NEW 7A SERIES
CRAWLER EXCAVATOR
Applied Tier 3 Engine

Some of the photos may include optional equipment. www.hyundai-ce.com 2003. 6 Rev 1.

Standard Equipment

- ISO standard cab
- All-weather steel cab with all-around visibility
- Safety glass windows
- Raise-up type wind-breaker window
- Sliding fold-in front window
- Sliding side window
- Lockable door
- Hot & cool box
- Accessory box & Ashtray

Computer Aided Power Optimization/New CAPES system
- 2-power mode, 3-position mode, 2-user mode
- Auto deceleration & one touch deceleration system
- Auto warm up system
- Auto overload 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
- High altitude
- Low battery
- Air cleaner clogging
- Indicator
- Power max.
- Prohibit & engine warming-up
- One touch deceler

Doors and cab locks, one key

AM/FM radio and cassette

- Remote control switch
- Two outside rearview mirrors
- Fully adjustable suspension seat with seat belt
- Adjustable joystick, pilot operated
- Console box tilting system (LH.)
- Three front working light

Electric horns

- Batteries (2 x 12 V, 100 AH)
- Battery charger switch
- Battery starter switch
- Automatic swing brake
- Removable reservoir tank
- Water separator, fuel line
- Safety lock valve for boom cylinder
- with overload warning device
- Safety lock valve for arm cylinder
- Single acting piping kit (breaker, etc)
- Double acting piping kit (clamshell, etc)

Accumulator

- Fuel warmer
- Air-conditioner (5000 kcal/hr, 20000 BTU/hr)
- Sun visor for cabin inside
- Fuel filler pump (35 GPM, 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 (clamshell, etc)
- Rotating piping kit

Accumulator, work equipment lowering
- 12 volt power supply (DC-DC converter)

Electric transducer

Tread alarm

CD player

Various optional Boom
- Hydraulic adjustable boom (5.1m, 16' 9")

Various optional Arms
- Short arm (2.2m, 7' 3")
- Long arm (2.6m, 8' 6")

Various optional Buckets (SAE heaped)
- Standard bucket (0.64m, 0.89yd)
- Narrow bucket (0.50m, 0.64yd)
- Light duty bucket (1.05m, 1.37yd)
- Heavy duty bucket (1.70m, 2.26yd)

Cable lights

- Cable PSF (ISO/EN 1002)
- Cable roof cover (transparent)

Truck shears

- Triple shears (600mm, 23’)
- Triple shears (700mm, 28’)
- Triple shears (800mm, 32’)

Lower frame under cover

- Pro heading system
- Tool kit
- Operator suit
- Special coat
- Air vent top side door
- Emergency engine control cable

Seat

- Adjustable air suspension seat
- Mechanical Suspension seat with heater
- Adjustable air suspension seat with heater

Optional Equipment

- Air-conditioner (5000 kcal/hr, 20000 BTU/hr)
- Safe door for cable inside
- Fuel filter pump (25 GPM, 5.5 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 (clamshell, etc)
- Rotating piping kit

Accumulator, work equipment lowering
- 12 volt power supply (DC-DC converter)

Electric transducer

Tread alarm

CD player

Various optional Boom
- Hydraulic adjustable boom (5.1m, 16' 9")

Various optional Arms
- Short arm (2.2m, 7' 3")
- Long arm (2.6m, 8' 6")

Various optional Buckets (SAE heaped)
- Standard bucket (0.76m, 0.99yd)
- Narrow bucket (0.39m, 0.51yd)
- Narrow bucket (0.50m, 0.64yd)
- Narrow bucket (0.64m, 0.89yd)
- Light duty bucket (0.89m, 1.16yd)
- Heavy duty bucket (1.05m, 1.37yd)

Cabin lights

- Cabin PSF (ISO/EN 1002)
- Cabin roof cover (transparent)

Truck shears

- Triple shears (600mm, 23’)
- Triple shears (700mm, 28’)
- Triple shears (800mm, 32’)

Lower frame under cover

- Pro heading system
- Tool kit
- Operator suit
- Special coat
- Air vent top side door
- Emergency engine control cable

Seat

- Adjustable air suspension seat
- Mechanical Suspension seat with heater
- Adjustable air suspension seat with heater

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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2007. 07 Rev 0

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2007. 07 Rev 0
Built for Maximum Power, Performance, Reliability.

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

Robex 180LC-7A
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 new 7A 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.

Remote Radio Control and Deluxe Cassette
Operating Environment

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.

Smooth Travel Pedal and Foot Rests

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

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

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

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

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

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

Smooth Travel Pedal and Foot Rests

The best working conditions in a pleasant environment.

- Centralized control panel
- Horn button
- Option button
- Remote Radio control
- Travel lever
- Cluster
- One touch deceleration
- Hour meter
- Travel pedal
- Fully adjustable suspension seat
- Safety lever
- Power boost button
- Joystick control lever
- Air Conditioner and Heater controller

HYUNDAI CONSTRUCTION EQUIPMENT 06 / 07
Advanced Hydraulic System

Auto Deceleration System
When remote-control valves are in neutral position more than 4 seconds, CPU controller instructs the accelerator to reduce engine speed to 1000rpm. 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.

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 prevents the starter from re-starting during engine operation, even if the operator accidentally turns the start key after stopping the engine.

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.

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.

Prevention Automatic Engine Overheat
If the engine coolant temperature gets too high, the CPU controller

NEW MODE CONTROL SYSTEM

Auto Decel

Power Mode

Engine

Normal work

General work

Emergency

M mode: Maximum Power
L mode: Monitoring Operator’s Preferential Power Setting

Auto Deceleration System
When remote-control valves are in neutral position more than 4 seconds, CPU controller instructs the accelerator to reduce engine speed to 1000rpm. 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.

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 plates, with highly durable upper and lower rollers and track guards. Long undercarriage incorporates heavy duty excavator style components. X-leg type center frame is integrally welded for maximum strength and durability.

Mitsubishi D04FD-TAA Engine

Engine

The four cylinders turbocharged and charged air cooled, engine is built for power, reliability and economy. This engine meets EPA Tier 3 and Emissions 2A emission regulation.

Increased Higher Performance

Robust and Preciser Swing Control
Powerful and Preciser Swing Control
It features major enhancements to make every piece of equipment work harder, smarter, quieter and longer.
The High Pressure Common Rail Fuel System provides enhanced engine performance with higher torque and better throttle response at every rpm without compromising fuel economy.
The Mitsubishi D04FD-TAA engine is based on the highly successful Mitsubishi SK series engines. Those engines combine proven fully-hydraulic electronic controls with reliable performance you expect from one of the most successful and durable engine designs.
Reliability & Serviceability

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

Side Cover with Left & Right Swing Open Type
Easy access to vital components gives unrestricted view of component allows easy maintenance and repair.

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

Easy to Change Air Cleaner Assembly
Air cleaner is centralized in one or the same compartment for easy service.

Highly efficient Hydraulic Pump
Pump output capacity has been increased.

Large tool box for extra storage

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

- **Swing motor**: Axial piston motor
- **Swing reduction**: Planetary gear reduction
- **Swing bearing lubrication**: Grease-bathed
- **Swing brake**: Wet multi-disc
- **Swing speed**: 11.5 rpm

### Coolant & Lubricant capacity

<table>
<thead>
<tr>
<th>Capacity</th>
<th>US gal</th>
<th>UK gal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel tank</td>
<td>260.0</td>
<td>68.7</td>
</tr>
<tr>
<td>Engine coolant</td>
<td>27</td>
<td>7.2</td>
</tr>
<tr>
<td>Swing device-gear oil</td>
<td>5</td>
<td>1.3</td>
</tr>
<tr>
<td>Final drive(Axial)-gear oil</td>
<td>5.4</td>
<td>1.4</td>
</tr>
<tr>
<td>Hydraulic system(Including tank)</td>
<td>240</td>
<td>63.2</td>
</tr>
<tr>
<td>Hydraulic tank</td>
<td>160</td>
<td>42.3</td>
</tr>
</tbody>
</table>

### 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 sprockets, and track chain with triple grouser shoes.

#### Center frame
- **X - leg type**
- **Swing frame**: Pentagonal box type

#### Swing device
- **Swing motor**: 35 kgf/cm² (500 psi)
- **Swing reducer**: 330 kgf/cm² (4,690 psi)
- **Swing motor**: 47.7 kgf/m (650 lbf/in)
- **Swing travel**: 1.35 m (4.4 ft)
- **Swing speed**: 1.05 m/s (3.4 ft/s)

### Operating weight (approximate)

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

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight kg (lb)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boom</td>
<td>12,700 [13,850]</td>
</tr>
<tr>
<td>Arm</td>
<td>11,070 [12,080]</td>
</tr>
<tr>
<td>Bucket</td>
<td>2,680 [2,930]</td>
</tr>
<tr>
<td>Aggregate</td>
<td>9,080 [10,010]</td>
</tr>
<tr>
<td>Total</td>
<td>24,830 [26,990]</td>
</tr>
</tbody>
</table>

---

### Backhoe attachment

#### Buckets

<table>
<thead>
<tr>
<th>Capacity m³(yd)</th>
<th>Width mm (in)</th>
<th>Weight kg (lb)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAE heaped (US)</td>
<td>0.30 (0.05)</td>
<td>19,770 (43,580)</td>
</tr>
<tr>
<td>SAE heaped (UK)</td>
<td>0.40 (0.05)</td>
<td>19,260 (42,460)</td>
</tr>
<tr>
<td>ISO heaped (US)</td>
<td>0.76 (0.10)</td>
<td>11,950 (26,390)</td>
</tr>
<tr>
<td>ISO heaped (UK)</td>
<td>1.06 (0.15)</td>
<td>12,400 (27,300)</td>
</tr>
</tbody>
</table>

---

### Arms

- 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 2.2m (7' 3") buckets are available. Buckets are all-welded, high-strength steel implements.

#### Digging force

<table>
<thead>
<tr>
<th>Arm</th>
<th>Length m (ft)</th>
<th>Weight kg (lb)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.0m (6' 7&quot;)</td>
<td>8,680 (19,100)</td>
<td></td>
</tr>
<tr>
<td>2.2m (7' 3&quot;)</td>
<td>9,890 (21,800)</td>
<td></td>
</tr>
<tr>
<td>2.6m (8' 6&quot;)</td>
<td>11,070 (24,400)</td>
<td></td>
</tr>
</tbody>
</table>

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### Drives & Brakes

- **Drive method**: Fully hydrostatic type
- **Drive motor**: Axial piston motor, in-wheel design
- **Reduction system**: RV gear
- **Max. drawbar pull**: 17,200 kgf (37,300 lbf)
- **Max. travel speed (high) / (low)**: 0.83 m/s (2.77 ft/s) / 0.18 m/s (0.59 ft/s)
- **Gradeability**: 30% (56°)
- **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)(US)
- **Traveling and steering**: Two wheels with pedals
- **Engine throttle**: Electric, Accel Dial Switch
- **Lights**: Two lights mounted on the boom one in the tool box
### Dimensions & Working ranges

#### Dimensions R180LC-7A Mono boom

- **Dimensions**
  - Tumbler distance: 3,360 (11' 9")
  - Overall length of crawler: 4,190 (13' 9")
  - Overall height of cab: 2,530 (8' 4")
  - Overall width of upperstructure: 2,480 (8' 2")
  - Tail swing radius: 2,500 (8' 4")
  - Rear-end length: 2,460 (8' 2")
  - Overall length of crawler: 3,040 (10' 0")
  - Overall height of boom: 2,915 (9' 7")
  - Track shoe width: 3,050 (10' 0")
  - Min. ground clearance: 460 (1' 6")
  - Track gauge: 2,250 (7' 5")

#### Dimensions R180LC-7A Hydraulic adjustable boom

- **Dimensions**
  - Tumbler distance: 3,360 (11' 9")
  - Overall length of crawler: 4,190 (13' 9")
  - Overall height of cab: 2,530 (8' 4")
  - Overall width of upperstructure: 2,480 (8' 2")
  - Tail swing radius: 2,500 (8' 4")
  - Rear-end length: 2,460 (8' 2")
  - Overall length of crawler: 3,040 (10' 0")
  - Overall height of boom: 2,915 (9' 7")
  - Track shoe width: 3,050 (10' 0")
  - Min. ground clearance: 460 (1' 6")
  - Track gauge: 2,250 (7' 5")

#### Working ranges

- **Working ranges**
  - Boom length: 5,100 (16' 9")
  - Arm length: 2,200 (7' 3")
  - Max. digging reach: 8,750 (28' 9")
  - Max. digging reach on ground: 8,600 (28' 3")
  - Max. digging depth: 5,260 (17' 1")
  - Max. digging depth (level): 5,140 (16' 10")
  - Max. vertical wall digging depth: 5,440 (17' 10")
  - Min. swing radius: 3,100 (10' 2")

- **Working ranges**
  - Boom length: 5,100 (16' 9")
  - Arm length: 2,200 (7' 3")
  - Max. digging reach: 8,750 (28' 9")
  - Max. digging reach on ground: 8,600 (28' 3")
  - Max. digging depth: 5,260 (17' 1")
  - Max. digging depth (level): 5,140 (16' 10")
  - Max. vertical wall digging depth: 5,440 (17' 10")
  - Min. swing radius: 3,100 (10' 2")
Dimensions & Working ranges

**Dimensions R180LCD-7A**

- Turntable dimension: 2,360 (11’ 8")
- Overall length of crawler: 4,170 (13’ 8")
- Ground clearance of counterweight: 1,080 (3’ 6")
- Tail swing radius: 2,540 (8’ 4")
- Rear-end length: 2,480 (8’ 1")
- Overall width of upperstructure: 2,475 (8’ 1")
- Overall height of cab: 2,915 (9’ 6")
- Min. ground clearance: 460 (1’ 6")
- Track gauge: 2,260 (7’ 5")
- Ground clearance of blade up: 780 (2’ 7")
- Depth of blade down: 520 (1’ 8")
- Height of blade: 645 (2’ 1")
- Width of blade: 2,850 (9’ 4")

**Working ranges**

- Boom length: \( \approx 5.100 (16’ 5”) \)
- Arm length: \( \approx 2.200 (7’ 3”) \), \( \approx 2.660 (8’ 8") \), \( \approx 3.100 (10’ 2”) \)
- Max. digging depth (front): \( \approx 8.600 (28’ 6") \), \( \approx 9.020 (29’ 10") \), \( \approx 9.450 (31’ 3") \)
- Max. digging depth (rear): \( \approx 8.500 (27’ 12") \), \( \approx 8.870 (29’ 3") \), \( \approx 9.300 (31’ 1") \)
- Max. digging depth (full extend): \( \approx 5.660 (18’ 7") \), \( \approx 6.060 (19’ 11") \), \( \approx 6.560 (21’ 6") \)
- Max. vertical digging depth (front): \( \approx 5.440 (17’ 10") \), \( \approx 5.860 (19’ 10") \), \( \approx 6.370 (21’ 10") \)
- Max. vertical digging depth (rear): \( \approx 8.740 (29’ 6") \), \( \approx 8.870 (29’ 6") \), \( \approx 8.970 (29’ 6") \)
- Max. dumping height: \( \approx 6.100 (20’ 1”) \), \( \approx 6.240 (20’ 1”) \), \( \approx 6.390 (20’ 1”) \)
- Min. swing radius: \( \approx 3.160 (10’ 5") \), \( \approx 3.170 (10’ 5") \), \( \approx 3.180 (10’ 5") \)

**Lifting Capacities**

**Lifting capacities R180LCD-7A Mono boom**

- **Load point height (m/ft)**
  - 1.5 m/5.0 ft: \( \approx 6.9 (22.6) \)
  - 3.0 m/10.0 ft: \( \approx 13.8 (45.3) \)
  - 4.5 m/15.0 ft: \( \approx 20.6 (67.6) \)
  - 6.0 m/20.0 ft: \( \approx 27.2 (89.3) \)
- **Load radius (m/ft)**
  - 1.5 m/5.0 ft: \( \approx 6.9 (22.6) \)
  - 3.0 m/10.0 ft: \( \approx 13.8 (45.3) \)
  - 4.5 m/15.0 ft: \( \approx 20.6 (67.6) \)
  - 6.0 m/20.0 ft: \( \approx 27.2 (89.3) \)
- **Reach (m/ft)**
  - 1.5 m/5.0 ft: \( \approx 6.9 (22.6) \)
  - 3.0 m/10.0 ft: \( \approx 13.8 (45.3) \)
  - 4.5 m/15.0 ft: \( \approx 20.6 (67.6) \)
  - 6.0 m/20.0 ft: \( \approx 27.2 (89.3) \)

**Lifting capacities R180LCD-7A Double boom**

- **Load point height (m/ft)**
  - 1.5 m/5.0 ft: \( \approx 6.9 (22.6) \)
  - 3.0 m/10.0 ft: \( \approx 13.8 (45.3) \)
  - 4.5 m/15.0 ft: \( \approx 20.6 (67.6) \)
  - 6.0 m/20.0 ft: \( \approx 27.2 (89.3) \)
- **Load radius (m/ft)**
  - 1.5 m/5.0 ft: \( \approx 6.9 (22.6) \)
  - 3.0 m/10.0 ft: \( \approx 13.8 (45.3) \)
  - 4.5 m/15.0 ft: \( \approx 20.6 (67.6) \)
  - 6.0 m/20.0 ft: \( \approx 27.2 (89.3) \)
- **Reach (m/ft)**
  - 1.5 m/5.0 ft: \( \approx 6.9 (22.6) \)
  - 3.0 m/10.0 ft: \( \approx 13.8 (45.3) \)
  - 4.5 m/15.0 ft: \( \approx 20.6 (67.6) \)
  - 6.0 m/20.0 ft: \( \approx 27.2 (89.3) \)

**NOTES**

1. Lifting capacity is based on SAE 2007-01-1690.
2. Lifting capacity of the Robot Series does not contain the additional 10% of lifting capacity for the maximum digging depth of the excavator.
3. The load point is a hook (standard equipment) located on the back of the bucket.
4. If the digger is loaded by the hydraulic cylinder.
## Lifting Capacities

### Lifting capacities R180C-7A Hydraulic adjustable boom

<table>
<thead>
<tr>
<th>Load point height (m)</th>
<th>Load radius (m)</th>
<th>Reach (m)</th>
<th>Capacity (kg)</th>
<th>Reach (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5 m (5' 0&quot;)</td>
<td>1.0 m (3' 3&quot;)</td>
<td>3.0 m (9' 9&quot;)</td>
<td>3.0 m (9' 9&quot;)</td>
<td>2.0 m (6' 7&quot;)</td>
</tr>
<tr>
<td>8.0 m (26' 3&quot;)</td>
<td>8.0 m (26' 3&quot;)</td>
<td>15.0 m (49' 2&quot;)</td>
<td>20.0 m (65' 7&quot;)</td>
<td>25.0 m (82' 0&quot;)</td>
</tr>
</tbody>
</table>

### Lifting capacities R180C-02A

<table>
<thead>
<tr>
<th>Load point height (m)</th>
<th>Load radius (m)</th>
<th>Reach (m)</th>
<th>Capacity (kg)</th>
<th>Reach (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5 m (5' 0&quot;)</td>
<td>1.0 m (3' 3&quot;)</td>
<td>3.0 m (9' 9&quot;)</td>
<td>3.0 m (9' 9&quot;)</td>
<td>2.0 m (6' 7&quot;)</td>
</tr>
<tr>
<td>8.0 m (26' 3&quot;)</td>
<td>8.0 m (26' 3&quot;)</td>
<td>15.0 m (49' 2&quot;)</td>
<td>20.0 m (65' 7&quot;)</td>
<td>25.0 m (82' 0&quot;)</td>
</tr>
</tbody>
</table>

### Notes

1. Lifting capacity is based on SAE J1097 and ISO 10567.
2. Lifting capacity of the R180C series does not retain 100% of tipping load with the machine at 90°, level ground, at 85% of hydraulic capacity.
3. The load point is a hook (standard equipment) located on the back of the bucket.

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### HYUNDAI CONSTRUCTION EQUIPMENT

**CERES System**

CERES (Construction Equipment Resource Support) is HYUNDAI’s new information system on all Hyundai Construction equipment’s products for all overseas customer, dealer and branch office.

http://ceres.hhi.co.kr