



Building a better future
Global Leader

Robex **NEW 7A SERIES**

CRAWLER EXCAVATOR Applied Tier III Engine

360LC-7A



We build a better future

 **HYUNDAI**
HEAVY INDUSTRIES CO., LTD.

■ Photo may include optional equipment

Robex 360LC-7A





Built for Maximum Power, Performance and Reliability.

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

Rebel 360LC-7A

HYUNDAI

Rebel
360LC-7A

Operator's Comfort is Our Main Concern. Wide Cab Exceeds Industry Standards.

Technology in Cab Design



Visibility

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



Excellent Ventilation

- Ventilation has been improved by the addition of a 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 7A series is designed with low operation noise in mind.
- Hyundai engineering made efforts 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 Steel Cover Sunroof
- 3 Dial Type Engine Speed Switch and / Key Switch

Radio CD Control



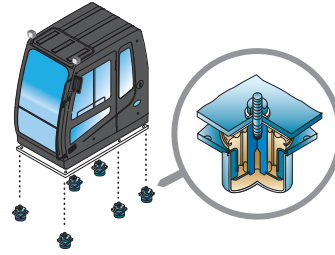


Robex 360LC-7A



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 a Cab Mounting System

The application of the Viscous Mounting system to the cabin support provides the operator with a smoother ride. The operator work efficiency will increase as the shock and noise level in the cabin decreases.

Operating Environment



▲ Storage box and Cup Holder

An additional storage box and cup holder are located behind operator's seats so to food and beverages cool or hot.

◀ Wide Cab with Excellent Visibility

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



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





Maximum Protection



Highly Sensitive Joystick and Easy Entrance

New joystick grips for precise control have been equipped with double switches.

Left

- Power boost
- One touch deceleration
- Optional (2)

Right

- Horn
- Optional (3)



Easy-to-Reach Control Panels

Switches and other essential controls are located near the operator. This helps to keep operator movements to a minimum, enhancing control with less operator's fatigue.



Rear Emergency Exit Window

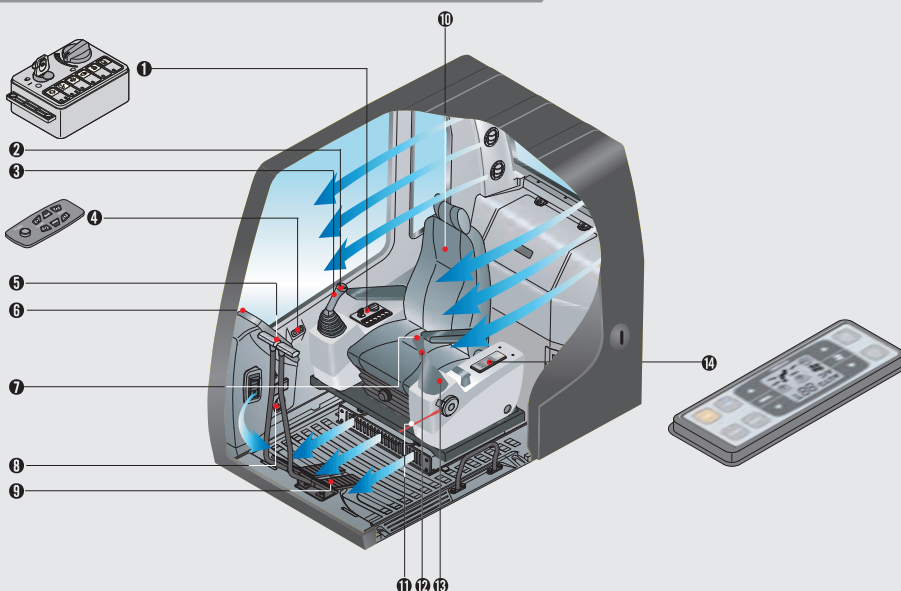
Rear Exit Window is designed to provide an easy exit in emergency cases.



Raise-up Wiper and Cabin Lights

Raise-up wiper installed to enhance a better front view. Cabin Lights enhances safety by brightly lighting the surroundings in dark environments. (optional)

The better 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.



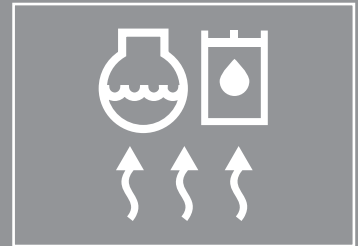
Anti Restart System

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.

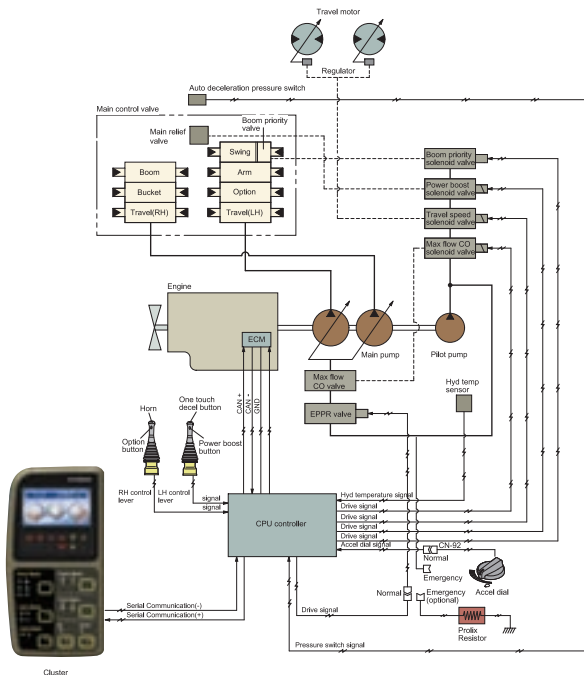


Automatic Warming-up System

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 so to warm up the engine more effectively.

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, 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. 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 an exact condition of the machine. This instrument makes it easier to troubleshoot the machine in case of failure.

One Touch Deceleration System

When the one touch deceleration switch is pressed, the CPU controller controls the accelerator actuator to reduce engine speed to 800 rpm. Once this switch is pressed again, the engine speed recovers to its preset RPM.

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 cylinder cavitation.

Hydraulic Damper in Travel Pedal

Improved travel controllability & feeling during movement of the machine by use of shock reducing material.

NEW MODE CONTROL SYSTEM



1 POWER MODE

H mode: High power
S mode: Standard power

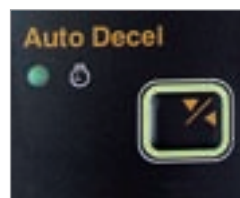
2 WORK MODE

- 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, the CPU controller instructs the accelerator actuator to reduce engine speed to

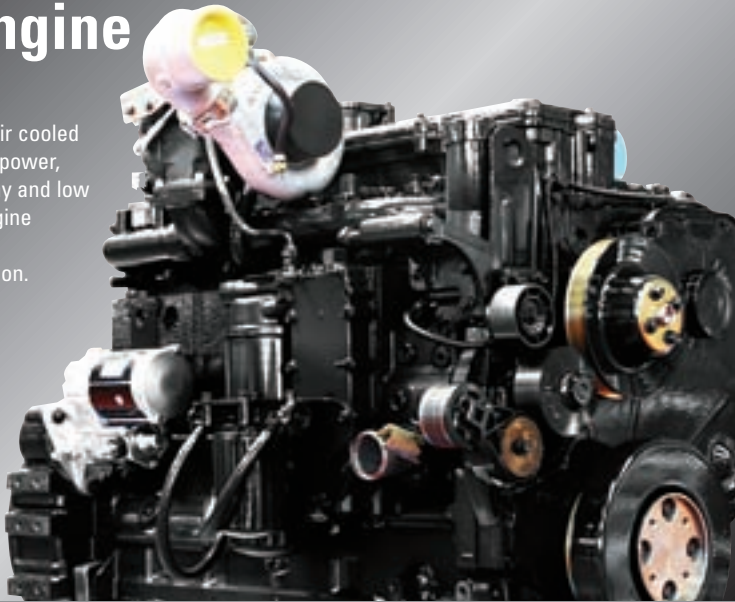
1000 rpm. This decreases fuel consumption and reduces cab noise levels.

Max. Flow Cut-off System

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

CUMMINS QSL Engine

The six cylinders, turbocharged, 4 cycle, charger air cooled engine is built for power, reliability, economy and low emission. This engine meets Tier III emissions regulation.



Heavy-duty strength

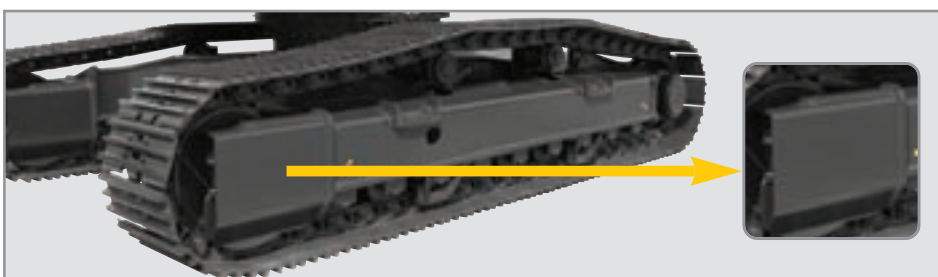
Everyone who's ever worked on construction equipment machines knows, there is no substitute for power and durability. The QSL handles the toughest loads and the roughest working conditions. At the same time, it delivers better fuel economy, has better cold starting capability and is up to 50% quieter in operation. The heavy-duty design of the QSL engine block and components such as articulated pistons, enhanced camshaft and roller cam followers, viscous damper and high capacity lube system add reliability and durability you can count on every day, year after year. Both fuel-efficiency and response are significantly enhanced with the Cummins high pressure common rail fuel system. The system delivers a continuous high pressure injection independent of engine speed for optimum performance and flexibility at every rpm.

Increased Higher Performance



Strong and Stable Lower Frame

Reinforced box-section frame is all welded using low-stress, high-strength steel. It guarantees safety and resistance against external impact when driving on rough ground or working on wet sites. The use of highly durable upper and lower rollers and track guards ensures proper machine transfer on all terrains. The long undercarriage incorporates heavy duty excavator style components. An 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 by using a standard grease operated cylinder track adjusters including shock absorbing springs. (Full Track Guide: Option)

Reinforced Bucket and Bucket Linkage

To prevent excessive wear of pins and bushes, sealed joints have been applied. Bucket link design incorporates high durability and anti wear characteristics. Additional reinforcement plates on cutting edge section are welded. Thicker steel and an additional lateral plate are put in place to reinforce the bucket.



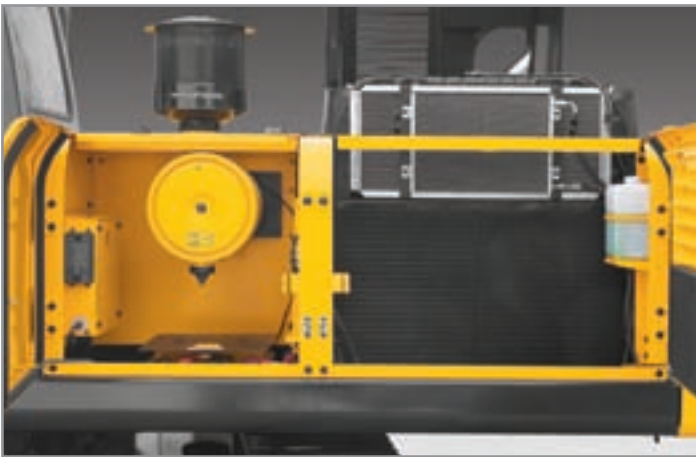
Powerful and Precise Swing Control

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



Full open doors and the use of one master key system provide easy access during servicing.

Reliability & Serviceability



Side Cover with Left & Right Swing Open Type

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



Easy to maintain engine components

A 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 and the same compartment for easy service.



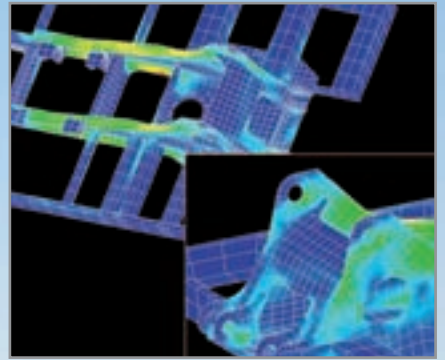
Highly efficient Hydraulic Pump

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.



Specifications



Engine

Model		Cummins QSL	
Type		Water cooled, 4 cycle Diesel, 6-Cylinders in line, direct injection, turbocharged, charged air cooled and low emission	
Rated flywheel horse power	SAE	J1995 (gross)	221 kW (296 HP) at 1,850 rpm
		J1349 (net)	202 kW (271 HP) at 1,850 rpm
	DIN	6271/1 (gross)	221 kW (300 PS) at 1,850 rpm
		6271/1 (net)	202 kW (275 PS) at 1,850 rpm
Max. torque		1,383 Nm (1,000 lbf.ft) at 1,400 rpm	
Bore x stroke		114 x 144.5 mm (4.5" x 5.3")	
Piston		8,900 cc (540 cu in)	
Batteries		2 x 12 V x 160 AH	
Starting motor		24 V - 7.5 kW	
Alternator		24 V - 50 Amp	



Hydraulic system

Main pump	
Type	Two variable displacement piston pumps
Max. flow	2x288 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	32,4 MPa (4,690 psi)
Travel	32,8 MPa (4,765 psi)
Power boost (boom, arm, bucket)	35,3 MPa (5,120 psi)
Swing circuit	25,5 MPa (3,700 psi)
Pilot circuit	3,4 MPa (500 psi)
Service valve	Installed
Hydraulic cylinders	
No. of cylinder - bore x rod x stroke	Boom: 2-160 x 110 x 1,500 mm (6.3" x 4.2" x 59.1")
	Arm: 1-170 x 120 x 1,760 mm (6.7" x 4.7" x 69.3")
	Bucket: 1-150 x 105 x 1,295 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	310 kN (68,350 lbf)
Max. travel speed (high) / (low)	4.8 km/hr (2.8 mph) / 3.0 km/hr (2.0 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 circuit lubrication	Grease-bathed
Swing brake	Multi wet disc
Swing speed	9.0 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	31.7	8.4	7.0
Swing device	8.0	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 centre frame is integrally welded with reinforced box-section track frames. The undercarriage includes lubricate rollers, idlers, track adjusters with shock absorbing spring and sprockets. Track chains with double or triple grouser shoes.

Centre 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 6,500 m (21' 4") boom; 3,200 m (10' 6") arm, SAE heaped 1.62 m³ (2.12 yd³) backhoe bucket, lubricant, coolant.

Major component weight	
Upper structure	8,500 kg (18,740 lb)
Counterweight	6,500 kg (14,330 lb)
Boom (with arm cylinder)	3,780 kg (8,330 lb)

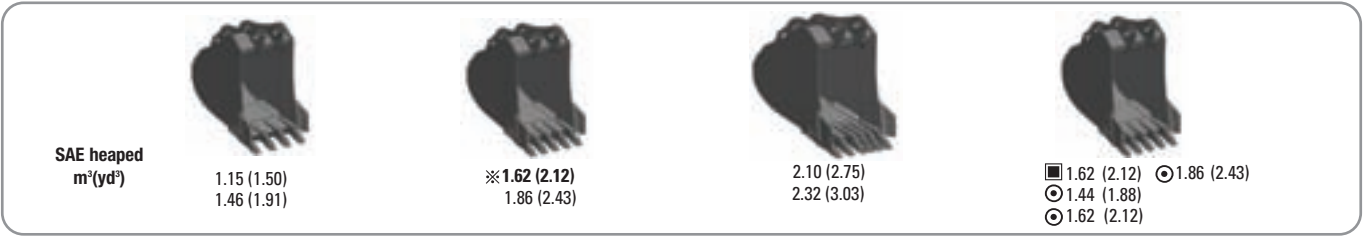
Operating weight

Shoes (Triple grouser) mm (in)	Operating weight kg (lb)	Ground pressure MPa (psi)
※ 600 (24)	36,100 (79,590)	0.063 (9.10)
700 (28)	36,500 (80,600)	0.055 (7.96)
750 (30)	36,725 (81,000)	0.051 (7.39)
800 (32)	36,950 (81,500)	0.048 (6.97)
900 (36)	37,400 (82,500)	0.043 (6.26)

※ Standard equipment

Backhoe attachment

Buckets

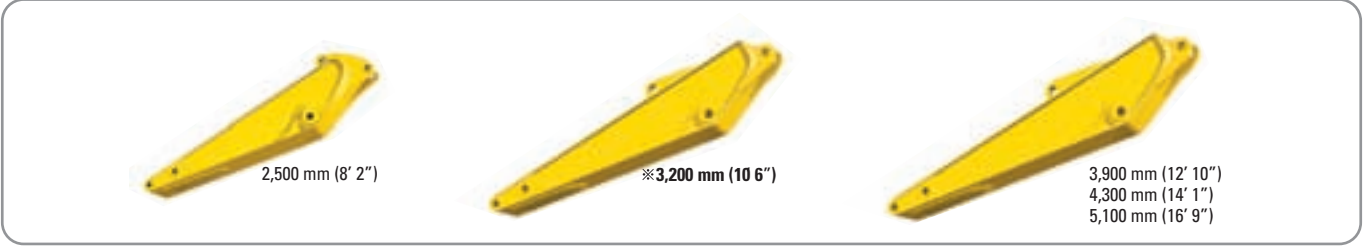


Capacity m ³ (yd ³)		Width mm (in)		Weight kg (lb)	Recommendation mm (ft.in)						
SAE heaped	CECE heaped	Without side cutters	With side cutters		Boom		※ 6,500 (21' 4")			6,150 (20' 2")	8,600 (28' 3")
					Arm	2,500 (8' 2")	※ 3,200 (10' 6")	3,900 (12' 10")	4,300 (14' 1")	2,500 (8' 2")	5,100 (16' 9")
1.15 (1.50)	1.00 (1.31)	1,090 (42.9)	1,220 (48.0)	1,030 (2,270)	●	●	●	●	●	▲	
1.46 (1.91)	1.27 (1.66)	1,380 (54.3)	1,510 (59.4)	1,170 (2,580)	●	●	●	■	●	▲	
※ 1.62 (2.12)	1.40 (1.83)	1,440 (56.7)	1,570 (61.8)	1,280 (2,820)	●	●	■	■	●	-	
1.86 (2.43)	1.60 (2.1)	1,620 (63.8)	1,750 (68.9)	1,390 (3,060)	●	●	■	▲	●	-	
2.10 (2.75)	1.80 (2.4)	1,810 (71.3)	1,940 (76.4)	1,520 (3,350)	■	■	▲	-	●	-	
2.32 (3.03)	2.00 (2.62)	1,990 (78.3)	2,120 (83.5)	1,760 (3,880)	▲	▲	▲	-	■	-	
■ 1.62 (2.12)	1.40 (1.83)	1,540 (60.6)	-	1,570 (3,460)	●	■	▲	▲	●	-	
◎ 1.44 (1.88)	1.27 (1.66)	1,280 (50.4)	-	1,565 (3,450)	●	●	■	▲	●	-	
◎ 1.62 (2.12)	1.40 (1.83)	1,545 (60.8)	-	1,610 (3,550)	●	■	▲	▲	●	-	
◎ 1.86 (2.43)	1.60 (2.1)	1,725 (67.9)	-	1,710 (3,770)	■	▲	-	-	■	-	

- ※ : 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

Backhoe attachment

Boom and arms are of all-welded, low-stress, full-box section design. 6,500 mm (21' 4"); 6,150 mm (20' 2"); 8,600 mm (28' 3") boom and 2,500 mm (8' 2"); 3,200 mm (10' 7"); 3,900 mm (12' 10"); 4,300 mm (14' 1"); 5,100 mm (16' 9") arms are available. Buckets are all-welded, high-strength steel implements.



Digging force

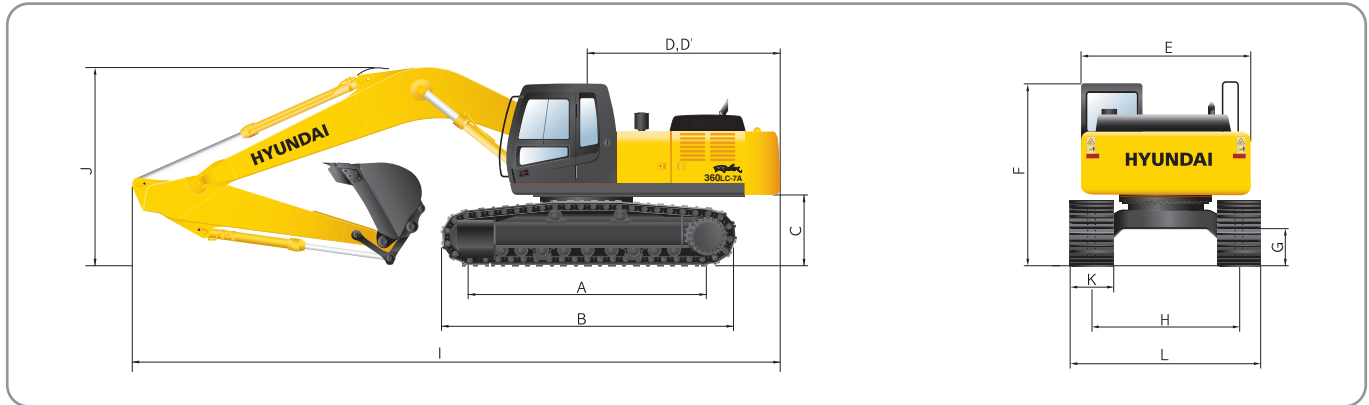
Arm	Length	mm (ft.in)	2,500 (8' 2")	※ 3,200 (10' 6")	3,900 (12' 10")	4,300 (14' 1")	Remark
			Weight	1,930 (4,260)	1,960 (4,320)	2,170 (4,780)	
Bucket digging force	SAE	kN	201.0 [219.3]	201.0 [219.3]	201.0 [219.3]	201.0 [219.3]	[]: Power Boost
		kgf	20500 [22360]	20500 [22360]	20500 [22360]	20500 [22360]	
	lbf	45190 [49300]	45190 [49300]	45190 [49300]	45190 [49300]		
	ISO	kN	228.5 [249.3]	228.5 [249.3]	228.5 [249.3]	228.5 [249.3]	
Arm crowd force	SAE	kgf	23300 [25420]	23300 [25420]	23300 [25420]	23300 [25420]	
		lbf	51370 [56040]	51370 [56040]	51370 [56040]	51370 [56040]	
	ISO	kN	184.4 [201.1]	152.0 [165.8]	135.3 [147.6]	124.5 [135.9]	
		kgf	18800 [20510]	15500 [16910]	13800 [15050]	12700 [13850]	
lbf	41450 [45220]	34170 [37280]	30420 [33190]	28000 [30550]			
	kN	192.2 [209.7]	156.9 [171.2]	139.3 [151.9]	128.5 [140.1]		
kgf	19600 [21380]	16000 [17450]	14200 [15490]	13100 [14290]			
lbf	43210 [47140]	35270 [38480]	31310 [34160]	28880 [31510]			

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

Dimensions & Working ranges



Dimensions



mm (ft · in)

A	Tumbler distance	4,340 (14' 3")
B	Overall length of crawler	5,280 (17' 4")
C	Ground clearance of counterweight	1,290 (4' 3")
D	Tail swing radius	3,415 (11' 2")
D'	Rear-end length	3,350 (11' 0")
E	Overall width of upper structure	2,980 (9' 9")
F	Overall height of cab	3,175 (10' 5")
G	Min. ground clearance	550 (1' 10")
H	Track gauge	2,740 (9' 0")

mm (ft · in)

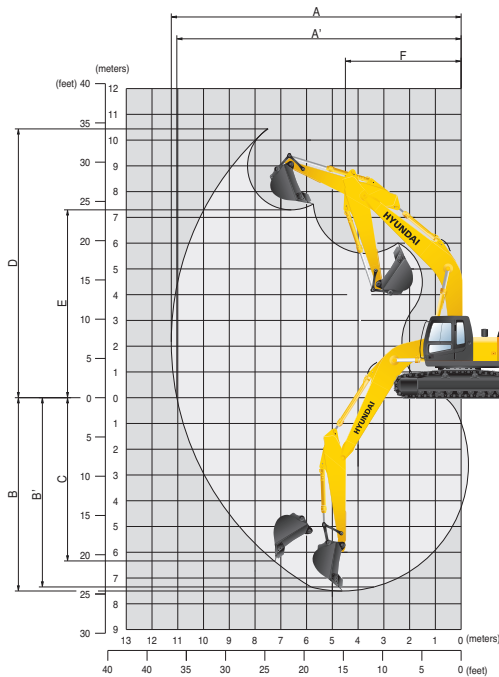
	Boom length	※ 6,500 (21' 4")				6,150 (20' 2")	8,600 (28' 3")
	Arm length	2,500 (8' 2")	※ 3,200 (10' 6")	3,900 (12' 10")	4,300 (14' 1")	2,500 (8' 2")	5,100 (16' 9")
I	Overall length	11,240 (36' 11")	11,120 (36' 6")	11,070 (36' 4")	11,050 (36' 3")	10,880 (35' 8")	13,070 (42' 11")
J	Overall height of boom	3,700 (12' 2")	3,440 (11' 3")	3,870 (12' 8")	4,270 (14' 0")	3,830 (12' 7")	4,830 (15' 10")
K	Track shoe width	※ 600 (24")	700 (28")	750 (30")	800 (32")	900 (36")	
L	Overall width	3,340 (10' 11")	3,440 (11' 3")	3,490 (11' 5")	3,540 (11' 7")	3,640 (11' 11")	

※ Standard Equipment



Working ranges

mm (ft · in)



	Boom length	※ 6,500 (21' 4")				6,150 (20' 2")	8,600 (28' 3")
	Arm length	2,500 (8' 2")	※ 3,200 (10' 6")	3,900 (12' 10")	4,300 (14' 1")	2,500 (8' 2")	5,100 (16' 9")
A	Max. digging reach	10,720 (35' 2")	11,250 (36' 11")	11,870 (38' 11")	12,380 (39' 12")	10,330 (33' 11")	15,300 (50' 2")
A'	Max. digging reach on ground	10,490 (34' 5")	11,000 (36' 1")	11,670 (38' 3")	12,180 (40' 0")	10,100 (33' 2")	15,120 (49' 7")
B	Max. digging depth	6,800 (22' 4")	7,500 (24' 7")	8,200 (26' 11")	8,600 (28' 3")	6,440 (21' 2")	11,210 (36' 9")
B'	Max. digging depth (8' level)	6,620 (21' 9")	7,350 (24' 1")	8,070 (26' 6")	8,480 (27' 10")	6,260 (20' 6")	11,100 (36' 5")
C	Max. vertical wall digging depth	5,940 (19' 6")	6,340 (20' 10")	7,040 (23' 1")	7,550 (24' 9")	5,500 (18' 1")	10,070 (33' 0")
D	Max. digging height	10,470 (34' 4")	10,430 (34' 3")	10,650 (34' 11")	11,210 (36' 9")	10,200 (33' 6")	13,160 (43' 2")
E	Max. dumping height	7,270 (23' 10")	7,290 (23' 11")	7,510 (24' 8")	8,030 (26' 4")	7,020 (23' 0")	9,990 (32' 9")
F	Min. swing radius	4,630 (14' 2")	4,560 (14' 12")	4,550 (14' 11")	4,570 (14' 12")	4,320 (14' 2")	6,040 (19' 10")

※ Standard Equipment

Lifting Capacities



Lifting capacities



Rating over-front



Rating over-side or 360 degree

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

Load point height m (ft)		Load radius								At max. reach		m (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)		Capacity		
9.0 m	kg									*7640	*7640	6.65
30.0 ft	lb									*16840	*16840	(21.8)
7.5 m	kg									*7520	5970	8.02
25.0 ft	lb									*16580	13160	(26.3)
6.0 m	kg					*8660	*8660	*6540	6530	*7580	4800	8.88
20.0 ft	lb					*19090	*14420	14400	*16710	10580	(29.1)	
4.5 m	kg	*18380	*18380	*12260	*12260	*9890	9350	*8740	6330	7200	4190	9.38
15.0 ft	lb	*40520	*40520	*27030	*27030	*21800	20610	*19270	13960	15870	9240	(30.8)
3.0 m	kg			*15570	13710	*11460	8720	*9500	6030	6790	3890	9.58
10.0 ft	lb			*34330	30230	*25260	19220	*20940	13290	14970	8580	(31.4)
1.5 m	kg			*18030	12630	*12850	8150	10010	5730	6750	3830	9.52
5.0 ft	lb			*39750	27840	*28330	17970	22070	12630	14880	8440	(31.2)
Ground Line	kg	*13370	*13370	*18930	12120	*13670	7770	9760	5500	7090	4010	9.19
	lb	*29480	*29480	*41730	26720	*30140	17130	21520	12130	15630	8840	(30.2)
-1.5 m	kg	*20990	*20990	*18580	11990	*13710	7610	9650	5410	7990	4540	8.53
-5.0 ft	lb	*46270	*46270	*40960	26430	*30230	16780	21270	11930	17610	10010	(28.0)
-3.0 m	kg	*23670	*23670	*17040	12100	*12670	7650			*8470	5730	7.47
-10.0 ft	lb	*52180	*52180	*37570	26880	*27930	16870			*18670	12630	(24.5)
-4.5 m	kg	*18590	*18590	*13590	12520							
-15.0 ft	lb	*40980	*40980	*29960	27600							

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

Load point height m (ft)		Load radius								At max. reach		m (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)		Capacity		
9.0 m	kg									*6900	*6900	7.22
30.0 ft	lb									*15210	*15210	(23.7)
7.5 m	kg									*6870	5190	8.49
25.0 ft	lb									*15150	11440	(27.9)
6.0 m	kg					*8050	*8050	*7580	6370	*6970	4240	9.29
20.0 ft	lb					*17750	*17750	*16710	14040	*15370	9350	(30.5)
4.5 m	kg			*11980	*11980	*9400	8990	*8180	6110	6550	3720	9.77
15.0 ft	lb			*26410	*26410	*20720	19820	*18030	13470	14440	8200	(32.1)
3.0 m	kg			*15410	12960	*11030	8330	*9020	5790	6210	3470	9.97
10.0 ft	lb			*33970	28570	*24320	18360	*19890	12760	13690	7650	(32.7)
1.5 m	kg			*17780	12000	*12460	7780	9750	5490	6180	3430	9.91
5.0 ft	lb			*39200	26460	*27470	17150	21500	12100	13620	7560	(32.5)
Ground Line	kg			*18570	11650	*13320	7450	9520	5280	6490	3610	9.59
	lb			*40940	25680	*29370	16420	20990	11640	14310	7960	(31.5)
-1.5 m	kg	*17800	*17800	*18280	11630	*13480	7340	9440	5210	7260	4070	8.97
-5.0 ft	lb	*39240	*39240	*40300	25640	*29720	16180	20810	11490	16010	8970	(29.4)
-3.0 m	kg	*23550	*23550	*17040	11830	*12770	7430			*8130	5070	7.97
-10.0 ft	lb	*51920	*51920	*37570	26080	*28150	16380			*17920	11180	(26.1)
-4.5 m	kg	*19520	*19520	*14370	12280					*7460	*7460	6.39
-15.0 ft	lb	*43030	*43030	*31680	27070					*16450	*16450	(21.0)

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

Load point height m (ft)		Load radius										At max. reach		m (ft)		
		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)		9.0m(30.0 ft)			Capacity	
9.0 m	kg													*6020	*6020	7.97
30.0 ft	lb													*13270	*13270	(26.1)
7.5 m	kg									*4590	*4590			*6110	4650	9.12
25.0 ft	lb									*10120	*10120			*13470	10250	(29.9)
6.0 m	kg									*6710	6590			*6140	3860	9.87
20.0 ft	lb									*14790	14530			*13540	8510	(32.4)
4.5 m	kg					*8350	*8350	*7420	6290	*4490	4440			6020	3410	10.32
15.0 ft	lb					*18410	*18410	*16360	13870	*9900	9790			13270	7520	(33.9)
3.0 m	kg			*13690	13640	*10100	8600	*8370	5930	*6400	4260			5710	3180	10.5
10.0 ft	lb			*30180	30070	*22270	18960	*18450	13070	*14110	9390			12590	7010	(34.4)
1.5 m	kg			*16650	12420	*11760	7980	*9330	5590	7260	4080			5670	3120	10.45
5.0 ft	lb			*36710	27380	*25930	17590	*20570	12320	16010	8990			12500	6880	(34.3)
Ground Line	kg			*13060	*13060	*18210	11800	*12930	7540	9560	5320			5900	3240	10.14
	lb			*28790	*28790	*40150	26010	*28510	16620	21080	11730			13010	7140	(33.3)
-1.5 m	kg	*13680	*13680	*17490	*17490	*18550	11600	*13460	7330	9400	5170			6480	3590	9.57
-5.0 ft	lb	*30160	*30160	*38560	*38560	*40900	25570	*29670	16160	20720	11400			14290	7910	(31.4)
-3.0 m	kg	*17850	*17850	*22770	*22770	*17870	11660	*13210	7310	9400	5180			7700	4320	8.65
-10.0 ft	lb	*39350	*39350	*50200	*50200	*39400	25710	*29120	16120	20720	11420			16980	9520	(28.4)
-4.5 m	kg	*22570	*22570	*22590	*22590	*16000	11960	*11870	7510					*8000	5980	7.25
-15.0 ft	lb	*49760	*49760	*49800	*49800	*35270	26370	*26170	16560					*17640	13180	(23.8)
-6.0 m	kg			*11900	*11900											
-20.0 ft	lb			*26230	*26230											

NOTES

- Lifting capacity is based on SAE J1097, ISO 10567.
- 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.
- The load point is a hook (standard equipment) located on the back of the bucket.
- (*) indicates load limited by hydraulic capacity.



Lifting capacities



Rating over-front



Rating over-side or 360 degree

• **Boom:** 6.5 m (21' 4") • **Arm:** 3.9 m (12' 10") • **Bucket:** 1.62 m³ (2.12 yd³) SAE heaped • **Shoe:** 800 mm (31.5") triple grouser with 6,500 kg (14,330 lb) CW

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)		9.0m(30.0 ft)		Capacity	Reach														
																m (ft)													
9.0 m	kg																												
30.0 ft	lb														*5290	5260	8.81												
7.5 m	kg														*11660	11600	(28.9)												
25.0 ft	lb														*5420	4120	9.85												
6.0 m	kg														*11950	9080	(32.3)												
20.0 ft	lb														*5890	3470	10.54												
4.5 m	kg														*12990	*12990	*8070	*8070	*12320	7650	(34.6)								
15.0 ft	lb														*6660	6500	*5450	4580	5550	3090	10.95								
3.0 m	kg														*14680	14330	*12020	10100	12240	6810	(35.9)								
10.0 ft	lb														*19900	*19900	*12040	*12040	*9120	8910	*7660	6100	*6860	4360	5280	2880	11.13		
1.5 m	kg														*43870	*43870	*26540	*26540	*20110	19640	*16890	13450	*15120	9610	11640	6350	(36.5)		
5.0 ft	lb														*12660	*12660	*15330	12920	*10910	8210	*8710	5700	*7410	4140	5230	2820	11.07		
Ground Line	kg														*27910	*27910	*33800	28480	*24050	18100	*19200	12570	16340	9130	11530	6220	(36.3)		
	lb														*13680	*13680	*17420	12070	*12310	7680	*9600	5380	7200	3950	5400	2910	10.79		
-1.5 m	kg														*30160	*30160	*38400	26610	*27140	16930	*21160	11860	15870	8710	11900	6420	(35.4)		
-5.0 ft	lb														*12590	*12590	*16830	*16830	*18250	11710	*13100	7390	9520	5180	7080	3840	5850	3170	10.26
-3.0 m	kg														*27760	*27760	*37100	*37100	*40230	25820	*28880	16290	20990	11420	15610	8470	12900	6990	(33.7)
-10.0 ft	lb														*16200	*16200	*21040	*21040	*18030	11670	*13170	7290	9450	5120	6770	3720	9.42		
-4.5 m	kg														*35710	*35710	*46390	*46390	*39750	25730	*29030	16070	20830	11290	14930	8200	(30.9)		
-15.0 ft	lb														*20270	*20270	*24240	*24240	*16700	11870	*12330	7400	*9270	5250	*7640	4860	8.17		
-6.0 m	kg														*44690	*44690	*53440	*53440	*36820	26170	*27180	16310	*20440	11570	*16840	10710	(26.8)		
-20.0 ft	lb														*19460	*19460	*13690	12360	*42900	*42900	*30180	27250							

• **Boom:** 6.5 m (21' 4") • **Arm:** 4.3 m (14' 1") • **Bucket:** 1.62 m³ (2.12 yd³) SAE heaped • **Shoe:** 800 mm (31.5") triple grouser with 6,500 kg (14,330 lb) CW

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)		9.0m(30.0 ft)		10.5m(35.0 ft)		Capacity	Reach
9.0 m	kg																
30.0 ft	lb																
7.5 m	kg																
25.0 ft	lb																
6.0 m	kg																
20.0 ft	lb																
4.5 m	kg																
15.0 ft	lb																
3.0 m	kg																
10.0 ft	lb																
1.5 m	kg																
5.0 ft	lb																
Ground Line	kg																
	lb																
-1.5 m	kg																
-5.0 ft	lb																
-3.0 m	kg																
-10.0 ft	lb																
-4.5 m	kg																
-15.0 ft	lb																
-6.0 m	kg																
-20.0 ft	lb																

• **Boom:** 8.6 m (28' 2") • **Arm:** 5.1 m (16' 7") • **Bucket:** 1.46 m³ (1.90 yd³) SAE heaped • **Shoe:** 600 mm (24") triple grouser with 8,100 kg (17,860 lb) CW

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)		9.0m(30.0 ft)		10.5m(35.0 ft)		12.0m(40.0 ft)		13.5m(45.0 ft)		Capacity	Reach
9.0 m	kg																				
30.0 ft	lb																				
7.5 m	kg																				
25.0 ft	lb																				
6.0 m	kg																				
20.0 ft	lb																				
4.5 m	kg																				
15.0 ft	lb																				
3.0 m	kg																				
10.0 ft	lb																				
1.5 m	kg																				
5.0 ft	lb																				
Ground Line	kg																				
	lb																				
-1.5 m	kg																				
-5.0 ft	lb																				
-3.0 m	kg																				
-10.0 ft	lb																				
-4.5 m	kg																				
-15.0 ft	lb																				
-6.0 m	kg																				
-20.0 ft	lb																				

NOTES

- Lifting capacity is based on SAE J1097, ISO 10567.
- 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.
- The load point is a hook (standard equipment) located on the back of the bucket.
- (*) indicates load limited by hydraulic capacity.



Robex 360LC-7A

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

Air-conditioner (5,000 kcal/hr; 20,000 BTU/hr)

FATC (Full Automatic Temperature Control)

Self diagnostic system

AM/FM radio and CD Player

- 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 deceleration

Starting Aid (Air grid heater) Cold Weather

Door and cab locks, one key

Two outside rear view mirrors

Sun visor for cabin inside

Fully adjustable suspension seat with seat belt

Slidable joy-stick, 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

Fuel pre-filter

Boom holding system

Arm holding system

Safety lock valve for boom cylinder with overload warning device

Counterweight (6,500 kg; 14,330 lb)

Mono boom (6.5 m; 21' 4")

Arm (3.2 m; 10' 6")

Single acting piping kit (breaker, etc)

Double acting piping kit (clamshell, etc)

Track shoes (600 mm; 23.6")

Track rail guard

Travel alarm

Fuel warmer

Fuel filler pump (35 ℓ/min; 9.2 US g/m)

Optional Equipment

Heater & Defroster (7,500 Kcal/hr; 30,000 BTU/hr)

Beacon lamp

Safety lock valve for arm cylinder

Accumulator, work equipment lowering

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

Electric transducer

Various optional Arms

- Short arm (2.50 m; 8' 2")
- Long arm (3.90 m; 12' 10")
- Long arm (4.30 m; 14' 1")
- Super long arm (5.10 m; 16' 9")

Various optional Buckets (SAE heaped)

- Standard bucket (1.62 m³; 2.12 yd³)
- Narrow bucket (1.15 m³; 1.5 yd³)
- Narrow bucket (1.46 m³; 1.91 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 (1.44 m³; 1.88 yd³)
- Rock bucket (1.62 m³; 2.12 yd³)
- Rock bucket (1.86 m³; 2.43 yd³)

Cabin lights

Cabin FOPS/FOG (ISO 10262)

Cabin Roof-Cover Transparent

Track shoes

- Triple grousers shoe (700 mm; 28")
- Triple grousers shoe (750 mm; 30")
- Triple grousers shoe (800 mm; 32")
- Triple grousers shoe (900 mm; 36")

Side cowl

Lower type side door (L/H)

Lower frame under cover

Preheating system

Tool kit

Operator suit

Seat

- Adjustable air suspension seat

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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