

ROBEX 180LC-7

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 & Ashtray

- Computer Aided Power Optimization(New CAPO) system · 2-power mode, 3-work mode, 2-user mode
- Auto deceleration & one touch deceleration
- · Auto warm up system
- · Auto overheat prevention system

Heater & Defroster Self diagnostic system Starting aid, cold weather Centralized monitoring

- · LCD display Engine speed
- Clock & Error code
- Gauges Fuel level gauge
- Engine coolant temperature gauge Hyd. oil temperature gauge
- Warning
- Engine coolant & 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

Door and cab locks, one key AM/FM radio and cassette

- Radio remote switch
- Two outside rearview mirrors
- Fully adjustable suspension seat with seat belt
- Slidable joystick, pilot-operated Console box tilting system (LH.)
- Three front working light
- Electric horn Batteries (2×12 V×100 AH)
- **Battery master switch**
- Automatic swing brake
- Removable reservoir tank
- Water separator, fuel line Boom holding system
- Arm holding system
- Counterweight (2950 kg, 6500 lb)
- Mono boom (5.1 m, 16' 9")
- Track shoes (600 mm, 24") Track rail guard
- Arm (2.6 m, 8' 6")

Optional Equipment

Air-conditioner (5000 kcal/hr, 20000 BTU/hr) Sun visor for cabin inside

Fuel filler pump (35 ℓ /min, 9.5 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 (DC-DC converter)

Electric. transducer Travel alarm

Various optional Arms

· Short arm (2.2m, 7' 3") · Long arm (3.10m, 10' 2")

Various optional Buckets (SAE heaped)

- Standard bucket (0.76m3, 0.99yd3)
- Narrow bucket (0.39m³, 0.51yd³)
- Narrow bucket (0.50m³, 0.44yd³)
- Narrow bucket (0.64m³, 0.55yd³)
- Light duty bucket (0.89m³, 1.16yd³) Light duty bucket (1.05m³, 1.37yd³)
- Heavy duty bucket(0.69m³, 0.9yd³)

- Cabin FOPS/FOG(ISO/DIS 10262) Track shoes
- Triple grousers shoe (500mm, 20") Triple grousers shoe (700mm, 28")
- Triple grousers shoe (800mm, 32")

Lower frame under cover Pre heating system Tool kit

Operator suit Special cooling

· Air vent type side door

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



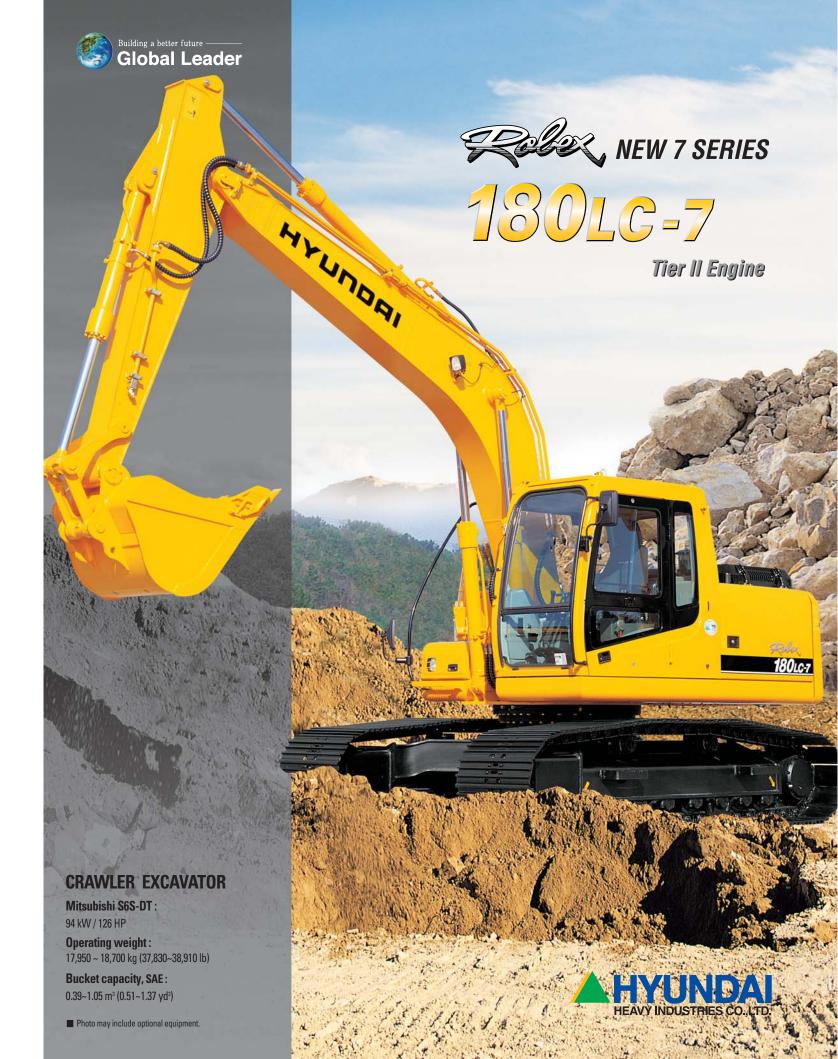
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2003. 12 Rev 0





Technology in Cab Design

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 7 series 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.













Operating Environment Operating Environment



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 equiped with double switches.

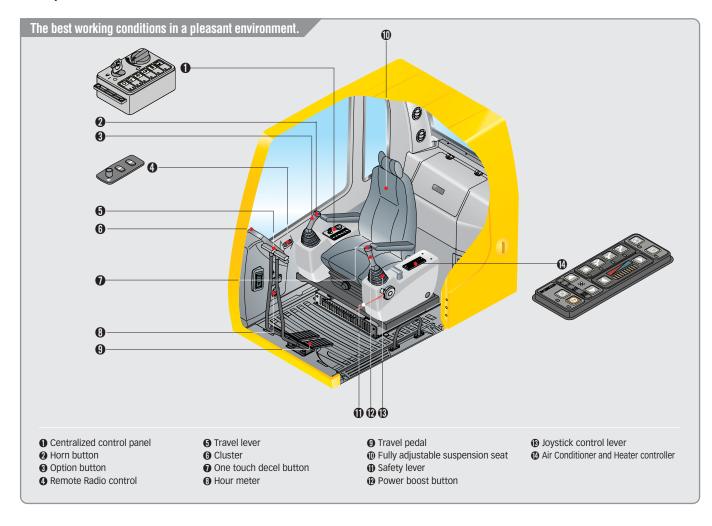
(Left: Power boost / One touch deceleration, Right: Horn/Optional)



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.



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



Remote Radio Control and Deluxe Cassette





Rise-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)



Rear Emergency Exit Window

Rear Exit Window is designed with easy



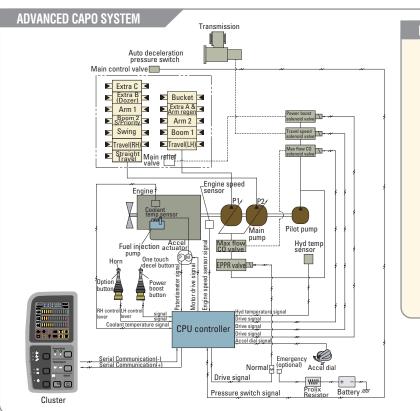
exit for operator's safety.

Hot & Cool 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 does go 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 reduceds cab noise levels.

One Touch Decel System

When the one touch decel switch is pressed, CPU controller controls the accel actuator 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.

NEW MODE CONTROL SYSTEM



▶ POWER MODE

H mode: High power S mode: Standard power

WORK MODE

- 5: Heavy duty work
- **5**: General work : Breaker

USER MODE

M mode: Maximum Power U mode: Memorizing Operator's Preferable Power Setting

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 restarting 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.

Pump Flow Control System

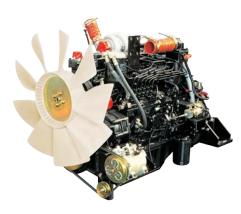
In neutral position: Pump flow is reduced to a minimum to eliminate power loss. In operation: Maximum pump flow is delivered to the actuator to increase the speed. With movement of the control lever, pump flow is automatically adjusted and the actuator speed can be proportionally controlled.

Hydraulic Damper in Travel Pedal

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

Mitsubishi S6S-DT ENGINE

The six cylinders turbo-charged and charged air cooled, engine is built for power, reliability and economy. This engine meets EPA tier II and EU stage II emission regulation.



Reliability You Can Depend On

Mitsubishi S6S-DT engine is ideal solution for the toughest work environment. The engine is built from a cast iron, skirted block with main bearing support between each cylinder. This combination provides maximum strength, rigidity, and crankshaft support. Special liquid cooling results in uniform temperature distribution.

Compact Engine Size

The compact size of the engine makes it easier to service than other engines.

The low engine height allows easy access for maintenance due to a side-mounted, geardriven camshaft.

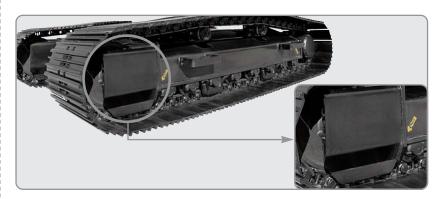
Reinforced Bucket and Bucket Linkage

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.



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.



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 incoporates heavy duty excavator style components. X-leg type center frame is integrally welded for maximum strength and durability.



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.

Handrails and foot steps are applied for safety



Side Cover with Left & Right Swing Open TypeEasy access to vital components gives unrestricted view of

component allows easy maintenance and repair.



Highly efficient Hydraulic Pump

Pump output and Hydraulic tank capacity have been increased.

A pilot pump has been installed resulting in improved control sensitivity.



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.



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.



Large tool box for extra storage



Specifications



Engine

Model			Mitsubishi S6S-DT		
Туре			Water cooled, 4 cycle Diesel, 4-Cylinders in line, Direct injection Turbocharged and Charge air cooled		
Rated	SAF	J1995 (gross)	126 HP (94 kW) at 2100 rpm		
flywheel	SAE	J1349 (net)	116 HP (87 kW) at 2100 rpm		
horse	DIN	6271/1 (gross)	128 PS (94 kW) at 2100 rpm		
power		6271/1 (net)	118 PS (87 kW) at 2100 rpm		
	Max. to	orque	42.5 kgf.m(307 lbf.ft) at 1500 rpm		
	Bore x	stroke	94 x 120 mm (3.70" x 4.72")		
	Piston		4996 cc (305 in³)		
Batteries			2 x 12 V x 100 AH		
Starting motor			24 V- 5.0kW		
Alternator			24V-50 Amp		
flywheel horse power	Max. to Bore x Piston Batterie Starting	J1349 (net) 6271/1 (gross) 6271/1 (net) orque stroke	126 HP (94 kW) at 2100 rpm 116 HP (87 kW) at 2100 rpm 128 PS (94 kW) at 2100 rpm 118 PS (87 kW) at 2100 rpm 42.5 kgf.m(307 lbf.ft) at 1500 rpm 94 x 120 mm (3.70" x 4.72") 4996 cc (305 in³) 2 x 12 V x 100 AH 24 V - 5.0kW		

Hydraulic system

Main pump					
Type			Two variable displacement piston pumps		
Rated flow			2 x 168 ∉min (44.4 US gpm / 37.0 UK gpm)		
Sub-pump for pilot of	ircuit		Gear pump		
Cross-sensing and fi	uel savir	ıg pı	ımp 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			330 kgf/cm² (4690 psi)		
Power boost (boom, a	ırm, bucl	ket)	360 kgf/cm² (5120 psi)		
Swing circuit			240 kgf/cm² (3410 psi)		
Pilot circuit			35 kgf/cm² (500 psi)		
Service valve			Installed		
Hydraulic cylinders					
	Boom	: 2-1	$15 \times 80 \times 1090 \text{ mm } (4.5" \times 3.1" \times 42.9")$		
No of oulinder			20 × 85 × 1340 mm (4.7" × 3.3" × 52.8")		
No. of cylinder- bore x rod x stroke	Bucket	: 1-1	$15 \times 80 \times 950 \text{ mm } (4.5" \times 3.1" \times 37.4")$		
23.0 % 100 % 00 010		1st	: 2-115×80×960 mm (4.5"×3.1"×37.8")		
	2-1.03	2nd	: 1-160×95×650 mm (6.3"×3.7"×25.6")		



Drives & Brakes

Drive method	Fully hydrostatic type
Drive motor	Axial piston motor, in-shoe design
Reduction system	RV gear
Max. drawbar pull	17000 kgf (37500 lbf)
Max. travel speed(high) / (low)	5.2 km/hr (3.2 mph) / 3.3 km/hr (2.1 mph)
Gradeability	30° (58 %)
Parking brake	Wet multi-disc



Control

Pilot operated joysticks and pedals easy 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, Accel Dial Switch
Lights	Two lights mounted on the boom one in the tool box

Swing system

Swing motor	Axial piston motor
Swing reduction	Planetary gear reduction
Swing bearing lubrication	Grease-bathed
Swing brake	Wet multi-disc
Swing speed	12.0 rpm



Coolant & Lubricant capacity

(refilling)	liter	US gal	UK gal
Fuel tank	260.0	68.7	57.2
Engine coolant	30	7.9	6.6
Engine oil	16.5	4.4	3.6
Swing device-gear oil	5	1.3	1.1
Final drive(each)-gear oil	5.4	0.8	0.7
Hydraulic system(including tank)	240	63.4	52.8
Hydraulic tank	160	42.3	35.2



Undercarriage

X-leg type center frame is integrally welded with reinforced boxsection track frames. The undercarriage includes lubricated rollers, idlers, track adjusters with shock absorbing spring sprockets, and track chain with 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	8
No. of rail guides on each side	2



Operating weight (approximate)

Operating weight, including 5.1m (16' 9") mono boom, 2.6m (8' 6") arm, SAE heaped 0.76 m3 (0.99 yd3) backhoe bucket, lubricant, coolant, full fuel tank, hydraulic tank and the standard equipment.

Major component weight	
Upperstructure	4,530kg (9,900 lb)
Counterweight	2,950kg (6,500 lb)
5.1m (16' 9")mono boom(with arm cylinder)	1,250kg (2,760 lb)
Hydraulic adjustable boom(with arm cylinder)	1,780kg (3,920 lb)

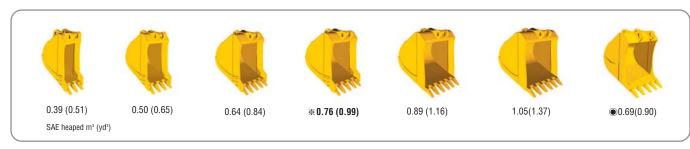
Operating weight

Shoes(Triple grouser) mm (in)	Operating weight kg (lb)	Ground pressure kgf/cm²(psi)	
500 (20")	17950 (39580)	0.49 (6.97)	
% 600 (24")	18200 (40120)	0.42 (5.97)	
700 (28")	18450 (40680)	0.36 (5.12)	
800 (32")	18700 (41230)	0.32 (4.55)	

^{*} Standard equipment

Backhoe attachment

Buckets



Capacity m³ (yd³)		Width	mm (in)		Recommendation m(ft.in)					
Gapacity	iii (yu)	vviutii	111111 (111)	 Weight kg(lb)	Boom % 5.1 (16' 9") 5.1 (16'9") Hydraulic ac		ılic adjustable boom			
SAE heaped	CECE heaped	Without side cutters	With side cutters		Arm	2.2 (7′ 3″)	※ 2.6 (8′ 6″)	3.1 (10′ 2″)	2.2 (7′ 3″)	2.6 (8′ 6″)
0.39(0.51)	0.34(0.44)	620(24.4)	740(29.1)	410(900)			•	•	•	•
0.50(0.65)	0.44(0.58)	760(29.9)	880(34.6)	470(1040)		•	•	•	•	•
0.64(0.84)	0.55(0.72)	920(36.2)	1040(40.9)	510(1120)		•	•	•	•	•
% 0.76(0.99)	0.65(0.85)	1060(41.7)	1180(46.5)	570(1260)		•	•	A	•	A
0.89(1.16)	0.77(1.01)	1220(48.0)	1340(52.8)	610(1340)		•	A	_	A	_
1.05(1.37)	0.90(1.18)	1400(55.1)	1520(59.8)	680(1500)	4		_	_	A	_
● 0.69(0.90)	0.62(0.81)	990(39.0)	-	700(1540)	•	•		A	•	A

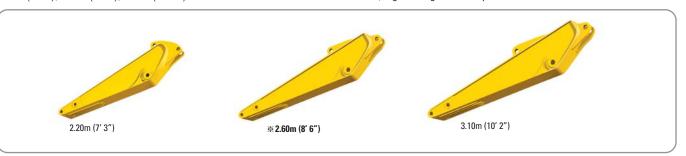
- Standard backhoe bucket
- : Heavy duty bucket

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

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Boom and arms are of all-welded, low-stress, full-box section design. 5.1m(16' 9") mono boom, 5.1m(16' 9") hydraulic adjustable boom and 2.20m(7' 3"), 2.60m(8' 6"), 3.10m(10' 2") arms are available. Buckets are all-welded, high-strength steel implements.





Digging force

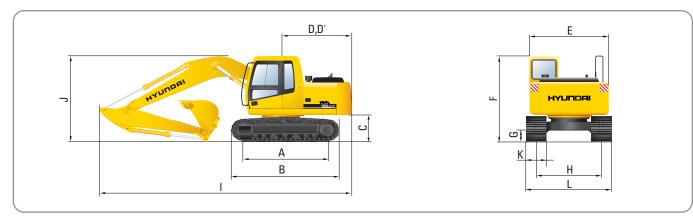
Arm	Length	m(ft.in)	2.20 (7′ 3″)	% 2.60 (8′ 6″)	3.10 (10′ 2″)	Remark	
AIIII	Weight	kg(lb)	750 (1560)	810 (1790)	890 (1960)	Hemaik	
Bucket digging	SAE	kN kgf Ibf	108.6 [118.4] 11070 [12080] 24410 [26630]		108.6 [118.4] 11070 [12080] 24410 [26630]		
force	ISO	kN kgf Ibf	124.5 [135.9] 12700 [13850] 28000 [30550]	12700 [13850]	124.5 [135.9] 12700 [13850] 28000 [30550]	[]:	
Arm	SAE	kN kgf Ibf	85.2 [93.0] 8690 [9480] 19160 [20900]	7650 [8350]	67.4 [73.5] 6870 [7490] 15150 [16530]	Power Boost	
crowd force	ISO	kN kgf Ibf	89.0 [97.1] 9080 [9910] 20020 [21840]	7910[8630]	69.4 [75.7] 7080 [7720] 15610 [17030]		

Standard arm

Note: Arm weight including bucket cylinder and linkage.

NEW 7 SERIES ROBEX 180LC-7

Dimensions R180LC-7 Mono boom

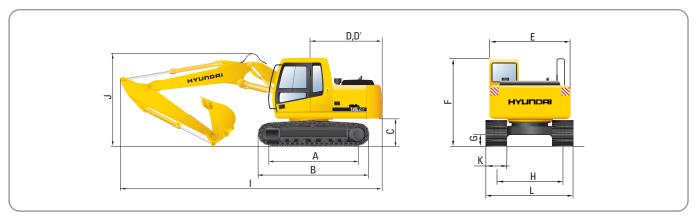


		mm (ft \cdot in)
A	Tumbler distance	3360 (11′ 0″)
В	Overall length of crawler	4190 (13′ 9″)
C	Ground clearance of counterweight	1050 (3′ 5″)
D	Tail swing radius	2530 (8′ 4″)
D'	Rear-end length	2480 (8′ 2″)
Е	Overall width of upperstructure	2475 (8′ 1″)
F	Overall height of cab	2915 (9′ 7″)
G	Min. ground clearance	460 (1' 6")
Н	Track gauge	2250 (7′ 5″)

							mm (ft · in)
	Boom length			* 5100	(16′ 9″)		
	Arm length	2200 (7′ 3″)			600 ' 6)		3100 (10′ 2″)
	Overall length	8620 (28′ 3″)		8600 (28′ 3″)			8600 (28′ 3″)
J	Overall height of boom	2960 (9′ 9″)		2910 (9′ 7″)			3090 (10′ 2″)
K	Track shoe width	500 (20")		% 600 (24")	700 (28"))	800 (32")
L	Overall width	2750 (9′ 1″)		2850 2950 (9′ 9″)			3050

Standard equipment

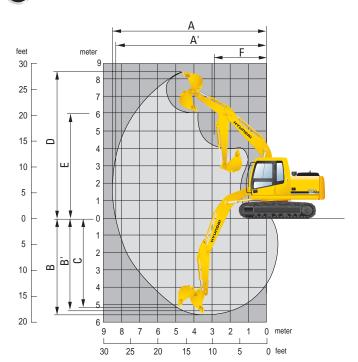
Dimensions R180LC-7 Hydraulic adjustable boom



		mm (ft · in)
A	Tumbler distance	3360 (11′ 0″)
В	Overall length of crawler	4190 (13′ 9″)
С	Ground clearance of counterweight	1050 (3′ 5″)
D	Tail swing radius	2530 (8′ 4″)
D'	Rear-end length	2480 (8′ 2″)
E	Overall width of upperstructure	2475 (8′ 1″)
F	Overall height of cab	2915 (9′ 7″)
G	Min. ground clearance	460 (1' 6")
Н	Track gauge	2250 (7′ 5″)

					mm (ft \cdot in)
	Boom length		5100 (16′ 9″)	
	Arm length	22 (7'			600 6")
ı	Overall length	85 (28'	80 2")		570 ′ 1″)
J	Overall height of boom	30 (9'	40 12")		050 ′ 0″)
K	Track shoe width	500 (20")	600 (24")	700 (28")	800 (32")
L	Overall width	2750 (9′ 1″)	2850 (9′ 5″)	2950 (9′ 9″)	3050 (10′ 1″)

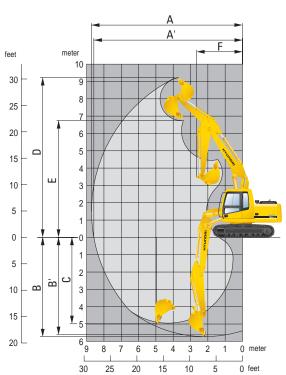
Working ranges



				mm (ft \cdot in)
	Boom length		※5100 (16′ 9″)	
	Arm length	2200 (6′ 3″)	% 2600 (8′ 6″)	3100 (10′ 2″)
A	Max. digging reach	8690 (28′ 6″)	9030 (29′ 8″)	9450 (31′ 0″)
A'	Max. digging reach on ground	8530 (27′ 12″)	8870 (29′ 1″)	9300 (30′ 6″)
В	Max. digging depth	5660 (18′ 7″)	6060 (19′ 11″)	6560 (21′ 6″)
B'	Max. digging depth(8' level)	5440 (17′ 10″)	5860 (19′ 3″)	6370 (20′ 11″)
С	Max. vertical wall digging depth	5140 (16′ 10″)	5440 (17′ 10″)	5730 (18′ 10″)
D	Max. digging height	8740 (28′ 8″)	8870 (29′ 1″)	8970 (29′ 5″)
E	Max. dumping height	6100 (20′ 0″)	6240 (20′ 6″)	6380 (20′ 11″)
F	Min. swing radius	3180 (10′ 5″)	3170 (10′ 5″)	3180 (10′ 5″)

Standard equipment

Working ranges



			mm (ft \cdot in)
	Boom length	5100 ((16′ 9″)
	Arm length	2200 (7′ 3″)	2600 (8′ 6″)
A	Max. digging reach	8750 (28′ 8″)	9110 (29′ 11″)
A'	Max. digging reach on ground	8600 (28′ 3″)	8960 (29′ 5″)
В	Max. digging depth	5460 (17′ 11″)	5830 (19′ 2″)
B'	Max. digging depth(8' level)	5350 (17′ 7″)	5750 (18′ 10″)
C	Max. vertical wall digging depth	4670 (15′ 4″)	5030 (16′ 6″)
D	Max. digging height	9390 (30′ 10″)	9600 (31′ 6″)
E	Max. dumping height	6680 (21′ 11″)	6900 (22′ 8″)
F	Min. swing radius	3130 (10′ 3″)	2970 (9′ 9″)

Lifting Capacities LIFTING CAPACITIES 16/17



Lifting capacities R180LC-7 Mono boom

Rating over-side or 360 degree Rating over-front

• Boom: 5.10 m (16' 9") • Arm: 2.20 m (7' 3") • Bucket: 0.76 m³ (0.99 yd³) SAE heaped • Shoe: 600 mm(24") triple grouser with 2,950 kg (6,500 lb) CWT

Landon Sut					Load	radius					At max. reach	
Load point		1.5 m	(5.0 ft)	3.0 m(10.0 ft)	4.5 m(15.0 ft)	6.0 m(20.0 ft)	Сар	acity	Reach
height m(ft)		r r										m (ft)
7.5 m 25.0 ft	kg Ib		 		 		 		 	*3380 * 7450	*3380 * 7450	5.81 (19.1)
6.0 m 20.0 ft	kg Ib									*3320 * 7320	2730 6020	7.16 (23.5)
4.5 m 15.0 ft	kg Ib		 		 	*4240 * 9350	*4240 * 9350	*3800 * 8380	3590 7910	*3340 * 7360	2230 4920	7.92 (26.0)
3.0 m	kg		 	*8440	*8440	*5370	*5370	*4250	3450	3230	2010	8.30
10.0 ft 1.5 m	lb kg			*18610	*18610	*11840 *6520	* 11840 5100	* 9370 *4780	7610 3290	7120 3160	4430 1950	(27.2) 8.34
5.0 ft	lb		 	*0700	*0700	*14370	11240	*10540	7250	6970	4300	(27.4)
Ground Line	kg Ib			*6730 * 14840	*6730 * 14840	*7130 * 15720	4870 10740	*5110 * 11270	3170 6990	3310 7300	2030 4480	8.06 (26.4)
-1.5 m -5.0 ft	kg Ib	*6630 * 14620	*6630 * 14620	*10510 * 23170	9380 20680	*7050 * 15540	4810 10600	*5050 * 11130	3120 6880	*3580 * 7890	2330 5140	7.42 (24.3)
-3.0 m -10.0 ft	kg Ib	*10580 * 23320	*10580 * 23320	*8940 * 19710	*8940 * 19710	*6190 * 13650	4870 10740		I I	*3360 * 7410	3090 6810	6.28 (20.6)
-4.5 m -15.0 ft	kg Ib	20020		*5810 * 12810	*5810 * 12810	13030			: 	7410		(20.0)

• Boom: 5.10 m (16' 9") • Arm: 2.60 m (8' 6") • Bucket: 0.76 m³ (0.99 yd³) SAE heaped • Shoe: 600 mm(24") triple grouser with 2,950 kg (6,500 lb) CWT

• BOOM : 5.10 III (10 8	, ,		(0 0) D u	01.00	1 (0.00 ya / c		radius	0 IIIII(21) ti	ipio grouodi	WICH 2,000 I	.g (0,000 lb)		t max. reac	h
Load point		1 E m	(5.0 ft)	2.0 m/	10.0 ft)		15.0 ft)	6.0 m/s	20.0 ft)	7.5 m(2	E 0 (t)			
height		1.3 11	1(3.0 11)	•	10.0 11)	4.5 111(13.0 11)	0.0 111(.	20.0 11)		3.0 11)	Capa	icity	Reach
m(ft)								Ů						m (ft)
7.5 m 25.0 ft	kg Ib		 		 		 		 			*3060 * 6750	*3060 * 6750	6.33 (20.8)
6.0 m 20.0 ft	kg Ib				 		 	*2730 * 6020	*2730 * 6020			*3040 * 6700	2480 5470	7.56 (24.8)
4.5 m 15.0 ft	kg Ib				 			*3480 * 7670	*3480 * 7670			*3090 * 6810	2050 4520	8.28 (27.2)
3.0 m 10.0 ft	kg Ib		i i	*7340 * 16180	*7340 * 16180	*4920 * 10850	*4920 * 10850	*3970 * 8750	3460 7630	*2540 *5600	2340 5160	3010 6640	1850 4080	8.64 (28.3)
1.5 m 5.0 ft	kg Ib		 	*7700 * 16980	*7700 * 16980	*6170 * 13600	5120 11290	*4550 * 10030	3280 7230	*3320 * 7320	2270 5000	2940 6480	1790 3950	8.68 (28.5)
Ground Line	kg Ib		 	*7450 * 16420	*7450 * 16420	*6950 * 15320	4850 10690	*4980 * 10980	3130 6900	*3150 * 6940	2200 4850	3050 6720	1860 4100	8.42 (27.6)
-1.5 m - 5.0 ft	kg Ib	*6320 * 13930	*6320 * 13930	*10020 * 22090	9260 20410	*7070 * 15590	4740 10450	*5050 * 11130	3060 6750			*3430 * 7560	2100 4630	7.81 (25.6)
-3.0 m -10.0 ft	kg Ib	*9350 * 20610	*9350 * 20610	*9550 * 21050	9390 20700	*6450 * 14220	4770 10520	*4500 * 9920	3090 6810			*3350 * 7390	2700 5950	6.75 (22.1)
-4.5 m -15.0 ft	kg Ib		 	*6930 * 15280	*6930 * 15280	*4590 * 10120	*4590 * 10120		 			 		

• Boom: 5.10 m (16'9") • Arm: 3.10 m (11'1") • Bucket: 0.76 m³ (0.99 yd³) SAE heaped • Shoe: 600 mm(24") triple grouser with 2,950 kg (6,500 lb) CWT

						Load	radius					P	t max. reacl	h
Load point		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(2	25.0 ft)	Cap	acity	Reach
height m(ft)														m (ft)
7.5 m	kg						1		1			*2700	*2700	6.92
25.0 ft	lb						i		İ			*5950	*5950	(22.7)
6.0 m	kg						l I	*2620	*2620			*2730	2200	8.05
20.0 ft	lb							*5780	*5780			*6020	4850	(26.4)
4.5 m	kg							*3090	*3090	*1910	*1910	*2800	1840	8.73
15.0 ft	lb						l	*6810	*6810	*4210	*4210	*6170	4060	(28.6)
3.0 m	kg					*4350	*4350	*3620	3460	*2820	2330	2690	1660	9.06
10.0 ft	lb					*9590	*9590	*7980	7630	*6220	5140	5930	3660	(29.7)
1.5 m	kg			*9480	*9480	*5700	5150	*4260	3260	*3540	2240	2620	1610	9.10
5.0 ft	lb			*20900	*20900	*12570	11350	*9390	7190	*7800	4940	5780	3550	(29.9)
Ground	kg			*8230	*8230	*6680	4820	*4790	3090	3490	2150	2710	1660	8.85
Line	lb			*18140	*18140	*14730	10630	*10560	6810	7690	4740	5970	3660	(29.0)
-1.5 m	kg	*5980	*5980	*9760	9120	*7020	4670	4890	2990	*2950	2110	3000	1850	8.28
-5.0 ft	lb	*13180	*13180	*21520	20110	*15480	10300	10780	6590	*6500	4650	6610	4080	(27.2)
-3.0 m	kg	*8450	*8450	*10130	9180	*6670	4650	*4720	2980			*3270	2300	7.30
-10.0 ft	Ιb	*18630	*18630	*22330	20240	*14700	10250	*10410	6570			*7210	5070	(24.0)
-4.5 m	kg	*11670	*11670	*8010	*8010	*5360	4770		i					
-15.0 ft	lb	*25730	*25730	*17660	*17660	*11820	10520		 				 	

Lifting capacity are 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.

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 R180LC-7 Hydraulic adjustable boom

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• Boom: 5.10 m (16' 9") • Arm: 2.20 m (7' 3") • Bucket: 0.76 m³ (0.99 yd³) SAE heaped • Shoe: 600 mm(24") triple grouser with 2,950 kg (6,500 lb) CWT

Landonius.						Load	radius						At max. rea	ch
Load point		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)	Capa	acity	Re
height m(ft)						r ^T								(
6.0 m	kg				l I		l I		 			*3370	2670	7
20.0 ft	lb						1					*7430	5890	(2
4.5 m	kg						1	*3840	3600			*3340	2180	7
15.0 ft	lb						i	*8470	7940		1	*7360	4810	(3
3.0m	kg					*5410	*5410	*4260	3450		1	3200	1960	8
10.0 ft	lb					*11930	*11930	*9390	7610			7050	4320	(2
1.5 m	kg					*6470	5080	*4740	3270	*3220	2270	3140	1900	8
5.0 ft	lb				l I	*14260	11200	*10450	7210	*7100	5000	6920	4190	(2
Ground	kg			*5880	*5880	*7010	4840	*5030	3140			3290	2000	8
Line	lb			*12960	*12960	*15450	10670	*11090	6920		i	7250	4410	(2
-1.5 m	kg	*5870	*5870	*9760	9340	*6870	4780	*4920	3100			*3320	2290	7
-5.0 ft	lb	*12940	*12940	*21520	20590	*15150	10540	*10850	6830			*7320	5050	(2
-3.0 m	kg			*8470	*8470	*5920	4860					*2910	*2910	6
-10.0 ft	lb			*18670	*18670	*13050	10710		1		I .	*6420	*6420	(2

• Boom: 5.10 m (16'9") • Arm: 2.60 m (8'6") • Bucket: 0.76 m³ (0.99 yd³) SAE heaped • Shoe: 600 mm(24") triple grouser with 2,950 kg (6,500 lb) CWT

land maint						Load	radius						At max. rea	ch
Load point		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)	Сар	acity	Reach
height m(ft)										r r				m (ft)
6.0 m	kg		1		I I		1		1			*3100	2410	7.66
20.0 ft	lb				į				į.			*6830	5310	(25.1)
4.5 m	kg											*3090	2000	8.37
15.0 ft	lb		1		1		I I					*6810	4410	(27.5)
3.0m	kg		1		1			*3990	3460	*2920	2330	2970	1800	8.72
10.0 ft	lb		1		1		I I	*8800	7630	*6440	5140	6550	3970	(28.6)
1.5 m	kg		1	*6670	*6670	*6150	5110	*4530	3260	*3680	2250	2900	1740	8.77
5.0 ft	lb			*14700	*14700	*13560	11270	*9990	7190	*8110	4960	6390	3840	(28.8)
Ground	kg			*6670	*6670	*6860	4820	*4910	3110	3630	2190	3020	1820	8.50
Line	lb		 	*14700	*14700	*15120	10630	*10820	6860	8000	4830	6660	4010	(27.9)
-1.5 m	kg	*5710	*5710	*9370	9220	*6910	4710	*4940	3040		1	*3180	2060	7.90
-5.0 ft	lb	*12590	*12590	*20660	20330	*15230	10380	*10890	6700		İ	*7010	4540	(25.9)
-3.0 m	kg	*8910	*8910	*9130	*9130	*6210	4750	*4310	3080		1	*2940	2640	6.86
-10.0 ft	lb	*19640	*19640	*20130	*20130	*13690	10470	*9500	6790			*6480	5820	(22.5)
-4.5 m	kg			*6310	*6310	*4190	4190		1					
-15.0 ft	lb		1	*13910	*13910	*9240	9240		1					

Lifting capacity are 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.

3. The load point is a hook (standard equipment) located on the back of the bucket. 4. (*) indicates load limited by hydraulic capacity.



CERES SYSTEM

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http://ceres.hhi.co.kr

NEW 7 SERIES ROBEX 180LC-7