*16400 *36160	13240 29190	*11890 *26210	8270 18230	11.31 (37.1)
1.5m (5.0ft)	kg lb			*36800 *81130	*36800 *81130	*27380 *60360	25490 56200	*20880 *46030	17520 38620	*16570 *36530	12720 28040	*11450 *25240	8310 18320	11.18 (36.7)
Ground Line	kg lb			*35530 *78330	*35530 *78330	*26750 *58970	24570 54170	*20540 *45280	16880 37210	*16070 *35430	12340 27210	*10800 *23810	8800 19400	10.80 (35.4)
-1.5m (-5.0ft)	kg lb	*32460 *71560	*32460 *71560	*31440 *69310	*31440 *69310	*24540 *54100	24230 53420	*19020 *41930	16580 36550	*14500 *31970	12170 26830	*9670 *21320	*9670 *21320	10.14 (33.3)
-3.0m (-10.0ft)	kg lb	*29280 *64550	*29280 *64550	*25700 *56660	*25700 *56660	*20650 *45530	*20650 *45530	*15910 *35080	*15910 *35080			*7550 *16640	*7550 *16640	9.15 (30.0)
-4.5m (-15.0ft)	kg lb			*17680 *38980	*17680 *38980	*14480 *31920	*14480 *31920							

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

Lifting Capacities



Lifting capacities



Rating over-front



Rating over-side or 360 degree

· Boom : 8.05m (26' 5") · Arm : 3.40 m (11' 2") · Bucket : 3.4m³ (4.45yd³) SAE heaped · Shoe : 700mm(28") double grouser shoe and 12,500kg(27,560lb) counterweight.

Load point height m(ft)		Load radius										At max. reach				
		3.0m(10.0ft)		4.5m(15.0ft)		6.0m(20.0ft)		7.5m(25.0ft)		9.0m(30.0ft)		10.5m(35.0ft)		Capacity		Reach
																m (ft)
10.5m (35.0ft)	kg lb													*11350 *25020	*11350 *25020	9.61 (31.5)
9.0m (30.0ft)	kg lb													*10840 *23900	*10840 *23900	10.76 (35.3)
7.5m (25.0ft)	kg lb									*12650 *27890	*12650 *27890			*10590 *23350	9140 20150	11.56 (37.9)
6.0m (20.0ft)	kg lb									*13400 *29540	*13400 *29540	*11780 *25970	10920 24070	*10470 *23080	8020 17680	12.09 (39.7)
4.5m (15.0ft)	kg lb			*31100 *68560	*31100 *68560	*21890 *48260	*21890 *48260	*17200 *37920	*17200 *37920	*14330 *31590	14240 31390	*12390 *27320	10540 23240	*10430 *22990	7350 16200	12.39 (40.6)
3.0m (10.0ft)	kg lb					*24560 *54150	*24560 *54150	*18750 *41340	18410 40590	*15230 *33580	13470 29700	*12860 *28350	10100 22270	*10430 *22990	7010 15450	12.47 (40.9)
1.5m (5.0ft)	kg lb					*26100 *57540	24700 54450	*19830 *43720	17290 38120	*15900 *35050	12770 28150	*13180 *29060	9680 21340	*10430 *22990	6960 15340	12.35 (40.5)
Ground Line	kg lb			*28910 *63740	*28910 *63740	*26300 *57980	23680 52210	*20210 *44560	16510 36400	*16130 *35560	12240 26980	*13160 *29010	9340 20590	*10360 *22840	7230 15940	12.02 (39.4)
-1.5m (-5.0ft)	kg lb	*25600 *56440	*25600 *56440	*32870 *72470	*32870 *72470	*25320 *55820	23260 51280	*19770 *43590	16080 35450	*15750 *34720	11910 26260	*12580 *27730	9160 20190	*10150 *22380	7890 17390	11.44 (37.5)
-3.0m (-10.0ft)	kg lb	*33670 *74230	*33670 *74230	*29490 *65010	*29490 *65010	*23270 *51300	23260 51280	*18390 *40540	15970 35210	*14550 *32080	11820 26060			*9610 *21190	9180 20240	10.59 (34.7)
-4.5m (-15.0ft)	kg lb	*29990 *66120	*29990 *66120	*24760 *54590	*24760 *54590	*19940 *43960	*19940 *43960	*15790 *34810	*15790 *34810					*8300 *18300	*8300 *18300	9.37 (30.7)
-6.0m (-20.0ft)	kg lb			*17990 *39660	*17990 *39660	*14730 *32470	*14730 *32470	*11080 *24430	*11080 *24430							

NOTES

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Lifting capacities



Rating over-front



Rating over-side or 360 degree

· Boom : 8.20m (26' 11") · Arm : 3.60 m (11' 8") · Bucket : 3.4m³ (4.45yd³) SAE heaped · Shoe : 700mm(28") double grouser shoe and 12,500kg(27,560lb) counterweight.

Load point height m(ft)		Load radius										At max. reach						
		3.0m(10.0ft)		4.5m(15.0ft)		6.0m(20.0ft)		7.5m(25.0ft)		9.0m(30.0ft)		10.5m(35.0ft)		Capacity		Reach		
																m (ft)		
10.5m (35.0ft)	kg lb															*10590 *23350	*10590 *23350	9.96 (32.7)
9.0m (30.0ft)	kg lb															*10140 *22350	*10140 *22350	11.06 (36.3)
7.5m (25.0ft)	kg lb															*12080 *26630	*12080 *26630	11.84 (38.8)
6.0m (20.0ft)	kg lb															*12840 *28310	*12840 *28310	12.36 (40.6)
4.5m (15.0ft)	kg lb															*30160 *66490	*30160 *66490	12.65 (41.5)
3.0m (10.0ft)	kg lb															*23800 *52470	*23800 *52470	12.73 (41.8)
1.5m (5.0ft)	kg lb															*25350 *55890	24140 53220	12.61 (41.4)
Ground Line	kg lb															*27180 *59920	*27180 *59920	12.28 (40.3)
-1.5m (-5.0ft)	kg lb	*24050 *53020	*24050 *53020	*32290 *71190	*32290 *71190	*24740 *54540	22580 49780	*19260 *42460	15570 34330	*15350 *33840	11510 25380	*12340 *27210	8830 19470	*9650 *21270	7260 16010	11.72 (38.5)		
-3.0m (-10.0ft)	kg lb	*31460 *69360	*31460 *69360	*29120 *64200	*29120 *64200	*22860 *50400	22560 49740	*18050 *39790	15430 34020	*14330 *31590	11400 25130			*9230 *20350	8400 18520	10.90 (35.8)		
-4.5m (-15.0ft)	kg lb	*30290 *66780	*30290 *66780	*24710 *54480	*24710 *54480	*19820 *43700	*19820 *43700	*15740 *34700	15610 34410	*12170 *26830	11560 25490			*8200 *18080	*8200 *18080	9.72 (31.9)		
-6.0m (-20.0ft)	kg lb																	

NOTES

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