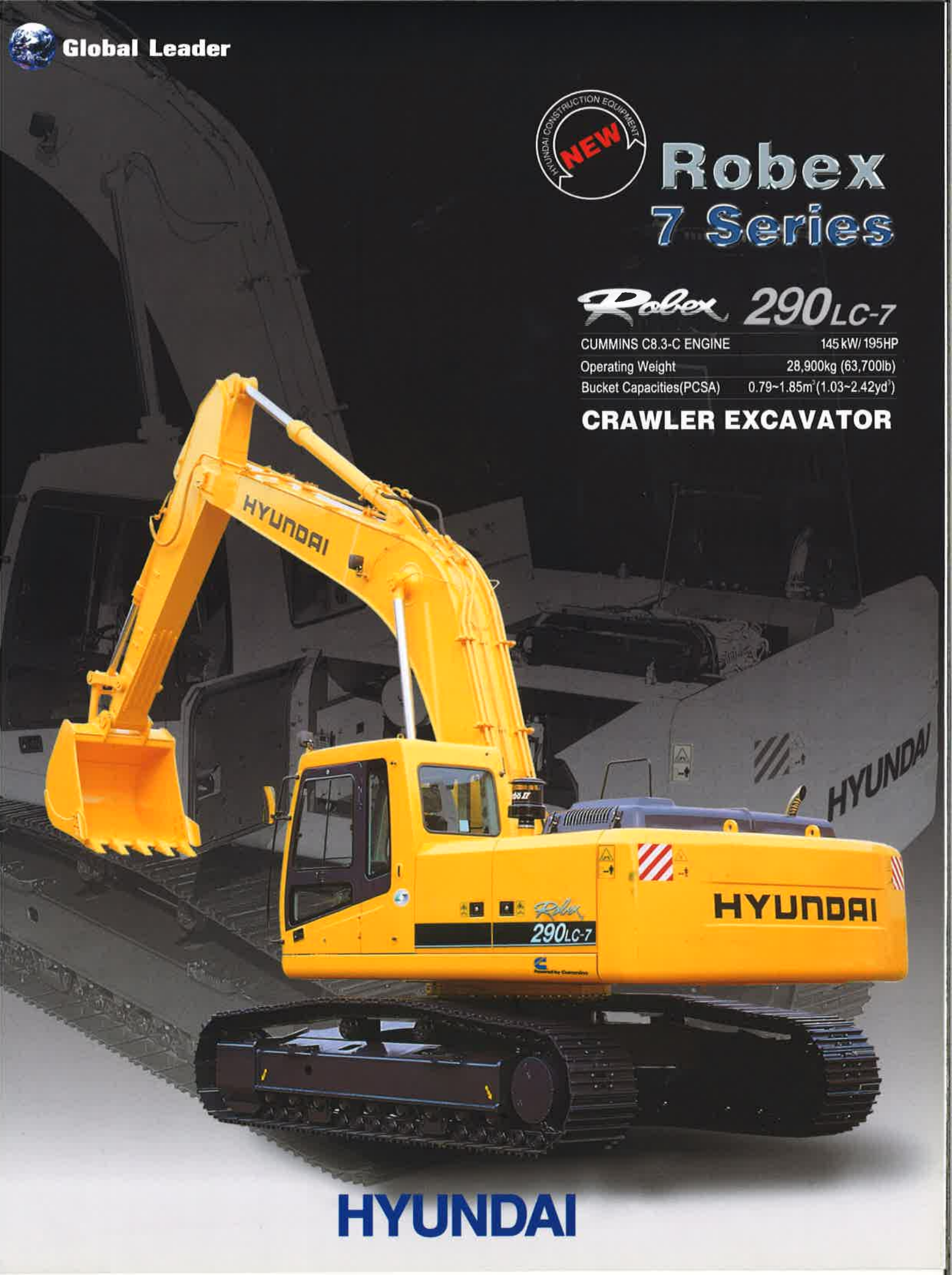
Global Leader



HYUNDAI

TECHNOLOGY IN CAB DESIGN

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

1. Visibility

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

2. 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.

3. 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.

4. Lower Sound Level

- The Robex 290LC-7 was designed with low sound levels 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-dampening material also reduces noise.


HYUNDAI

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.

Raise-up Wiper and CabinLights

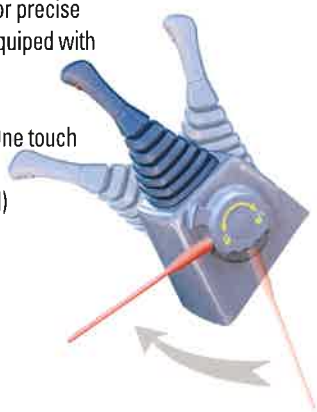
Raise-up wiper has enhanced for the better front view. Cabin Lights enhances safety by brightly lighting the surroundings during night work(optional)

Remote Radio Control and Deluxe Speakers

Highly Sensitive Joystick and Easy Entrance

New joystick grips for precise control have been equiped 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.

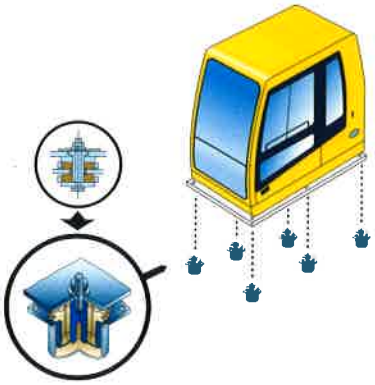
Smooth Travel Pedal and Foot Rests

Improved Intelligent Display

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

Minimization of Shock and Vibration through Cab Mounting System

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



Wide, Comfortable Operating Space

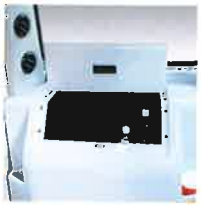
All the controls are designed and positioned according to the latest ergonomic research.
Reinforced pillars have also been added for greater cab rigidity.

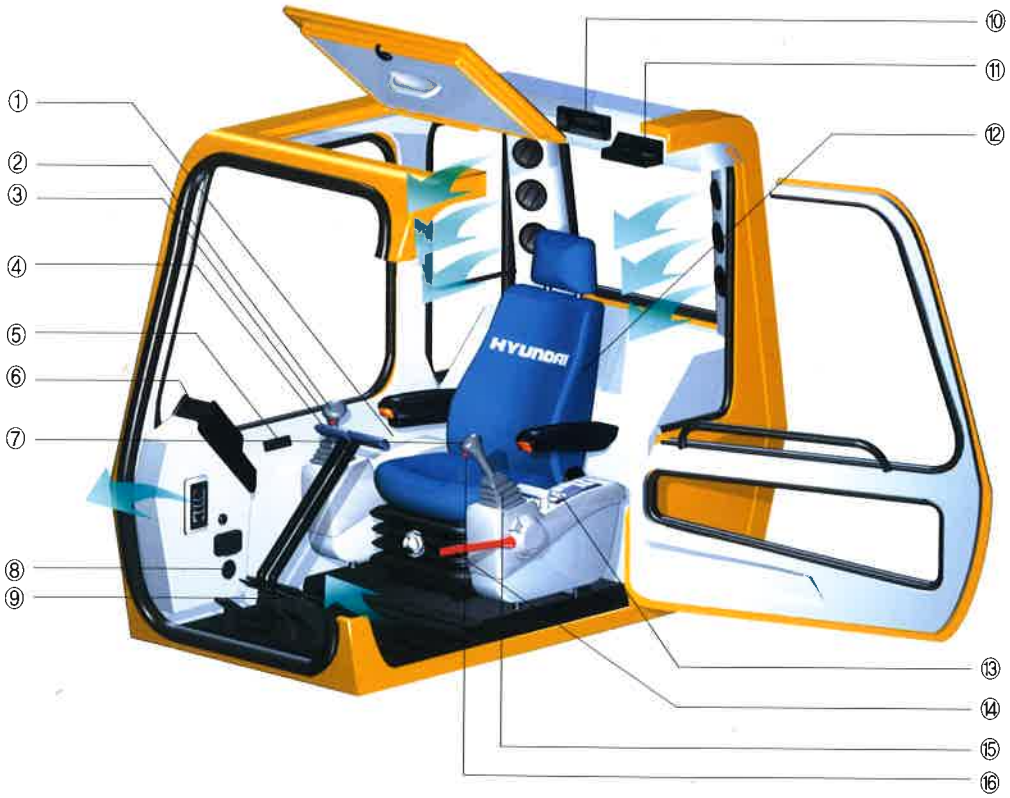
Rear Emergency Exit Window

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 warm.

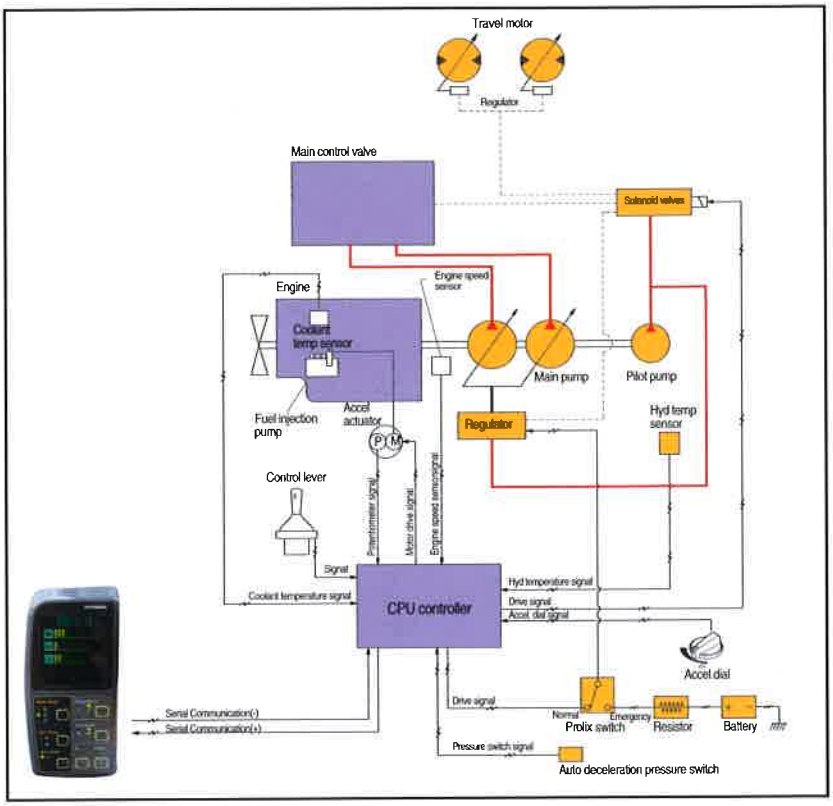




① Centralized control pannel
② Horn button
③ Optional button
④ Travel lever
⑤ Remote Radio control
⑥ Cluster
⑦ One touch decel button
⑧ Hour meter
⑨ Travel pedal
⑩ Cassette and control panel (optional)
⑪ Self locking device
⑫ Fully adjustable suspension seat
⑬ Air Conditioner and Heater controller
⑭ Safety lever
⑮ Joystick control lever
⑯ Power boost button

ADVANCED HYDRAULIC SYSTEM

ADVANCED CAPO SYSTEM



Advanced CAPO System

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

Self Diagnosis System

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

■ NEW MODE CONTROL SYSTEM

▶ **POWER MODE**
H mode : High power
S mode : Standard power

▶ **WORK MODE**
: Heavy duty work
: General work
: Breaker

▶ **USER MODE**
Memorizing Operator's Preferable Power Setting(M1, M2)

Arm Flow Regeneration System

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

Boom & Arm Hoding 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 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.

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.

NCREASED HIGHER PERFORMANCE

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.

CUMMINS C8.3-C ENGINE

The six cylinders, turbo-charged, 4 cycle, aftercooled engine is built for power, reliability, economy and low emissions.

Simple Design

The Cummins B5.9-C engine has been designed with 40% fewer parts than the competition. That means there's less that can go wrong when you need it most. It also means fewer parts to inventory. Repairs are simplified because no special tools are needed for maintenance. The weight of the machine is reduced without sacrificing strength.

Reinforced Bucket and Bucket Linkage

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

Powerful and Preciser Swing Control

Improved shock absorbing characteristics make stopping a precise and smooth action

RELIABILITY & SERVICEABILITY

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.

Centralized Electric Control Box and Easy Change Air Cleaner Assembly

Electric control box and Air cleaner are centralized in a 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.

Large tool box for extra storage.


HYUNDAI
HYUNDAI
290LC-7

Engine

Model ..... Cummins C8.3-C
Type ..... Watercooled, 4 cycle Diesel, 6-Cylinders in line, direct injection, turbocharged and low emission
Rated flywheel horse power
SAE J1349 (gross) ..... 195 HP (145 kW) at 1900rpm
(net) ..... 183 HP (137 kW) at 1900rpm
DIN 6271/1 (gross) ..... 198 PS (145 kW) at 1900rpm
6271/1 (net) ..... 186 PS (137 kW) at 1900rpm
Max. torque ..... 81.3kgf·m(588lbf·ft) at 1500rpm
Bore x stroke ..... 114 ×135mm(4.5"×5.3")
Piston ..... 8,270cc (505 cu in)
Batteries ..... 2×12V×160 AH
Starting motor 24V
Alternator 50Amp

Hydraulic system

Main pump
Type ..... Two variable displacement piston pumps
Max. flow ..... 2×260ℓ /min (68.7 US gpm/57.2 UKgpm)
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 ..... 330 kgf/cm² (4690 psi)
Power Boost (boom, arm, bucket) ..... 360 kgf/cm² (5120 psi)
Swing circuit ..... 265 kgf/cm² (3770 psi)
Pilot circuit ..... 35 kgf/cm² (500 psi)
Service valve ..... Installed

Hydraulic cylinders
No. of cylinder-bore × rod × stroke
Boom : 2 - 140 × 100 × 1465mm (5.5" × 3.9" × 57.7")
Arm : 1 - 150 × 110 × 1765mm (5.9" × 4.3" × 69.5")
Bucket : 1 - 140 × 95 × 1185mm (5.5" × 3.7" × 46.7")

Drives & Brakes

Drive method ..... Fully hydrostatic type
Drive motor ..... Axial piston motor, in-shoe design
Reduction system ..... Planetary reduction gear

Max. drawbar pull ..... 29500 kgf (65000 lbf)
Max. travel speed(high) ..... 5.2 km/hr (3.2 mph)
(low) ..... 3.1 km/hr (1.9 mph)

Gradeability ..... 35° (70%)
Parking brake ..... multi wet disc

Controls

Pilot pressure operated joysticks and pedals with detachable lever provide almost effortless and fatigueless operation.

Pilot control ..... Two joysticks with one safety lever (LH): Swing and arm, (RH): Boom and bucket(ISO)
Traveling and steering ..... Two levers with pedals
Engine throttle ..... Electric, Dial type
External Lights ..... Two lights mounted on the boom, one under the battery box

Swing system

Swing motor ..... Axial piston motor
Swing reduction ..... Planetary gear reduction
Swing bearing lubrication ..... Grease-bathed
Swing brake ..... multi wet disc
Swing speed ..... 11.0 rpm

Coolant & Lubricant capacity

(refilling)	1iter	US gal	UK gal
Fuel tank	425.0	112.3	93.5
Engine coolant	50.0	13.2	11.0
Engine oil	19.0	5.0	4.2
Swing device	7.0	1.8	1.5
Final drive(each)	11.0	2.9	2.4
Hydraulic system	320.0	84.5	70.4
Hydraulic tank	210.0	55.5	46.2

Undercarriage

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

Center frame ..... X-leg type
Track frame ..... Pentagonal box type
No. of shoes on each side 48
No. of carrier roller on each side 2
No. of track roller on each side 9
No. of rail guides on each side 2

Operating weight (approximate)

Operating weight, including 6.25m (20'6") boom, 3.05m (10'0") arm, PCSA heaped 1.27m³ (1.66yd³) backhoe bucket, lubricant, coolant, full fuel tank, hydraulic tank and the standard equipment.

Major component weight
Upperstructure ..... 7,040kg (15,520 lb)
Counterweight ..... 4,700kg (10,400 lb)
Mono Boom(with arm cylinder) ..... 2,670kg (5,900 lb)

Operating weight

Shoes (Triple grouser)	Operating weight	Ground pressure
600mm (23.6")	28900kg (63710lb)	0.55kgf/cm² (7.82psi)
700mm (27.6")	29480kg (64990lb)	0.48kgf/cm² (6.83psi)
800mm (31.5")	30060kg (66270lb)	0.43kgf/cm² (6.11psi)
900mm (35.4")	30640kg (67550lb)	0.38kgf/cm² (5.40psi)

Buckets

PCSA heaped m^3 (yd^3)

0.79 (1.03) | 1.03 (1.35) | ※1.27 (1.66) | 1.50 (1.96) | 1.73 (2.26) | 1.85 (2.42) | ▲1.07 (1.40) 1.27 (1.66) 1.46 (1.91) | ◉1.16 (1.52)

Capacity m^3 (yd^3)		Width mm (in)		Weight kg(lb)	Recommendation mm(ft.in)			
					Boom	6250 (20' 6")		
PCSA heaped	CECE heaped	Without side cutters	With side cutters		Arm	2100 (6' 11")	2500 (8' 2")	3050 (10' 0")	3750 (12' 4")
0.79 (1.03)	0.70 (0.92)	890 (32)	1010 (39.8)	740 (1630)		●	●	●	●
1.03 (1.35)	0.90 (1.18)	1090 (43)	1210 (47.6)	850 (1870)		●	●	●	■
※ **1.27 (1.66)**	**1.10 (1.44)**	**1290 (50.8)**	**1410 (55.5)**	**960 (2120)**		●	●	■	▲
1.50 (1.96)	1.30 (1.70)	1490 (58.7)	1610 (63.4)	1020 (2250)		●	■	▲	–
1.73 (2.26)	1.50 (1.96)	1696 (66.8)	-	1120 (2470)		▲	▲	–	–
1.85 (2.42)	1.60 (2.09)	1800 (70.9)	-	1160 (2560)		▲	–	–	–
▲ 1.07 (1.40)	0.95 (1.24)	1060 (42.0)	-	1100 (2420)		●	●	●	■
▲ 1.27 (1.66)	1.10 (1.44)	1220 (48.0)	-	1130 (2490)		●	●	■	▲
▲ 1.46 (1.91)	1.28 (1.67)	1370 (54.0)	-	1260 (2780)		●	■	▲	–
◉ 1.16 (1.52)	1.00 (1.05)	1305 (51.4)	-	1260 (2780)		●	●	■	–

■ : Standard backhoe bucket
▲ : Heavy-duty
◉ : Rock bucket-Heavy

● Applicable for materials with density of 2,000 kg / m^3 (3,370 lb/ yd^3) or less
■ Applicable for materials with density of 1,600 kg / m^3 (2,700 lb/ yd^3) or less
▲ Applicable for materials with density of 1,100 kg / m^3 (1,850 lb/ yd^3) or less

Backhoe attachment

Boom and arms are of all-welded, low-stress, full-box section design. 6.25m(20′ 6″) boom and 2.10m(6′ 11″), 2.50m(8′ 2″), 3.05m(10′ 0″), 3.75m(12′ 4″) arms are available. Buckets are all-welded, high-strength steel implements.

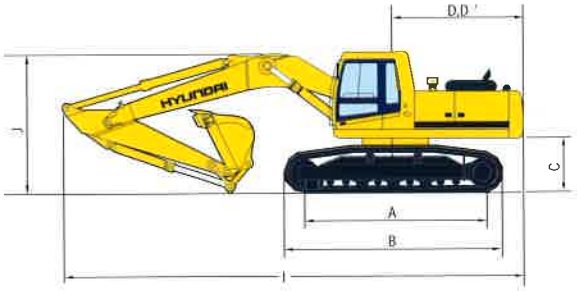
2.10 m (6′ 11″) | 2.50 m (8′ 2″) | ※ 3.05 m (10′ 0″) | 3.75 m (12′ 4″)

Digging force

Arm	Length	mm(ft.in)	2100 (6′ 11″)	2500 (8′ 2″)	※ **3050 (10′ 0″)**	3750 (12′ 4″)	Remark
	Weight	kg(lb)	1410 (3110)	1390 (3060)	**1500 (3310)**	1640 (3620)	
Bucket digging force	SAE	kN	168.7 [184]	168.7 [184]	**168.7 [184]**	168.7 [184]	[ ]: Power Boost
		kgf	17200 [18760]	17200 [18760]	**17200 [18760]**	17200 [18760]	
		lbf	37920 [41370]	37920 [41370]	**37920 [41370]**	37920 [41370]	
	ISO	kN	192.2 [209.7]	192.2 [209.7]	**192.2 [209.7]**	192.2 [209.7]	
		kgf	19600 [21380]	19600 [21380]	**19600 [21380]**	19600 [21380]	
		lbf	43210 [47140]	43210 [47140]	**43210 [47140]**	43210 [47140]	
Arm crowd force	SAE	kN	169.7 [185.1]	147.1 [160.5]	**123.6 [134.8]**	108.9 [118.8]	
		kgf	17300 [18870]	15000 [16360]	**12600 [13750]**	11100 [12110]	
		lbf	38140 [41610]	33070 [36080]	**27780 [30310]**	24470 [26690]	
	ISO	kN	177.5 [193.6]	154.0 [168.0]	**128.5 [140.2]**	111.8 [122.0]	
		kgf	18100 [19750]	15700 [17130]	**13100 [14290]**	11400 [12440]	
		lbf	39900 [43530]	34610 [37760]	**28880 [31510]**	25130 [27410]	

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

Dimensions



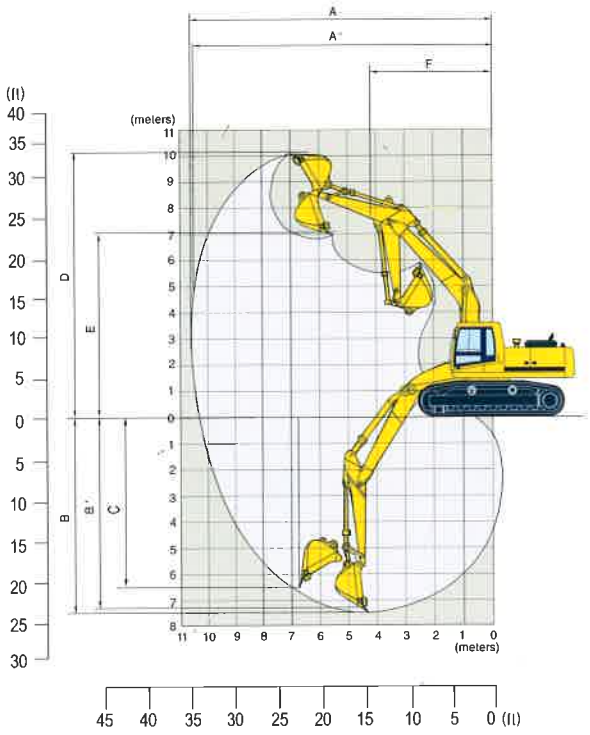
mm (ft · in)

A	Tumbler distance	**4030** (13′ 3″)
B	Overall length of crawler	**4940** (16′ 2″)
C	Ground clearance of counterweight	**1190** (3′ 11″)
D	Tail swing radius	**3200** (10′ 6″)
D'	Rear-end length	**3120** (10′ 3″)
E	Overall width of upperstructure	**2980** (9′ 9″)
F	Overall height of cab	**3010** (9′ 11″)
G	Min. ground clearance	**500** (1′ 8″)
H	Track gauge	**2600** (8′ 6″)

	Boom length	※6250 (20' 6")			
	Arm length	2100 (6′ 11″)	2500 (8′ 2″)	※ **3050 (10′ 0″)**	3750 (12′ 4″)
I	Overall length	10700 (35′ 1″)	10650 (34′ 11″)	**10560 (34′ 8″)**	10630 (34′ 11″)
J	Overall height of boom	3590 (11′ 9″)	3470 (11′ 4″)	**3290 (10′ 10″)**	3500 (11′ 6″)

K	Track shoe width	※ **600 (23.6″)**	700 (27.6″)	800 (31.5″)	900 (35.4″)
L	Overall width	**3200 (10′ 6″)**	3300 (10′ 10″)	3400 (11′ 2″)	3500 (11′ 6″)

Working ranges



mm (ft · in)

	Boom length	※6250 (18' 8")			
	Arm length	2100 (6′ 11″)	2500 (8′ 2″)	※ **3050 (10′ 0″)**	3750 (12′ 4″)
A	Max. digging reach	10020 (32′ 10″)	10280 (33′ 7″)	**10820 (35′ 6″)**	11400 (37′ 5″)
A'	Max. digging reach on ground	9820 (32′ 3″)	10080 (33′ 1″)	**10620 (34′ 10″)**	11220 (36′ 10″)
B	Max. digging depth	6440 (21′ 1″)	6840 (22′ 5″)	**7500 (24′ 7″)**	8090 (26′ 7″)
B'	Max. digging depth (8' level)	6240 (20′ 6″)	6630 (21′ 9″)	**7300 (23′ 11″)**	7920 (26′ 0″)
C	Max. vertical wall digging depth	6000 (19′ 8″)	5850 (19′ 2″)	**6410 (21′ 0″)**	7080 (23′ 3″)
D	Max. digging height	10070 (33′ 0″)	10110 (33′ 2″)	**10160 (33′ 4″)**	10360 (34′ 0″)
E	Max. dumping height	6940 (22′ 9″)	7030 (23′ 1″)	**7110 (23′ 4″)**	7310 (24′ 0″)
F	Min. swing radius	4380 (14′ 4″)	4260 (14′ 0″)	**4230 (13′ 11″)**	4140 (13′ 7″)

※ **Standard Equipment**

Lifting capacities

Boom : 6.25m (20'6") Bucket : 1.27m³ PCSA heaped
Arm : 2.1m (6'11") Shoe : 600 mm(24") triple grouser with 4.7ton(10,400 lb) counterweight

Rating over-front
Rating over-side or 360 degree

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)
7.5 m (25.0 ft)	kg					*5760	*5760			*5290	4470	8.01
	lb					*12700	*12700			*11660	9850	(26.3)
6.0 m (20.0 ft)	kg					*6090	*6090	*5900	4830	*5380	3570	8.90
	lb					*13430	*13430	*13010	10650	*11860	7870	(29.2)
4.5 m (15.0 ft)	kg			*8940	*8940	*7040	6910	*6210	4710	5150	3120	9.42
	lb			*19710	*19710	*15520	15230	*13690	10380	11350	6880	(30.9)
3.0 m (10.0 ft)	kg			*11660	9960	*8270	6440	*6800	4490	4870	2910	9.64
	lb			*25710	21960	*18230	14200	*14990	9900	10740	6420	(31.6)
1.5 m (5.0 ft)	kg			*13520	9270	*9370	6050	7160	4290	4860	2880	9.58
	lb			*29810	20440	*20660	13340	15790	9460	10710	6350	(31.4)
Ground Line	kg			*14060	9060	10010	5830	7010	4150	5130	3050	9.23
	lb			*31000	19970	22070	12850	15450	9150	11310	6720	(30.3)
-1.5 m (-5.0 ft)	kg	*13470	*13470	*13770	9080	9940	5770	6980	4120	5830	3490	8.57
	lb	*29700	*29700	*30360	20020	21910	12720	15390	9080	12850	7690	(28.1)
-3.0 m (-10.0 ft)	kg	*17570	*17570	*12710	9260	*9440	5870			*6180	4490	7.47
	lb	*38740	*38740	*28020	20410	*20810	12940			*13620	9900	(24.5)
-4.5 m (-15.0 ft)	kg	*14150	*14150	*10330	9660							
	lb	*31200	*31200	*22770	21300							

Boom : 6.25m (20′ 6″) Bucket : 1.27m³ PCSA heaped
Arm : 2.50m (8′ 2″) Shoe : 600 mm(24″) triple grouser with 4.7ton(10,400 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)		Capacity		Reach
														m (ft)
7.5 m (25.0 ft)	kg											*4880	4230	8.34
	lb											*10760	9330	(27.4)
6.0 m (20.0 ft)	kg									*5470	4940	*5020	3420	9.19
	lb									*12060	10890	*11070	7540	(30.2)
4.5 m (15.0 ft)	kg					*8180	*8180	*6610	*6610	*5880	4780	4950	2990	9.69
	lb					*18030	*18030	*14570	*14570	*12960	10540	10910	6590	(31.8)
3.0 m (10.0 ft)	kg					*10910	10210	*7890	6550	*6530	4550	4680	2790	9.90
	lb					*24050	22510	*17390	14440	*14400	10030	10320	6150	(32.5)
1.5 m (5.0 ft)	kg					*13040	9410	*9080	6120	7190	4320	4650	2750	9.84
	lb					*28750	20750	*20020	13490	15850	9520	10250	6060	(32.3)
Ground Line	kg					*13950	9080	*9870	5850	7020	4160	4880	2890	9.51
	lb					*30750	20020	*21760	12900	15480	9170	10760	6370	(31.2)
-1.5 m (-5.0 ft)	kg			*14370	*14370	*13930	9030	9910	5740	6950	4090	5480	3270	8.87
	lb			*31680	*31680	*30710	19910	21850	12650	15320	9020	12080	7210	(29.1)
-3.0 m (-10.0 ft)	kg	*16270	*16270	*18700	*18700	*13110	9160	*9690	5800			*6310	4100	7.82
	lb	*35870	*35870	*41230	*41230	*28900	20190	*21360	12790			*13910	9040	(25.7)
-4.5 m (-15.0 ft)	kg			*15620	*15620	*11170	9490							
	lb			*34440	*34440	*24630	20920							

Boom : 6.25m (20′ 6″) Bucket : 1.27 m³ PCSA heaped
Arm : 3.05m (10′ 0″) Shoe : 600 mm(24″) triple grouser with 4.7ton(10,400 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
																m (ft)
7.5 m (25.0 ft)	kg													*4460	3740	8.94
	lb													*9830	8250	(29.3)
6.0 m (20.0 ft)	kg									*4910	*4910			*4600	3080	9.74
	lb									*10820	*10820			*10140	6790	(32.0)
4.5 m (15.0 ft)	kg							*5960	*5960	*5390	4840			4530	2710	10.20
	lb							*13140	*13140	*11880	10670			9990	5970	(33.5)
3.0 m (10.0 ft)	kg			*9910	*9910	*9820	*9820	*7280	6630	*6090	4580	*4140	3280	4290	2530	10.40
	lb			*21850	*21850	*21650	*21650	*16050	14620	*13430	10100	*9130	7230	9460	5580	(34.1)
1.5 m (5.0 ft)	kg					*12250	9550	*8590	6160	*6830	4320	*4900	3150	4250	2490	10.35
	lb					*27010	21050	*18940	13580	*15060	9520	*10800	6940	9370	5490	(34.0)
Ground Line	kg			*9590	*9520	*13580	9070	*9550	5820	6980	4130	*4310	3050	4430	2590	10.04
	lb			*21140	*21140	*29940	20000	*21050	12030	15390	9080	*9500	6720	9770	3710	(32.9)
-1.5 m (-5.0 ft)	kg	*10390	*10390	*13470	*13470	*13920	8910	9830	5660	6860	4010			4900	2880	9.44
	lb	*22910	*22910	*29700	*29700	*30690	19640	21670	22420	15120	8840			10800	6350	(31.0)
-3.0 m (-10.0 ft)	kg	*14060	*14060	*18180	*18180	*13440	8970	9830	5660	6880	4030			5880	3510	8.48
	lb	*31000	*31000	*40080	*40080	*29630	19780	21670	22420	15170	8880			12960	7740	(27.8)
-4.5 m (-15.0 ft)	kg	*18380	*18380	*17190	*17190	*11970	9220	*8750	5830					*5960	5000	6.97
	lb	*40520	*40520	*37900	*37900	*26390	20330	*19290	12850					*13140	11020	(22.9)

Notes :
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

Robex 290LC-7

Boom : 6.25m (20'6")
Arm : 3.75m (12'4")

Bucket : 1.27 m³ PCSA heaped
Shoe : 600 mm(24") triple grouser with 4.7ton(10,400 lb) counterweight

Rating over-front
Rating over-side or 360 degree

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
																m (ft)
7.5 m (25.0 ft)	kg													*3930	3230	9.67
	lb													*8660	7120	(31.7)
6.0 m (20.0 ft)	kg									*4160	*4160	*2370	*2370	*4090	2700	10.40
	lb									*9170	*9170	*5220	*5220	*9020	5950	(34.1)
4.5 m (15.0 ft)	kg									*4710	*4710	*3720	3460	4060	2390	10.83
	lb									*10380	*10380	*8200	7630	8950	5270	(35.5)
3.0 m (10.0 ft)	kg			*13490	*13490	*8320	*8320	*6410	*6410	*5470	4640	*4740	3310	3850	2230	11.02
	lb			*29740	*29740	*18340	*18340	*14130	*14130	*12060	10230	*10450	7300	8490	4920	(36.2)
1.5 m (5.0 ft)	kg			*9980	*9980	*11050	9860	*7850	6270	*6300	4350	5320	3140	3810	2180	10.97
	lb			*22000	*22000	*24360	21740	*17310	13820	*13890	9590	11730	6920	8400	4810	(36.0)
Ground Line	kg	*6470	*6470	*10300	*10300	*12950	9170	*9020	5860	6980	4110	5170	3010	3950	2250	10.68
	lb	*14260	*14260	*22710	*22710	*28420	20220	*19890	12920	15390	9060	11400	6640	8710	4960	(35.0)
-1.5 m (-5.0 ft)	kg	*9310	*9310	*12760	*12760	*13720	8860	*9730	5620	6800	3950	5080	2920	4300	2470	10.12
	lb	*20530	*20530	*28130	*28130	*30250	19530	*21450	12390	14990	8710	11200	6440	9480	5450	(33.2)
-3.0 m (-10.0 ft)	kg	*12290	*12290	*16240	*16240	*13690	8810	*9710	5540	6750	3900			5020	2940	9.25
	lb	*27090	*27090	*35800	*35800	*30180	19420	*21410	12210	14880	8600			11070	6480	(30.3)
-4.5 m (-15.0 ft)	kg	*15740	*15740	*18940	18880	*12770	8960	*9310	5620					*5780	3920	7.92
	lb	*34700	*34700	*41760	41620	*28150	19750	*20530	12390					*12740	8640	(26.0)

Notes :
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.

HYUNDAI CRAWLER EXCAVATOR R290LC-7

Standard Equipment

ISO standard cab
- 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
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 closing
- Indicator
  Power max.
  Preheat & Engine warming-up
  One touch decel
  Removable clean out screen for radiator
  Door and cab locks, one key
  Two outside rearview mirrors

Fully adjustable suspension seat with seat belt
Slidable joystick, pilot-operated
Automatic swing brake
Removable reservoir tank
Water separator, fuel line
Boom holding system
Arm holding system
Counterweight (4700kg, 10400lb)
mono boom (6.25m, 20′ 6″)
Arm (3.05m, 10′ 0″)
Track shoes (600mm, 23.6″)
Track rail guard
Am/Fm radio and cassette
Console box tilting system (LH.)
Three front working light
Electric horn
Batteries (2 × 12V × 160AM)
Battery master switch

Optional Equipment

Air-conditioner (5000kcal/hr, 20000BTU/hr)
Heater (7500kcal/hr, 30000BTU/hr)
Radio remote switch
Sun visor for cabin inside
Fuel filler pump (36ℓ /min, 9.5 USgpm)
Beacon lamp
Safety lock valve for boom cylinder
Safety lock valve for arm cylinder
Single acting piping kit (breaker, etc)
Double acting piping kit (cramshell, etc)
Quick coupler piping kit
Accumulator, work equipment lowering
Starting Aid, cold weather
12 volt power supply (DC-DC converter)
Electic. transducer
Overload warning device

Travel arm
Various optional Arms
- Super short arm (2.10m, 6'11")
- Short arm (2.50m, 8'2")
- Long arm (3.75m, 12'4")

Various optional Buckets (PCSA heaped)
- Standard bucket (1.27m³, 1.66yd³)
- Narrow bucket (0.79m³, 1.03yd³)
- Narrow bucket (1.03m³, 1.35yd³)
- Light duty bucket (1.50m³, 1.96yd³)
- Light duty bucket (1.73m³, 2.26yd³)
- Light duty bucket (1.85m³, 2.42yd³)
- Heavy duty bucket (1.07m³, 1.40yd³)
- Heavy duty bucket (1.27m³, 1.66yd³)
- Heavy duty bucket (1.46m³, 1.91yd³)
- Rock bucket (1.16m³, 1.52yd³)

Quick coupler kit
Cabin anti-vandalism kit
Cabin lights
Track shoes
- Triple grousers shoe (700mm, 27.6″)
- Triple grousers shoe (800mm, 31.5″)
- Triple grousers shoe (900mm, 35.4″)

Side cowl
- Semi louver type side door

Lower frame under cover
Pre heating system
Low noise kit
Tool kit
Operator suit