



ROBEX 360LC-7

Standard Equipment

- ISO standard cabin**
 - All-weather steel cab with all-around visibility
 - Safety glass windows
 - Rise-up type windshield wiper
 - Sliding fold-in front window
 - Sliding side window
 - Lockable door
 - Hot & cool box
 - Accessory box & Ash-tray
- 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
- Heater (7500kcal/hr, 30000BTU/hr)**
- Heater & Defroster**
- Self diagnostic system**
- AM/FM radio and cassette**
 - Radio remote switch
- 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 max.
 - Preheat & Engine warming-up
 - One touch decel
 - Starting Aid (Air glide heater) cold Weather
- 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.)**
- Three front working lights**
- Electric horn**
- Batteries (2 x 12 V x 160 AH)**
- Battery master switch**
- Removable clean out screen for Hyd. oil cooler**
- Automatic swing brake**
- Removable reservoir tank**
- Water separator, fuel line**
- Boom holding system**
- Arm holding system**
- Counterweight (6500 kg, 14330 lb)**
- Mono boom (6.5 m, 21' 4")**
- Arm (3.2 m, 10' 6")**
- Track shoes (600 mm, 23.6")**
- Track rail guard**
- Travel alarm**

Optional Equipment

- Air-conditioner(5000 kcal/hr, 20000 BTU/hr)**
- Sun visor for cabin inside**
- Fuel filler pump(35 l/min, 9.2 USgpm)**
- 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(cramshell, etc)**
- Accumulator, work equipment lowering**
- 12 volt power supply(24V DC - 12V DC converter)**
- Electric transducer with overload warning device**
- Various optional Arms**
 - Short arm (2.50 m, 8' 2")
 - Long arm (3.90 m, 12' 10")
 - Super long arm (4.30 m, 14' 1")
- Various optional Buckets(PCSA heaped)**
 - Standard bucket (1.62 m³, 2.12 yd³)
 - Narrow bucket (1.15 m³, 1.5 yd³)
 - Light duty bucket (1.86 m³, 2.43 yd³)
 - Light duty bucket (2.10 m³, 2.75 yd³)
 - Light duty bucket (2.32 m³, 3.03 yd³)
 - Heavy duty bucket (1.62 m³, 2.12 yd³)
 - Rock bucket (1.62 m³, 2.12 yd³)
- Cabin anti-vandalism kit**
- Cabin lights**
- Track shoes**
 - Triple grousers shoe (700mm, 28")
 - Triple grousers shoe (750mm, 30")
 - Triple grousers shoe (800mm, 32")
 - Triple grousers shoe (900mm, 36")
- Side cowls**
- Air vent type side door**
- Lower frame under cover**
- Preheating system**
- Tool kit**
- Operator suit**

Building a better future
Global Leader

■ Photo may include optional equipment.

Robex NEW 7 SERIES
360LC-7

Applied Tier II Engine



CRAWLER EXCAVATOR

CUMMINS QSC8.3-C Engine :

209 kW/280 HP

Operating Weight :

36,100 ~ 37,400 kg (79,590 ~ 82,500 lb)

Bucket Capacity, PCSA :

1.15 ~ 2.32 m³(1.5 ~ 3.03 yd³)

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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HEAVY INDUSTRIES CO., LTD.

Built for Maximum Power, Performance, Reliability.

A new chapter in construction equipment
has now begun.

Making the dream a reality.



※ Photo may include optional equipment.

NEW 7 SERIES R360LC-7

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



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

2

① Wide, Comfortable Operating Space ② Steel Cover Sunroof ③ Dial Type Engine Speed Switch and Key Switch

3





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 double switches.

(Left: Power max / One touch deceleration, Right: Horn/Optional)



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.

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.

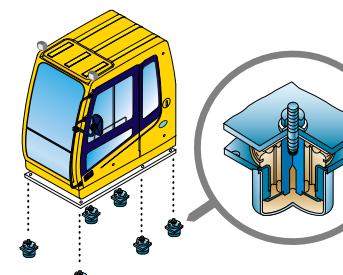
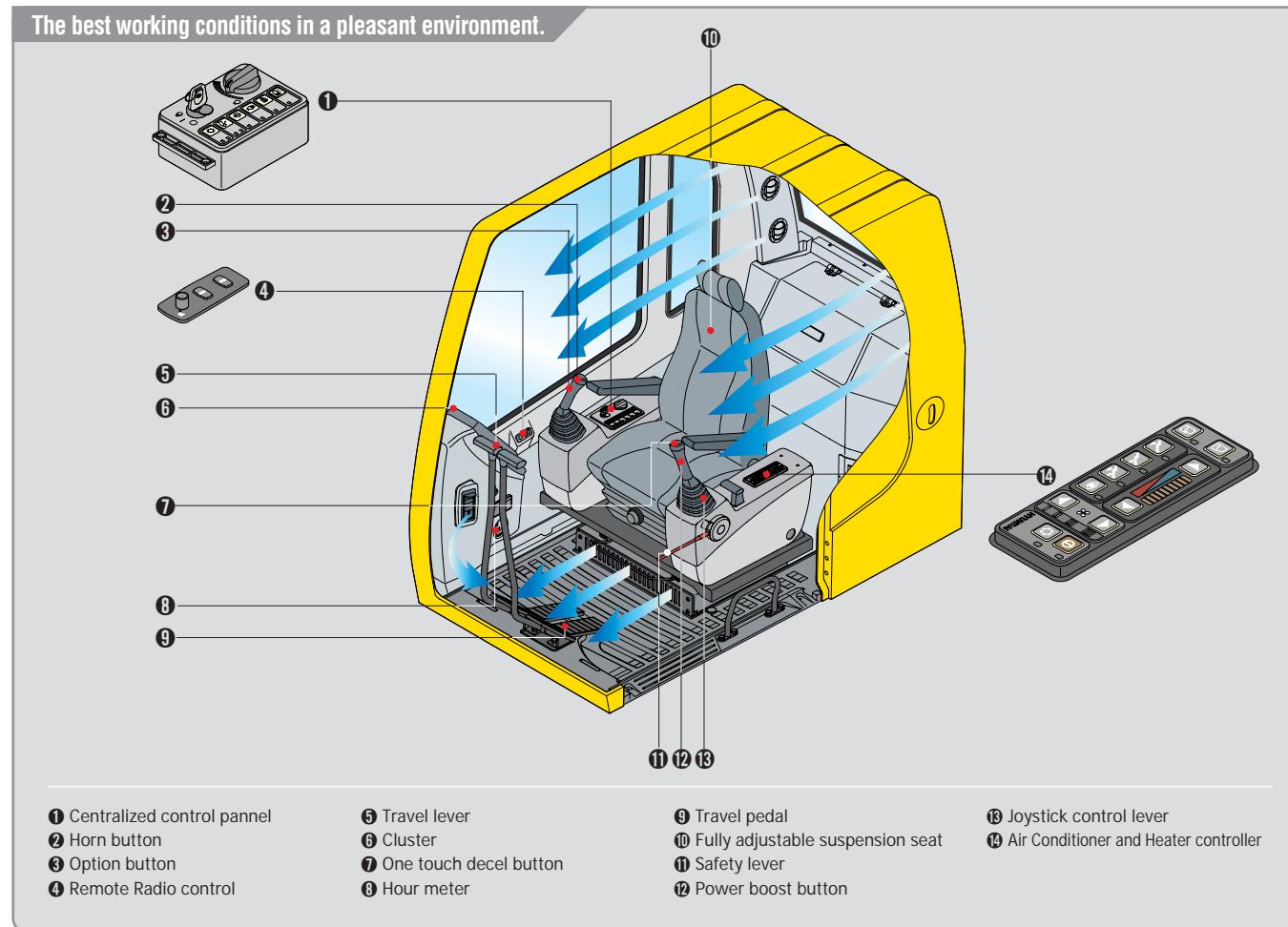


Remote Radio Control and Deluxe Cassette



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(optional).



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.

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.



Smooth Travel Pedal and Foot Rests



Rear Emergency Exit Window

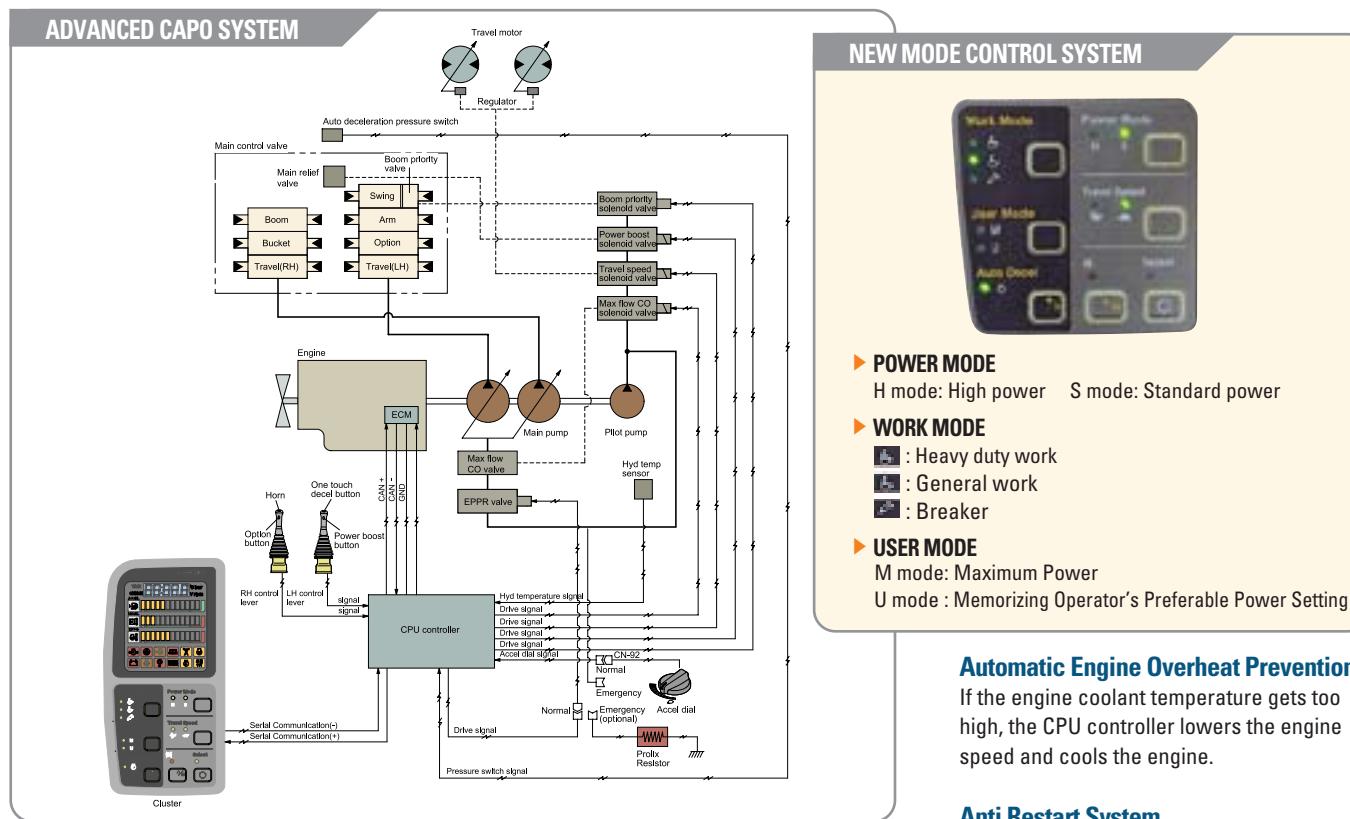
Rear Exit Window is designed with easy exit for operator's safety.



Drink Holder and Magazine Box

The New Cab has even more space for the operator. An Additional storage box is located behind operators seat, and it keeps food and beverages cool or hot.





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 goes wrong.

Arm Flow Regeneration System

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

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.

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 1200rpm. This decreases, fuel consumption and reduced cab noise levels.

One Touch Decel System

When the one touch decel switch is pressed, CPU controller controls to reduce engine speed to 950 rpm. And then the one touch decel switch is pressed again, the engine speed recovers.

Max. Flow Cut-off System

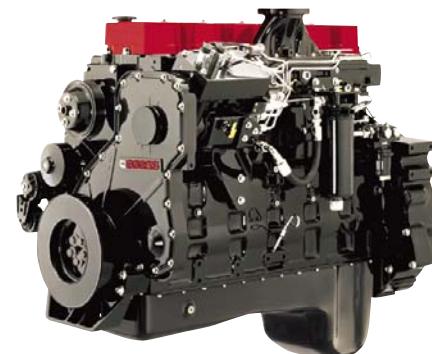
For precise control and finishing work, the Max. Flow Cut-off System reduces pump flow, thus allowing smooth operation.

Hydraulic Damper in Travel Pedal

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

CUMMINS QSC8.3-C Engine

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



It's not just a workhorse, It's a clydesdale.

The QSC8.3-C from Cummins. With advanced electronics. Higher torque. Better throttle response. Shorter service times. Longer maintenance intervals. Increased fuel economy. Decreased noise. Diagnostics. Prognostics. Engine protection, and more. All wrapped up in something we call the Quantum system.

The result is an engine that's a quantum leap ahead of both the C8.3- and competitive power plants. The QSC8.3-C is built to withstand the toughest work environment. Bearings have more surface area to handle higher loads with greater durability. The exhaust manifold allows for heat expansion and contraction, eliminating metal stress fractures. Reduced friction in the power cylinder means longer life and increased power output. From the structurally reinforced block to the stiffened gear housing, the QSC8.3-C is built stronger to last longer.

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

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.



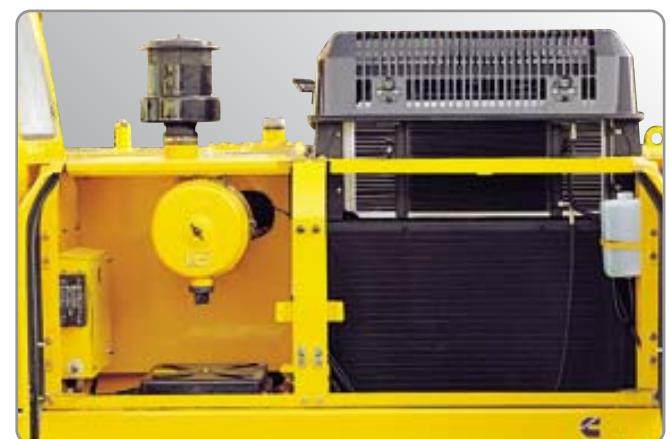
Powerful and Precise Swing Control

Improved shock absorbing characteristics make stopping a precise and smooth action.



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

Handrails and foot steps are applied for safety



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.

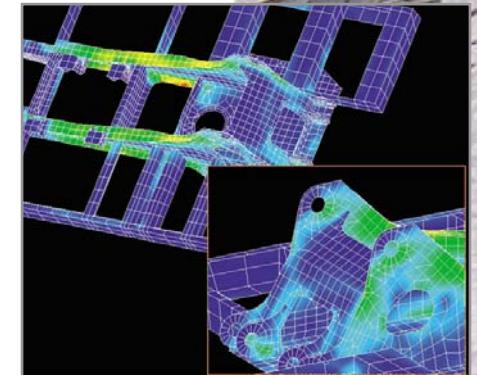


Highly efficient Hydraulic Pump

Pump output and Hydraulic tank capacity have been increased. A pilot pump has been installed resulting in improved control sensitivity.



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



* Photo may include optional equipment.

Backhoe attachment



Engine

Model		Cummins QSC8.3-C
Type		Water cooled, 4 cycle Diesel, 6-Cylinders in line, direct injection, turbocharged charger air cooler low emission
Rated flywheel horse power	SAE	J1995 (gross) 280 HP (209 kW) at 1900 rpm
	DIN	J1349 (net) 261 HP (195 kW) at 1900 rpm
6271/1 (gross)		284 PS (209 kW) at 1900 rpm
	(net)	265 PS (195 kW) at 1900 rpm
Max. torque		120.3 kgf·m (870 lbf·ft) at 1400 rpm
Bore x stroke		114 x 135 mm (4.5" x 5.3")
Piston		8,300 cc (506 cu in)
Batteries		2 x 12 V x 160 AH
Starting motor		24 V, 7.2kW
Alternator		24V, 50 Amp



Hydraulic system

Main pump	
Type	Two variable displacement piston pumps
Max. flow	2 x 290 ℓ/min (76.6 US gpm / 63.8 UK 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/cm² (4690 psi)
Travel	335 kgf/cm² (4765 psi)
Power boost (boom, arm, bucket)	360 kgf/cm² (5120 psi)
Swing circuit	260 kgf/cm² (3700 psi)
Pilot circuit	35 kgf/cm² (500 psi)
Service valve	Installed
Hydraulic cylinders	
No. of cylinder-bore x rod x stroke	Boom: 2-160 x 110 x 1500 mm (6.3" x 4.2" x 59.1") Arm: 1-170 x 120 x 1760 mm (6.7" x 4.7" x 69.3") Bucket: 1-150 x 105 x 1295 mm (5.9" x 4.1" x 51.0")



Drives & Brakes

Drive method	Fully hydrostatic type
Drive motor	Axial piston motor, in-shoe design
Reduction system	Planetary reduction gear
Max. drawbar pull	31,000 kgf (68,350 lbf)
Max. travel speed (high) / (low)	4.5 km/hr (2.8 mph) / 3.2 km/hr (2.0 mph)
Gradeability	35° (70 %)
Parking brake	Multi wet disc



Control

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 circuit lubrication	Grease-bathed
Swing brake	Multi wet disc
Swing speed	9.1 rpm



Coolant & Lubricant capacity

(refilling)	liter	US gal	UK gal
Fuel tank	520	137.4	114.4
Engine coolant	45.0	11.9	9.9
Engine oil	26.5	7.0	5.8
Swing device	6.0	1.6	1.3
Final drive(each)	7.0	1.8	1.5
Hydraulic system	380	100.4	83.6
Hydraulic tank	230	60.8	50.6



Undercarriage

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

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



Operating weight (approximate)

Operating weight, including 6500m (21' 4") boom, 3200 m (10' 6") arm, PCSA heaped 1.62 m³ (2.12 yd³) backhoe bucket, lubricant, coolant.

Major component weight

Upperstructure	8,500 kg (18,740 lb)
Counterweight	6,500 kg (14,330 lb)
Boom (with arm cylinder)	3,780 kg (8,330 lb)

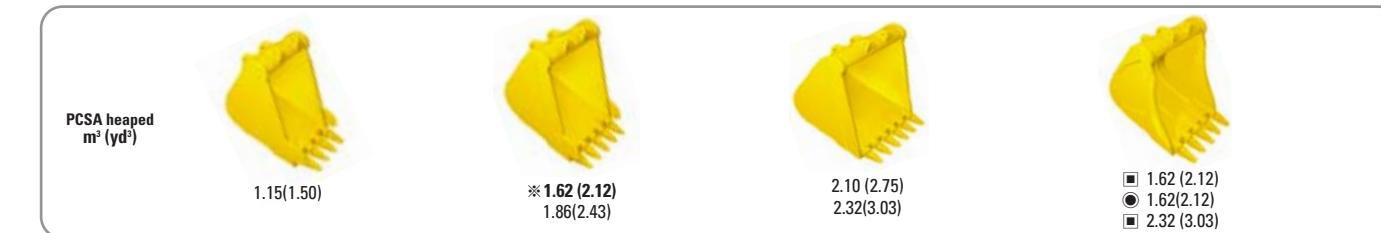
Operating weight

Shoes(Triple grouser) mm(in)	Operating weight kg(lb)	Ground pressure kgf/cm²(psi)
* 600(24)	36,100(79,500)	0.64(9.10)
700(28)	36,500(80,600)	0.56(7.96)
750(30)	36,725(81,000)	0.52(7.39)
800(32)	36,950(81,500)	0.49(6.97)
900(36)	37,400(82,500)	0.44(6.26)

* Standard equipment



Buckets



Capacity m³ (yd³)	Without side cutters	With side cutters	Weight kg(lb)	Recommendation mm(ft.in)				
				Boom	2500 (8' 2")	* 3200 (10' 6")	3900 (12' 10")	4300 (14' 1")
1.15(1.50)	1.00(1.31)	1,090(42.9)	1,240(48.8)	1,030(2,270)	●	●	●	●
* 1.62(2.12)	1.40(1.83)	1,440(56.7)	1,590(62.6)	1,245(2,745)	●	●	●	●
1.86(2.43)	1.60(2.1)	1,630(64.2)	1,780(70.1)	1,475(3,250)	●	●	■	▲
2.10(2.75)	1.80(2.4)	1,810(71.3)	1,960(77.2)	1,385(3,055)	■	■	▲	-
2.32(3.03)	2.00(2.62)	1,990(78.3)	2,140(84.3)	1,530(3,370)	▲	▲	▲	-
1.62(2.12)	1.40(1.83)	1,540(60.6)	-	1,590(3,505)	●	●	■	●
1.62(2.12)	1.40(1.83)	1,540(60.6)	-	1,550(3,420)	●	●	■	●
2.32(3.03)	2.00(2.62)	1,990(78.3)	2,140(84.3)	1,660(3,660)	●	●	●	-

*: Standard backhoe bucket

■: Heavy-duty

●: Rock bucket-Heavy duty

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

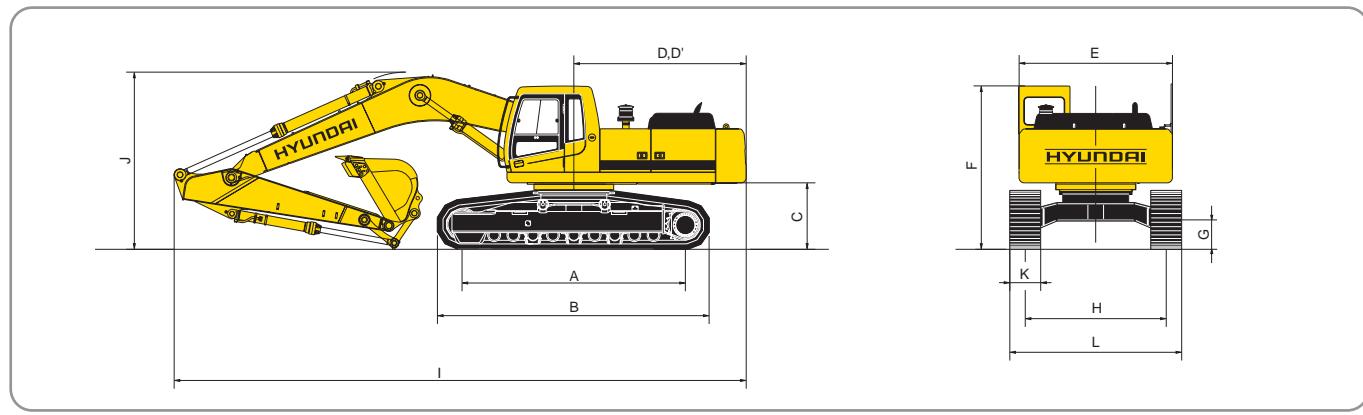
■: Applicable for materials with density of 1,600 kg / m³ (2,700 lb/ yd³) or less

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





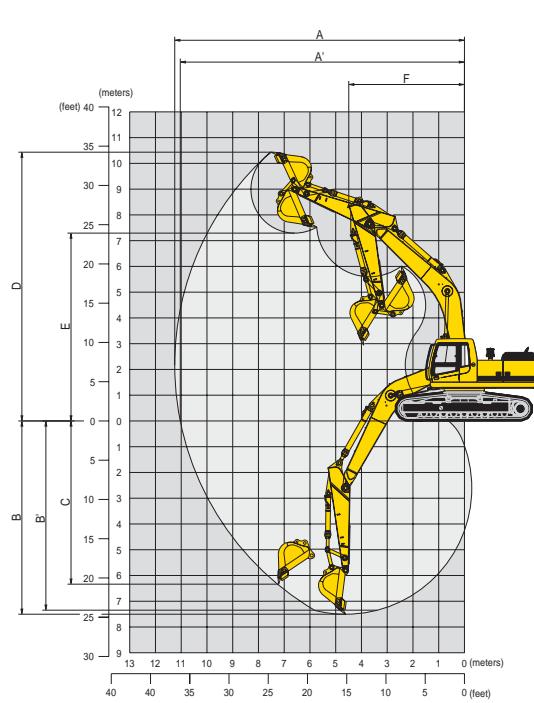
Dimensions



		(mm)	(ft · in)
A	Tumbler distance	4340 (14' 3")	
B	Overall length of crawler	5280 (17' 4")	
C	Ground clearance of counterweight	1290 (4' 3")	
D	Tail swing radius	3415 (11' 2")	
D'	Rear-end length	3350 (11' 0")	
E	Overall width of upperstructure	2980 (9' 9")	
F	Overall height of cab	3175 (10' 5")	
G	Min. ground clearance	550 (1' 10")	
H	Track gauge	2740 (9' 0")	



Working ranges



	Boom length	※ 6500 (21' 4")				6150 (20' 2")
	Arm length	2500 (8' 2")	※ 3200 (10' 6")	3900 (12' 10")	4300 (14' 1")	2500 (8' 2")
I	Overall length	11240 (36' 11")	11120 (36' 6")	11070 (36' 4")	11050 (36' 3")	10880 (35' 8")
J	Overall height of boom	3700 (12' 2")	3440 (11' 3")	3870 (12' 8")	4270 (14' 0")	3830 (12' 7")
K	Track shoe width	※ 600 (24")	700 (28")	750 (30")	800 (32")	900 (36")
L	Overall width	3340 (10' 11")	3440 (11' 3")	3490 (11' 5")	3540 (11' 7")	3640 (11' 11")

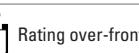
* Standard Equipment

	Boom length	※ 6500 (21' 4")				6150 (20' 2")
	Arm length	2500 (8' 2")	※ 3200 (10' 6")	3900 (12' 10")	4300 (14' 1")	2500 (8' 2")
A	Max. digging reach	10720 (35' 2")	11250 (36' 11")	11870 (38' 11")	12380 (39' 12")	10330 (33' 11")
A'	Max. digging reach on ground	10490 (34' 5")	11000 (36' 1")	11670 (38' 3")	12180 (40' 0")	10100 (33' 2")
B	Max. digging depth	6800 (22' 4")	7500 (24' 7")	8200 (26' 11")	8600 (28' 3")	6440 (21' 2")
B'	Max. digging depth (8' level)	6620 (21' 9")	7350 (24' 1")	8070 (26' 6")	8480 (27' 10")	6260 (20' 6")
C	Max. vertical wall digging depth	5940 (19' 6")	6340 (20' 10")	7040 (23' 1")	7550 (24' 9")	5500 (18' 1")
D	Max. digging height	10470 (34' 4")	10430 (34' 3")	10650 (34' 11")	11210 (36' 9")	10200 (33' 6")
E	Max. dumping height	7270 (23' 10")	7290 (23' 11")	7510 (24' 8")	8030 (26' 4")	7020 (23' 0")
F	Min. swing radius	4630 (14' 2")	4560 (14' 12")	4550 (14' 11")	4570 (14' 12")	4320 (14' 2")

* Standard Equipment



Lifting capacities



Rating over-front



Rating over-side or 360 degree

• Boom : 6.5m (21' 4") • Arm : 2.5 m (8' 2") • Bucket : 1.62 m³ (2.12 yd³) PCSA heaped • Shoe : 800mm(32") triple grouser with 6,500kg (14,330 lb) counterweight

Load point height m(ft)	Load radius					At max. reach	
	3.0 m(10.0 ft)	4.5 m(15.0 ft)	6.0 m(20.0 ft)	7.5 m(25.0 ft)	Capacity	Reach	
9.0 m 30.0 ft	kg lb				*6900 *15210 *15210 *15210	*6900 *15210 *15210 *15210	
7.5 m 25.0 ft	kg lb				*6870 *15150 *15150 *15150	5240 11550 11550 11550	
6.0 m 20.0 ft	kg lb				*6420 *15370 *15370 *15370	4280 9440 9440 9440	
4.5 m 15.0 ft	kg lb	*11980 *26410 *26410 *26410	*11980 *26410 *26410 *26410	*9060 *19400 *19400 *19400	6170 6630 6630 6630		
3.0 m 10.0 ft	kg lb	*15410 *33970 *33970 *33970	*13070 *28810 *28810 *28810	*8050 *18030 *18030 *18030	13600 14620 14620 14620		
1.5 m 5.0 ft	kg lb	*17750 *39200 *39200 *39200	*12110 *26700 *26700 *26700	*16710 *19890 *19890 *19890	14150 12870 12870 12870		
Ground Line	kg lb	*18570 *40940 *40940 *40940	*11760 *25930 *25930 *25930	*13320 *16580 *16580 *16580	7520 9630 9630 9630		
-1.5 m -5.0 ft	kg lb	*17800 *39240 *39240 *39240	*18280 *40300 *40300 *40300	*13480 *16340 *16340 *16340	7410 11600 11600 11600		
-3.0 m -10.0 ft	kg lb	*23550 *51920 *51920 *51920	*17040 *37570 *37570 *37570	*12770 *26320 *26320 *26320	7500 16530 16530 16530		
-4.5 m -15.0 ft	kg lb	*19520 *43030 *43030 *43030	*19520 *31680 *31680 *31680	*12770 *27290 *27290 *27290	7400 11600 11600 11600		

• Boom : 6.5m (21' 4") • Arm : 3.2 m (10' 6") • Bucket : 1.62 m³ (2.12 yd³) PCSA heaped • Shoe : 800mm(32") triple grouser with 6,500kg (14,330 lb) counterweight

Load point height m(ft)	Load radius						At max. reach	
	1.5 m(5.0 ft)	3.0 m(10.0 ft)	4.5 m(15.0 ft)	6.0 m(20.0 ft)	7.5 m(25.0 ft)	9.0 m(30.0 ft)	Capacity	Reach
9.0 m 30.0 ft	kg lb						*6020 *13270 *13270	*6020 *13270 *13270 *13270
7.5 m 25.0 ft	kg lb						*6110 *13470 *13470	4690 10340 10340 10340
6.0 m 20.0 ft	kg lb						*4590 *10120 *10120	6350 *10120 *10120
4.5 m 15.0 ft	kg lb						*8350 *18410 *18410	6640 14640 14640
3.0 m 10.0 ft	kg lb						*13690 *30180 *30180	7430 *14110 *14110
1.5 m 5.0 ft	kg lb						*16650 *36710 *36710	8050 17750 17750
Ground Line	kg lb						*13060 *13060 *13060	7620 *9330 *9330
-1.5 m -5.0 ft	kg lb	*13680 *30160 *30160	*13680 *30160 *30160	*17490 *38560 *38560	*17490 *22270 *22270	*17490 *19140 *19140	*18450 *14110 *14110	6560 9080 9080
-3.0 m -10.0 ft	kg lb	*17850 *39350 *39350	*17850 *39350 *39350	*22770 *50200 *50200	*22770 *29590 *29590	*17870 *29120 *29120	*18450 *16290 *16290	5780 12740 12740
-4.5 m -15.0 ft	kg lb	*22570 *49760 *49760	*22570 *49760 *49760	*22590 *49800 *49800	*22590 *26160 *26160	*16000 *26170 *26170	*183	

Lifting Capacities

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Lifting capacities



Rating over-front



Rating over-side or 360 degree

• Boom : 6.15m (20' 2") • Arm : 2.5 m (8' 2") • Bucket : 1.62 m³ (2.12 yd³) PCSA heaped • Shoe : 600mm(24") triple grouser with 6,500kg (14,330 lb) counterweight

Load point height m(ft)		Load radius						At max. reach		
		3.0 m(10.0 ft)	4.5 m(15.0 ft)	6.0 m(20.0 ft)	7.5 m(25.0 ft)	Capacity	Reach	m (ft)		
9.0 m	kg					*7640	*7640	6.65		
30.0 ft	lb					*16840	*16840	(21.8)		
7.5 m	kg					*7520	5870	8.02		
25.0 ft	lb					*16580	12940	(26.3)		
6.0 m	kg					*8660	*8660	8.88		
20.0 ft	lb					*19090	*19090	(29.1)		
4.5 m	kg	*18380	*18380	*12260	*12260	*9890	9200	9.38		
15.0 ft	lb	*40520	*40520	*27030	*27030	*21800	20280	(30.8)		
3.0 m	kg	*15570	13490	*11460	8570	*9500	5920	9.58		
10.0 ft	lb	*34330	29740	*25260	18890	*20940	13050	(31.4)		
1.5 m	kg			*18030	12410	*12850	8000	9.52		
5.0 ft	lb			*39750	27360	*28330	17640	(31.2)		
Ground Line	kg	*13370	*13370	*18930	11910	*13670	7630	9.19		
	lb	*29480	*29480	*41730	26260	*30140	16820	(30.2)		
-1.5 m	kg	*20990	*20990	*18580	11770	13690	7460	9.53		
-5.0 ft	lb	*46270	*46270	*40960	25950	*30180	16450	(28.0)		
-3.0 m	kg	*23670	*23670	*17040	11890	*12670	7510	7.47		
-10.0 ft	lb	*52180	*52180	*37570	26210	*27930	16560			
-4.5 m	kg	*18590	*18590	*13590	12300					
-15.0 ft	lb	*40980	*40980	*29960	27120					

• Boom : 6.5m (21' 4") • Arm : 2.5 m (8' 2") • Bucket : 1.62 m³ (2.12 yd³) PCSA heaped • Shoe : 600mm(24") triple grouser with 6,500kg (14,330 lb) counterweight

Load point height m(ft)		Load radius						At max. reach		
		3.0 m(10.0 ft)	4.5 m(15.0 ft)	6.0 m(20.0 ft)	7.5 m(25.0 ft)	Capacity	Reach	m (ft)		
9.0 m	kg					*6900	*6900	7.22		
30.0 ft	lb					*15210	*15210	(23.7)		
7.5 m	kg					*6870	5100	8.49		
25.0 ft	lb					*15150	11240	(27.9)		
6.0 m	kg					*8050	*8050	9.29		
20.0 ft	lb					*17750	*17750	(30.5)		
4.5 m	kg			*11980	*11980	*9400	8840	9.77		
15.0 ft	lb			*26410	*26410	*20720	19490	(32.1)		
3.0 m	kg			*15410	12740	*11030	8180	9.97		
10.0 ft	lb			*33970	28090	*24320	18030	(32.7)		
1.5 m	kg			*17780	11780	*12460	7630	9.91		
5.0 ft	lb			*39200	25970	*27470	16820	(32.5)		
Ground Line	kg			*18570	11440	*13320	7300	9.59		
	lb			*40940	25220	*29370	16090	(31.5)		
-1.5 m	kg			*17800	*17800	*18280	11420	8.97		
-5.0 ft	lb			*39240	*39240	*40300	25180	(29.4)		
-3.0 m	kg			*23550	*23550	*17040	11610	7.97		
-10.0 ft	lb			*51920	*51920	*37570	25600	(26.1)		
-4.5 m	kg			*19520	*19520	*14370	12060	6.39		
-15.0 ft	lb			*43030	*43030	*31680	26590	(21.0)		

• Boom : 6.5m (21' 4") • Arm : 3.2 m (10' 6") • Bucket : 1.62 m³ (2.12 yd³) PCSA heaped • Shoe : 600mm(24") triple grouser with 6,500kg (14,330 lb) counterweight

Load point height m(ft)		Load radius						At max. reach		
		1.5 m(5.0 ft)	3.0 m(10.0 ft)	4.5 m(15.0 ft)	6.0 m(20.0 ft)	7.5 m(25.0 ft)	9.0 m(30.0 ft)	Capacity	Reach	
9.0 m	kg							*6020	*6020	7.97
30.0 ft	lb							*13270	*13270	(26.1)
7.5 m	kg							*4590	*4590	9.12
25.0 ft	lb							*10120	*10120	(29.9)
6.0 m	kg							*6710	6480	9.87
20.0 ft	lb							*14790	14290	(32.4)
4.5 m	kg							*8350	*8350	10.32
15.0 ft	lb							*18410	*18410	(33.9)
3.0 m	kg			*13690	13420	*10100	8460	10.50		
10.0 ft	lb			*30180	29590	*22270	18650	(34.4)		
1.5 m	kg					*16650	12210	11760	7830	
5.0 ft	lb					*36710	26920	*25930	17260	
Ground Line	kg			*13060	*13060	*18210	11580	10.14		
	lb			*28790	*28790	*40150	25530	(33.3)		
-1.5 m	kg			*13680	*13680	*17490	11380	9.57		
-5.0 ft	lb			*30160	*30160	*38560	25090	(31.4)		
-3.0 m	kg			*17850	*17850	*22770	*17870	8.65		
-10.0 ft	lb			*39350	*39350	*50200	*39400	(28.4)		
-4.5 m	kg			*22570	*22570	*22590	*16000	7.25		
-15.0 ft	lb			*49760	*49760	*49800	*35270	(23.8)		
-6.0 m	kg					*11900	*11900	*26230	*26230	
-20.0 ft	lb									

1. Lifting capacity are 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

