

STANDARD EQUIPMENT

|  |
|--|
| ISO Standard cabin   |
| All-weather steel cab with 360° visibility                               |
| Safety glass windows   |
| Rise-up type windshield wiper  |
| Sliding fold-in front window   |
| Sliding side window(LH)  |
| Lockable door  |
| Hot & cool box   |
| Storage compartment & Ashtray  |
| Transparent cabin roof-cover   |
| Radio & USB Player   |
| Handsfree mobile phone system with USB, Bluetooth, Radio cable-Handsfree |
| Sun visor  |
| Computer aided power optimization (New CAPO) system                      |
| 3-power mode, 3-work mode, user mode                                     |
| Auto deceleration & one-touch deceleration system                        |
| Auto warm-up system  |
| Auto overheat prevention system  |
| Automatic climate control  |
| Air conditioner & heater   |
| Defroster  |
| Self-diagnostics system  |
| Starting Aid (air grid heater) for cold weather                          |
| Centralized monitoring   |
| LCD display  |
| Engine speed or Trip meter/Accel.  |
| Clock  |
| Gauges   |
| Fuel level gauge   |
| Engine coolant temperature gauge   |
| Hyd. oil temperature gauge   |
| Warnings   |
| Check Engine   |
| Overload   |
| Communication error  |
| Low battery  |
| Air cleaner clogging   |
| Indicators   |
| Max power  |
| Low speed/High speed   |
| Fuel warmer  |
| Auto idle  |
| Door and cab locks, one key  |
| Two outside rearview mirrors   |
| Fully adjustable suspension seat with seat belt                          |
| Adjustable air suspension seat with heater                               |
| Pilot-operated slidable joystick   |
| Console box height adjust system   |
| Two front working lights   |
| Electric horn  |
| Batteries (2 x 12V x 100 AH)   |
| Battery master switch  |
| Removable clean-out screen for cooler                                    |
| Automatic swing brake  |
| Removable reservoir tank   |
| Fuel pre-filter with fuel warmer   |
| Boom holding system  |
| Arm holding system   |
| Accumulator for lowering work equipment                                  |
| Electric Tranducers  |
| Lower frame under cover (Normal)   |
| Viscous fan clutch   |
| Rear-blade (550mm X 2,500mm)   |
| Tires-dual (9.00-20-14PR)  |
| Travel alarm   |

OPTIONAL EQUIPMENT

|  |
|--|
| Fuel filler pump (35 L/min)  |
| 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.)                         |
| Quick coupler  |
| 12 volt power outlet (24V DC to 12V DC converter)                  |
| Booms  |
| 4.6m, 15’ 1”   |
| 4.9m, 16’ 1” Hyd. adjustable boom                                  |
| Arms   |
| 1.9m, 6’ 3”  |
| 2.1m, 6’ 11”   |
| 2.5m, 8’ 2”  |
| 3.0m, 9’ 10”   |
| Cabin FOPS/FOG (ISO/DIS 10262 Level II)                            |
| FOPS (Falling Object Protective Structure)                         |
| FOG (Falling Object Guard)   |
| Cabin ROPS (ISO 12117-2)   |
| Cabin roof-steel cover   |
| Cabin front guard-wire net   |
| Cabin lights   |
| Cabin front window rain guard                                      |
| Undercarriage  |
| Rear outrigger   |
| Rear dozer and front outrigger                                     |
| Rear and front outrigger   |
| Rear outrigger and front dozer                                     |
| Lower frame under cover (Additional)                               |
| Tool kit   |
| Rearview camera  |
| Seat   |
| Adjustable air suspension seat                                     |
| Mechanical suspension seat with heater                             |
| Mechanical suspension seat   |
| Tires - dual (9.00 - 20 solid), dual (10.00 - 20 - 14PR lube type) |
| Pattern change valve (2 patterns)                                  |
| Hi-mate (Remote Management System)                                 |
| Smart key  |

- \* Standard and optional equipment may vary. Contact your Hyundai dealer for more information. The machine may vary according to International standards.
- \* The photos may include attachments and optional equipment that are not available in your area.
- \* Materials and specifications are subject to change without advance notice.
- \* All imperial measurements rounded off to the nearest pound or inch.

Robex

140w-9A

With Tier 4 Interim Engine installed

HYUNDAI HEAVY INDUSTRIES

MOVING YOU FURTHER



\*Photo may include optional equipment.

 **HYUNDAI**  
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PLEASE CONTACT

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



# PRIDE AT WORK

Hyundai Heavy Industries strives to build state-of-the art earthmoving equipment to give every operator maximum performance, more precision, versatile machine preferences, and proven quality.

*Take pride in your work with Hyundai!*



\*Photo may include optional equipment.

## Robex 140W-9A

### Machine Walk-Around

#### Engine Technology

Proven, reliable, fuel efficient, low emission and low noise  
Cummins Tier 4 interim & EU stage III B engine

#### Hydraulic System Improvements

New patented hydraulic control for improved controllability / Improved control valve design for added efficiency and smoother operation / New auto boom and swing priority system for optimum speed / New auto power boost feature for additional power when needed / Improved arm-in and boom-down flow regeneration system for added speed and efficiency

#### Pump Compartment

Industry-leading, powerful, reliable Kawasaki designed, variable volume in-line axial piston pumps  
New compact solenoid block equipped with 3 solenoid valves, 1 EPPR valve, 1 check valve accumulator and pilot filter - controls 2 speed travel, power boost, boom priority, safety lock

#### Enhanced Operator Cab

##### Improved Visibility

Enlarged cab with improved visibility / See-through upper skylight for visibility and ventilation  
Larger right-side glass, now one piece, for better right visibility  
Safety glass windows on all sides - less expensive than (polycarbonate) and won't scratch or fade  
Closeable sunshade for operator convenience / Reduced front window seam for improved operator view

##### Improved Cab Construction

New steel tube construction for added operator safety, protection and durability  
New window open/close mechanism designed with cable and spring lift assist and single latch release

##### Improved Suspension Seat / Console Assembly

Ergonomic joysticks with auxiliary control buttons for attachment use. Now with new sleek styling  
Heated suspension (option) or air ride suspension (standard) with heat  
New joystick consoles - now adjustable in height by pushing the button  
Integrated seat with consoles - reduce the operator fatigue

##### Advanced 7" Color Cluster with Touch Screen

New Color LCD Display with easy to read digital gauges for hydraulic oil temperature, water temperature, and fuel. Simplified design makes adjustment and diagnostics easier. Also, new enhanced features such as rear-view camera are integrated into monitor.  
3 power modes : (P) Power, (S) Standard, (E) Economy, 2 work modes : Dig & Attachment, (U) User mode for operator preference  
Enhanced self-diagnostic features with GPS download capability  
One pump flow or two pump flow for optional attachment is now selectable through the cluster /  
New anti-theft system with password capability  
Boom speed and arm regeneration are selectable through the monitor.  
Auto power boost is now available - selectable (on/off) through the monitor.  
Powerful air conditioning and heat with auto climate control  
RMS (Remote Management System) works through GPS/satellite technology to ultimately provide better customer service and support.

#### Improved Steering Column

Slim-profile steering column capable of telescoping 60 mm and tilting 30 degrees



# PRECISION

Innovative hydraulic system technologies make the 9A series excavator fast, smooth and easy to control.



\*Photo may include optional equipment.

## Computer Aided Power

The engine horsepower and hydraulic horsepower together in unison through the advanced CAPO(Computer Aided Power Optimization) system, flow for the job at hand. Operator can set their own preferences for boom or swing priority, power mode selection and optional work tools at the touch of a button. The CAPO system also provides complete self diagnostic features and digital gauges for important information like hydraulic oil temperature, water temperatures and fuel level. This system interfaces with multiple sensors placed throughout the hydraulic system as well as the electronically controlled engine to provide the optimum level of engine power and hydraulic flow.

### Power Mode

P (Power Max) mode maximizes machine speed and power for mass production. S (Standard) mode provides a reduced, fixed rpm for optimum performance and improved fuel economy. For maximum fuel savings and improved control, E (Economy) mode provides precise flow and engine power based on load demand. Three unique power modes provide the operator with custom power, speed and fuel economy.

### Work Mode

The work mode allows the operator to select single flow attachments like a hydraulic breaker or bi-directional flow attachments like a crusher. Flow settings unique to each attachment can be programmed from within the cluster.

### User Mode

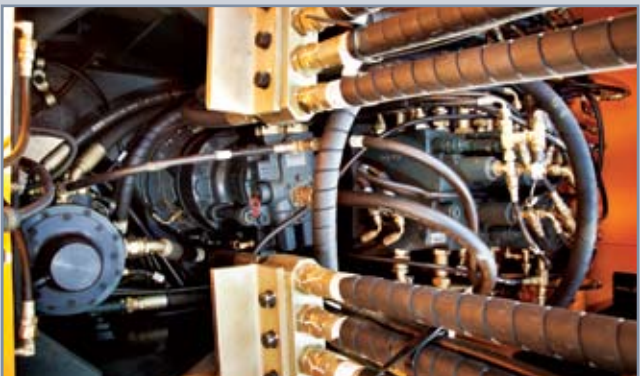
Some jobs require more precise machine settings. Using the versatile U (User) mode, the operator can customize engine speed, pump output, idle speed and other machine settings for the job at hand.

## Improved Hydraulic System



To achieve optimum precision, Hyundai redesigned the hydraulic system to provide the operator with super fine touch and improved controllability. Improved pump flow control reduces flow when controls are not being used to minimize fuel consumption. Improved spool valves in the control valve are engineered to provide more precise flow to each function with less effort. Improved hydraulic valves, precision-designed variable volume piston pumps, fine-touch pilot controls, and enhanced travel functions make any operator running a 9A series look like a smooth operator. Newly improved features

include arm-in and boom-down flow regeneration, improved control valve technology and innovative auto boom and swing priority for optimal performance in any application.



## Auto Boom-swing Priority

This smart function automatically and continuously looks the ideal hydraulic flow balance for the boom and swing motions of the machine. The advanced CAPO system monitors the hydraulic system and adjusts its settings to maximize performance and productivity.



# PERFORMANCE

9A series is designed for maximum performance to keep the operator working productively.

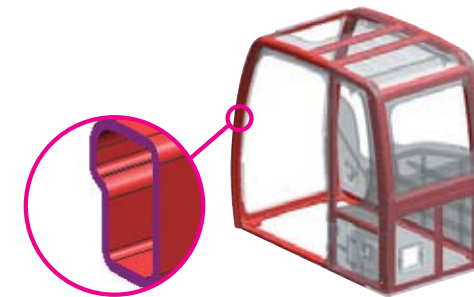


\*Photo may include optional equipment.

## Fully Independent Outrigger System

R140W-9A can be equipped with four independent outriggers (front and rear) or two independent outriggers and a dozer blade (front or rear).

Each outrigger and the dozer blade are controlled by a switch and the dozer lever. Each outrigger is equipped with cylinder guards for added protection.



## Structure Strength

The 9A series cabin structure has been fitted with stronger but slimmer tubing for more safety and improved visibility. Low-stress, high strength steel is integrally welded to form a stronger, more durable upper and lower frame. Structural integrity was tested by way of FEM (Finite Elements Method) analysis and long-term durability tests.

The optional ROPS(Roll Over Protective Structure) cab can be equipped to enhance operator safety.

## New and Improved Travel System

Auto cruise control system reduces operator fatigue by maintaining a fixed speed when driving distances. A new auto ram lock system is available to improve operating safety.

A new creep speed travel system improves maneuverability and fine control.

A new optional forward / reverse travel pedal control allows operators to choose to use the travel pedal control while in work mode or lever control when in travel mode.

## CUMMINS QSB 6.7 Engine

The Tier IV, six cylinder, 4 cycle, turbo-charged, charge air cooled, Cummins QSB 6.7 engine provides maximum power, reliability, optimum fuel economy, and reduced emissions.

Electronically controlled fuel injection and diagnostic capabilities add to the engines efficiency and serviceability.





# PREFERENCE

Operating a 9A series is unique to every operator. Operators can fully customize their work environment and operating preferences to fit their individual needs.



\*Photo may include optional equipment.



## Wide Cabin with Excellent Visibility

The newly designed cabin was conceived for more space, a wider field of view and operator comfort. Special attention was given to a clear, open and convenient interior with plenty of visibility on the machine surroundings and the job at hand. This well balanced combination of precision aspects put the operator in the perfect position to work safely and securely.

## Operator Comfort

In 9A series cabin you can easily adjust the seat, console and armrest settings to best suit your comfort level. The seat integrated with console absorb console vibration by seat suspension and reduce operator's fatigue. New joystick consoles are adjustable in height by pushing the button. Other preference settings that add to overall operator comfort include the fully automatic high capacity airconditioning system, transparent polycarbonate glass sun roof, large and easy to control sun visor, and the Radio / USB player.



## Reduced Stress

Work is stressful enough. Your work environment should be stress free. Hyundai's 9A series provides improved cab amenities, additional space and a comfortable seat to minimize stress to the operator. A powerful climate control system provides the operator with optimum air temperature. An advanced audio system with USB player, AM/FM stereo and MP3 capabilities, plus remotely located controls is perfect for listening to music favorites. Operators can even talk on the phone with the hands-free cell phone feature. Also, the newly designed optional remote control offers mobile bluetooth-handsfree and radio cable-handsfree function.



## Smart Key System (Option)

User authentication and anti-theft system are reinforced with smart key system. This allows the operator to start the engine with the push of a starter button rather than inserting a key into the ignition.



## Operator - Friendly Cluster

The advanced new cluster with 7 inch wide color LCD with touch screen and toggle switch allows the operator to select his personal machine preferences. Power and work mode selection, self diagnostics, optional rear-view camera, maintenance check lists, start-up machine security, and video functions were integrated into the cluster to make the machine more versatile and the operator more productive.

The newly applied FM transmitter application transmits signal to USB & Radio player with the same frequency as cluster. The player outputs the audio through the internal speaker in the cab. The video & firmware updates are possible with USB host support and an adjustable cluster hinge bracket improves cluster visibility.

## Monitor Tilt Range



Horizontal  
Total : 15°



Vertical  
Total : 30°





# PROFITABILITY

9A series is designed to maximize profitability through improved efficiencies, enhanced service features and longer life components.



\*Photo may include optional equipment.



## Hi-mate (Remote Management System)

Hi-mate, Hyundai's proprietary remote management system, provides operators and dealer service personnel access to vital service and diagnostic information on the machine from any computer with internet access. Users can pinpoint machine location using digital mapping and set machine work boundaries, reducing the need for multiple service calls. Hi-mate saves time and money for the owner and dealer by promoting preventative maintenance and reducing machine downtime.

## Fuel Efficiency

9A series excavators are engineered to be extremely fuel efficient. New innovations like the variable speed fan clutch, two-stage auto decel system and the new economy mode help to conserve fuel and reduce the impact on the environment.



## Easy Access

Ground-line access to filters, lube fittings, fuses, machine computer components and wide open compartments makes service more convenient on the 9A series.



## Long-Life Components

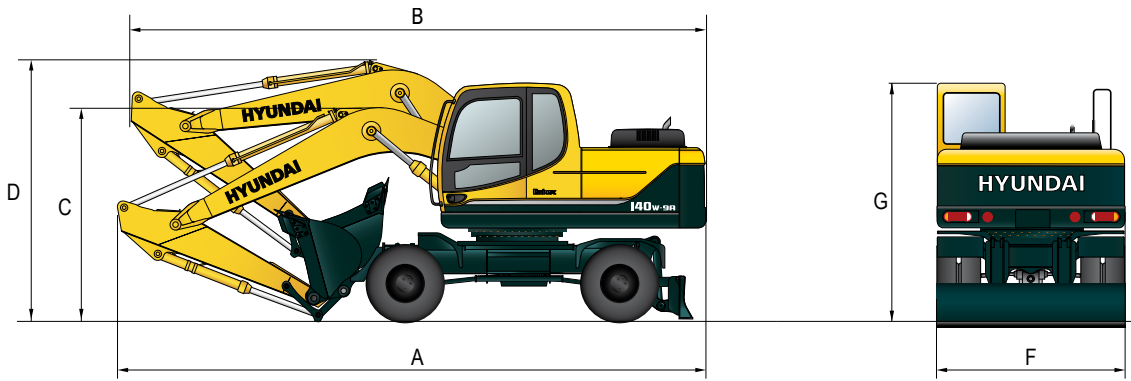
9A series excavators were designed with bushings designed for long-life lube intervals (250 hrs) & polymer shims (wear resistant, noise reducing), long-life hydraulic filters (1,000hrs), long-life hydraulic oil (5,000hrs), more efficient cooling systems and integrated preheating systems which extend service intervals, minimize operating costs and reduce machine down time.





Dimensions & Working Range

R140W-9A DIMENSIONS

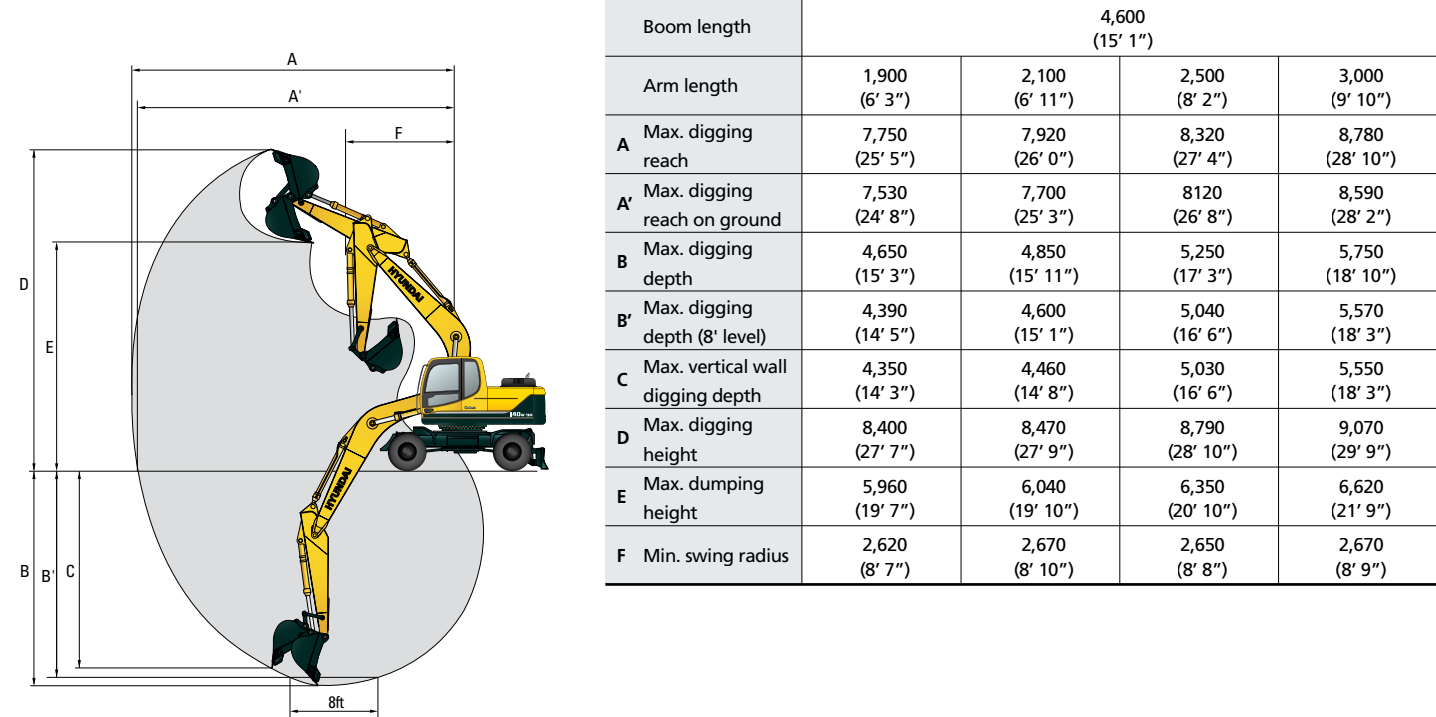


Unit : mm (ft - in)

| Mono Boom   | 4,600(15' 1")  |                |                 |                 |
|---|----------------|----------------|-----------------|-----------------|
| Arm   | 1,900 (6' 3")  | 2,100 (6' 11") | 2,500 (8' 2")   | 3,000 (9' 10")  |
| <b>A</b> Overall length of shipping position      | 7,760 (25' 6") | 7,820 (25' 8") | 7,770 (25' 6")  | 7,830 (25' 8")  |
| <b>B</b> Overall length of traveling position     | 7,750 (25' 5") | 7,760 (25' 6") | 7,690 (25' 3")  | 7,710 (25' 4")  |
| <b>C</b> Height of attachment(shipping position)  | 2,760 (9' 1")  | 2,860 (9' 5")  | 2,810 (9' 3")   | 3,100 (10' 2")  |
| <b>D</b> Height of attachment(traveling position) | 3,500 (11' 6") | 3,500 (11' 6") | 3,620 (11' 11") | 3,600 (11' 10") |
| <b>F</b> Overall width                            | 2,500 (8' 2")  | 2,500 (8' 2")  | 2,500 (8' 2")   | 2,500 (8' 2")   |
| <b>G</b> Height of cabin                          | 3,140 (10' 4") | 3,140 (10' 4") | 3,140 (10' 4")  | 3,140 (10' 4")  |

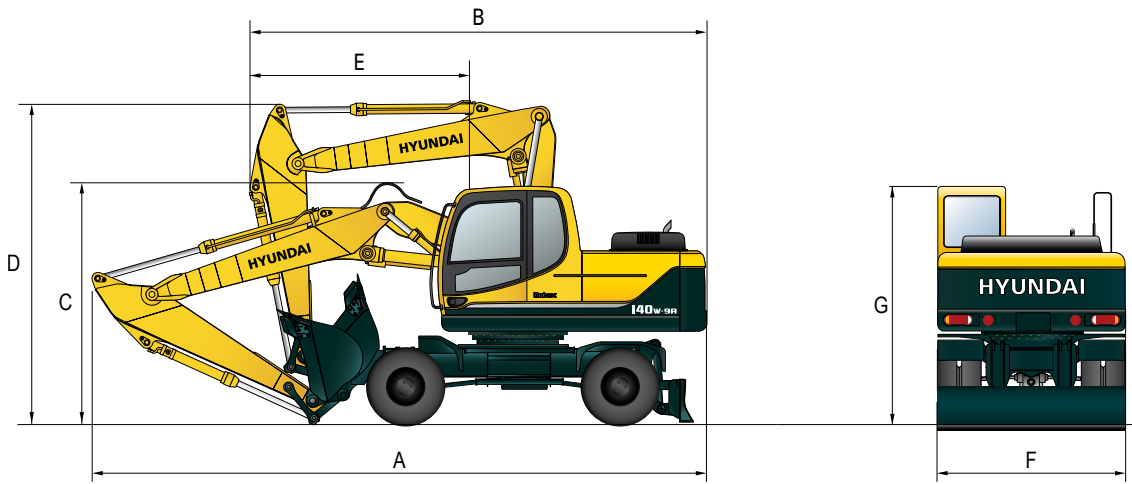
R140W-9A WORKING RANGE

Unit : mm (ft - in)



Dimensions & Working Range

R140W-9A ADJUSTABLE BOOM

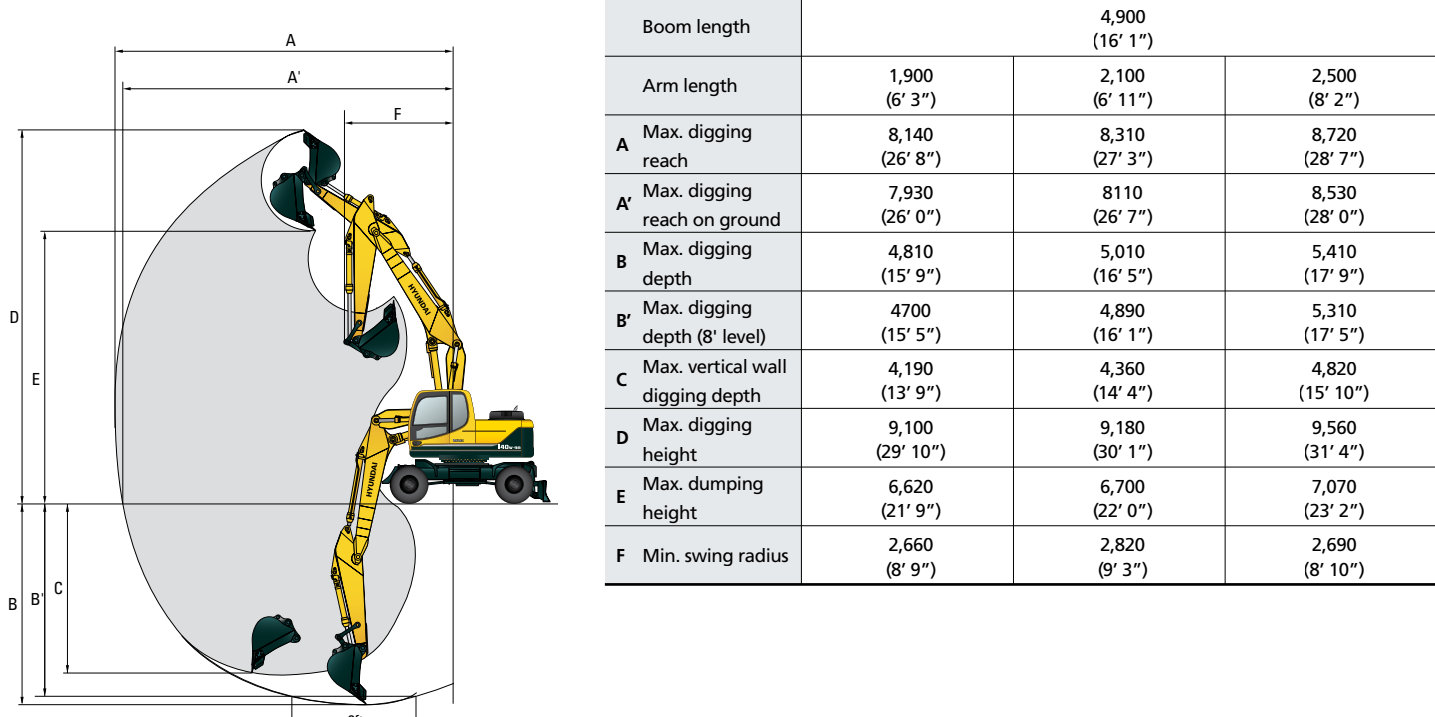


Unit : mm (ft - in)

| Hydraulic adjustable Boom                         | 4900(16' 1")    |                 |                |
|---|-----------------|-----------------|----------------|
| Arm   | 1,900 (6' 3")   | 2,100 (6' 11")  | 2,500 (8' 2")  |
| <b>A</b> Overall length of shipping position      | 8,140 (26' 8")  | 8,170 (26' 10") | 8,150 (26' 9") |
| <b>B</b> Overall length of traveling position     | 6,090 (19' 12") | 6,110 (20' 1")  | 6,130 (20' 1") |
| <b>C</b> Height of attachment(shipping position)  | 2,960 (9' 9")   | 3,060 (10' 0")  | 3,070 (10' 1") |
| <b>D</b> Height of attachment(traveling position) | 3,980 (13' 1")  | 3,980 (13' 1")  | 3,980 (13' 1") |
| <b>E</b> End of attachment to steering wheel      | 2,950 (9' 8")   | 2,970 (9' 9")   | 2,990 (9' 10") |
| <b>F</b> Overall width                            | 2,500 (8' 2")   | 2,500 (8' 2")   | 2,500 (8' 2")  |
| <b>G</b> Height of cabin                          | 3,140 (10' 4")  | 3,140 (10' 4")  | 3,140 (10' 4") |

R140W-9A ADJUSTABLE BOOM WORKING RANGE

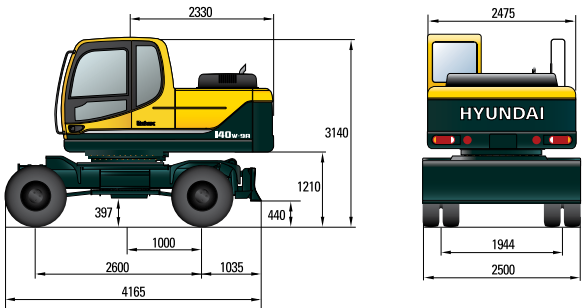
Unit : mm (ft - in)



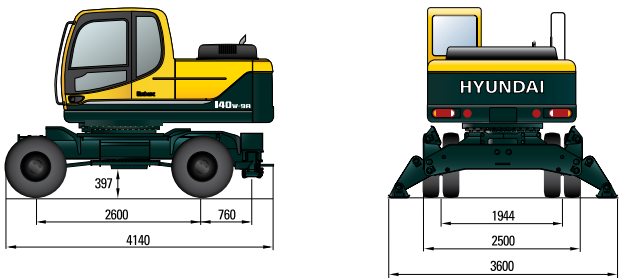


Undercarriage

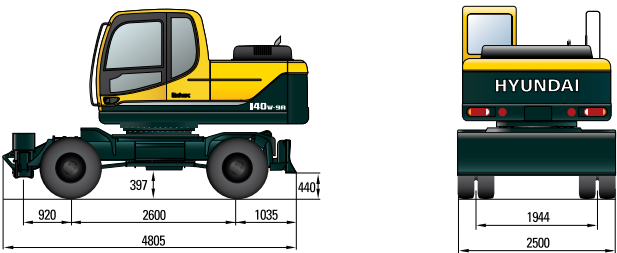
R140W-9A WITH REAR DOZER



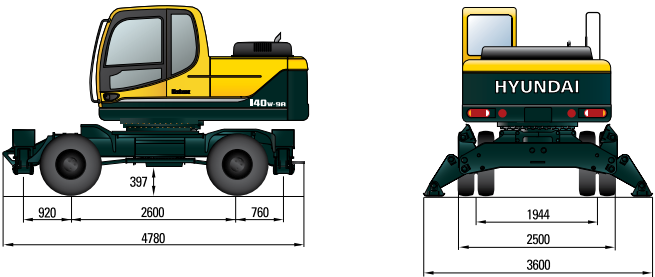
R140W-9A WITH REAR OUTRIGGER



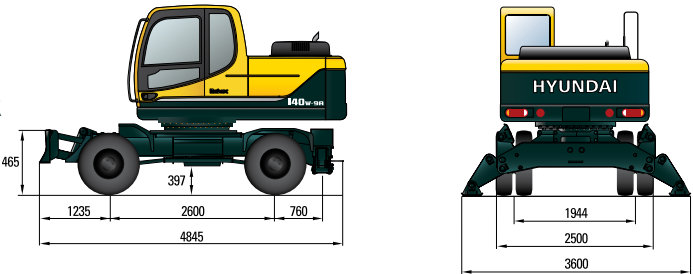
R140W-9A WITH REAR DOZER AND FRONT OUTRIGGER



R140W-9A WITH REAR AND FRONT OUTRIGGER



R140W-9A WITH REAR OUTRIGGER AND FRONT DOZER



Lifting Capacity

R140W-9A MONO BOOM

Rating over-front Rating over-side or 360 degree

Boom : 4.6 m (15' 1") / Arm : 1.9 m (6' 3") / Bucket : 0.58 m<sup>3</sup> (0.76 yd<sup>3</sup>) SAE heaped / With rear dozer blade down

| Load point height<br>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) |      | Capacity      | Reach  |
|                             |    |                |        |                 |       |                 |       |                 |      |               | m (ft) |
| 6.0 m                       | kg |                |        |                 |       | *3350           | *3350 |                 |      | *3200         | 2080   |
| (20.0 ft)                   | lb |                |        |                 |       | *7390           | *7390 |                 |      | *7050         | 4590   |
| 4.5 m                       | kg |                |        |                 |       | *3740           | 3550  | *2860           | 2120 | *3310         | 1610   |
| (15.0 ft)                   | lb |                |        |                 |       | *8250           | 7830  | *6310           | 4670 | *7300         | 3550   |
| 3.0 m                       | kg |                |        | *7070           | 6400  | *4710           | 3330  | *3900           | 2050 | 3370          | 1420   |
| (10.0 ft)                   | lb |                |        | *15590          | 14110 | *10380          | 7340  | *8600           | 4520 | 7430          | 3130   |
| 1.5 m                       | kg |                |        | *7620           | 5740  | *5750           | 3090  | *4340           | 1960 | 3320          | 1380   |
| (5.0 ft)                    | lb |                |        | *16800          | 12650 | *12680          | 6810  | *9570           | 4320 | 7320          | 3040   |
| Ground                      | kg |                |        | *8960           | 5590  | *6340           | 2940  | *4600           | 1890 | 3590          | 1480   |
| Line                        | lb |                |        | *19750          | 12320 | *13980          | 6480  | *10140          | 4170 | 7910          | 3260   |
| -1.5 m                      | kg | *7690          | *7690  | *9450           | 5620  | *6250           | 2920  |                 |      | *3860         | 1830   |
| (-5.0 ft)                   | lb | *16950         | *16950 | *20830          | 12390 | *13780          | 6440  |                 |      | *8510         | 4030   |
| -3.0 m                      | kg |                |        | *7750           | 5800  | *5020           | 3030  |                 |      |               |        |
| (-10.0 ft)                  | lb |                |        | *17090          | 12790 | *11070          | 6680  |                 |      |               |        |

Boom : 4.6 m (15' 1") / Arm : 2.1 m (6' 11") / Bucket : 0.58 m<sup>3</sup> (0.76 yd<sup>3</sup>) SAE heaped / With rear dozer blade down

| Load point height<br>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) |      | Capacity      | Reach  |
|                             |    |                |        |                 |       |                 |       |                 |      |               | m (ft) |
| 6.0 m                       | kg |                |        |                 |       | *3130           | *3130 |                 |      | *3050         | 1950   |
| (20.0 ft)                   | lb |                |        |                 |       | *6900           | *6900 |                 |      | *6720         | 4300   |
| 4.5 m                       | kg |                |        |                 |       | *3540           | *3540 | *3210           | 2120 | *3160         | 1520   |
| (15.0 ft)                   | lb |                |        |                 |       | *7800           | *7800 | *7080           | 4670 | *6970         | 3350   |
| 3.0 m                       | kg |                |        | *6620           | 6450  | *4510           | 3310  | *3770           | 2040 | 3230          | 1340   |
| (10.0 ft)                   | lb |                |        | *14590          | 14220 | *9940           | 7300  | *8310           | 4500 | 7120          | 2950   |
| 1.5 m                       | kg |                |        | *8650           | 5730  | *5580           | 3060  | *4230           | 1930 | 3180          | 1300   |
| (5.0 ft)                    | lb |                |        | *19070          | 12630 | *12300          | 6750  | *9330           | 4250 | 7010          | 2870   |
| Ground                      | kg |                |        | *9090           | 5510  | *6240           | 2900  | *4540           | 1860 | 3420          | 1390   |
| Line                        | lb |                |        | *20040          | 12150 | *13760          | 6390  | *10010          | 4100 | 7540          | 3060   |
| -1.5 m                      | kg | *7380          | *7380  | *9530           | 5530  | *6240           | 2860  |                 |      | *3760         | 1700   |
| (-5.0 ft)                   | lb | *16270         | *16270 | *21010          | 12190 | *13760          | 6310  |                 |      | *8290         | 3750   |
| -3.0 m                      | kg | *11710         | *11710 | *7990           | 5690  | *5240           | 2950  |                 |      |               |        |
| (-10.0 ft)                  | lb | *25820         | *25820 | *17610          | 12540 | *11550          | 6500  |                 |      |               |        |

Boom : 4.6 m (15' 1") / Arm : 2.5 m (8' 2") / Bucket : 0.58 m<sup>3</sup> (0.76 yd<sup>3</sup>) SAE heaped / With rear dozer blade down

| Load point height<br>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) |      | Capacity      | Reach  |
|                             |    |                |        |                 |        |                 |       |                 |      |               | m (ft) |
| 6.0 m                       | kg |                |        |                 |        |                 |       |                 |      | *2820         | 1700   |
| (20.0 ft)                   | lb |                |        |                 |        |                 |       |                 |      | *6220         | 3750   |
| 4.5 m                       | kg |                |        |                 |        | *3110           | *3110 | *2980           | 2150 | *2880         | 1360   |
| (15.0 ft)                   | lb |                |        |                 |        | *6860           | *6860 | *6570           | 4740 | *6350         | 3000   |
| 3.0 m                       | kg |                |        | *5700           | *5700  | *4110           | 3360  | *3500           | 2050 | *2930         | 1200   |
| (10.0 ft)                   | lb |                |        | *12570          | *12570 | *9060           | 7410  | *7720           | 4520 | *6460         | 2650   |
| 1.5 m                       | kg |                |        | *8610           | 5850   | *5270           | 3080  | *4030           | 1930 | 2900          | 1160   |
| (5.0 ft)                    | lb |                |        | *18980          | 12900  | *11620          | 6790  | *8880           | 4250 | 6390          | 2560   |
| Ground                      | kg | *3820          | *3820  | *9000           | 5500   | *6070           | 2890  | *4430           | 1830 | 3090          | 1240   |
| Line                        | lb | *8420          | *8420  | *19840          | 12130  | *13380          | 6370  | *9770           | 4030 | 6810          | 2730   |
| -1.5 m                      | kg | *6470          | *6470  | *9740           | 5460   | *6260           | 2820  | *4470           | 1800 | *3510         | 1480   |
| (-5.0 ft)                   | lb | *14260         | *14260 | *21470          | 12040  | *13800          | 6220  | *9850           | 3970 | *7740         | 3260   |
| -3.0 m                      | kg | *9750          | *9750  | *8560           | 5580   | *5620           | 2870  |                 |      | *3480         | 2150   |
| (-10.0 ft)                  | lb | *21500         | *21500 | *18870          | 12300  | *12390          | 6330  |                 |      | *7670         | 4740   |

1. Lifting capacity is based on SAE J1097, ISO 10567.  
2. Lifting capacity of the Robex Series does not exceed 75% of the tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
3. The load point is a hook located on the back of the bucket.  
4. (\*) indicates the load limited by hydraulic capacity.



Lifting Capacity

R140W-9A MONO BOOM

Boom : 4.6 m (15' 1") / Arm : 3.0 m (9' 10") / Bucket : 0.58 m³ (0.76 yd³) SAE heaped / With rear dozer blade down

| Load point height<br>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) |
| 6.0 m                       | kg |                |        |                 |       |                 |      | *2100           | *2100 |                 |      | *2570         | 1480 | 7.46   |
| (20.0 ft)                   | lb |                |        |                 |       |                 |      | *4630           | *4630 |                 |      | *5670         | 3260 | (24.5) |
| 4.5 m                       | kg |                |        |                 |       |                 |      | *2710           | 2200  |                 |      | *2590         | 1210 | 8.14   |
| (15.0 ft)                   | lb |                |        |                 |       |                 |      | *5970           | 4850  |                 |      | *5710         | 2670 | (26.7) |
| 3.0 m                       | kg |                |        |                 |       | *3580           | 3450 | *3170           | 2090  | *1780           | 1350 | *2640         | 1080 | 8.46   |
| (10.0 ft)                   | lb |                |        |                 |       | *7890           | 7610 | *6990           | 4610  | *3920           | 2980 | *5820         | 2380 | (27.8) |
| 1.5 m                       | kg |                |        | *7700           | 6080  | *4840           | 3150 | *3770           | 1960  | *2190           | 1290 | 2640          | 1040 | 8.46   |
| (5.0 ft)                    | lb |                |        | *16980          | 13400 | *10670          | 6940 | *8310           | 4320  | *4830           | 2840 | 5820          | 2290 | (27.8) |
| Ground                      | kg | *3780          | *3780  | *9530           | 5580  | *5830           | 2920 | *4280           | 1840  | *1820           | 1250 | 2780          | 1100 | 8.15   |
| Line                        | lb |                |        | *21010          | 12300 | *12850          | 6440 | *9440           | 4060  | *4010           | 2760 | 6130          | 2430 | (26.7) |
| -1.5 m                      | kg | *5830          | *5830  | *9890           | 5450  | *6250           | 2810 | *4490           | 1780  |                 |      | 3210          | 1280 | 7.48   |
| (-5.0 ft)                   | lb | *12850         | *12850 | *21800          | 12020 | *13780          | 6190 | *9900           | 3920  |                 |      | 7080          | 2820 | (24.5) |
| -3.0 m                      | kg | *8470          | *8470  | *9150           | 5500  | *5950           | 2820 | *3320           | 1810  |                 |      | *3390         | 1750 | 6.31   |
| (-10.0 ft)                  | lb | *18670         | *18670 | *20170          | 12130 | *13120          | 6220 | *7320           | 3990  |                 |      | *7470         | 3860 | (20.7) |
| -4.5 m                      | kg |                |        | *6890           | 5740  |                 |      |                 |       |                 |      |               |      |        |
| (-15.0 ft)                  | lb |                |        | *15190          | 12650 |                 |      |                 |       |                 |      |               |      |        |

R140W-9A ADJUSTABLE BOOM

Boom : 4.9 m (16' 9") / Arm : 1.9 m (6' 3") / Bucket : 0.58 m³ (0.76 yd³) SAE heaped / With rear dozer blade down

| Load point height<br>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) |      | Capacity      |      | Reach  |
|                             |    |                 |       |                 |       |                 |      |               |      |        |
| 6.0 m                       | kg |                 |       | *2960           | *2960 |                 |      | *2910         | 1790 | 6.70   |
| (20.0 ft)                   | lb |                 |       | *6530           | *6530 |                 |      | *6420         | 3950 | (22.0) |
| 4.5 m                       | kg | *4240           | *4240 | *3500           | *3500 | *3230           | 2110 | *3010         | 1410 | 7.46   |
| (15.0 ft)                   | lb | *9350           | *9350 | *7720           | *7720 | *7120           | 4650 | *6640         | 3110 | (24.5) |
| 3.0 m                       | kg |                 |       | *4520           | 3250  | *3630           | 2020 | 3080          | 1250 | 7.81   |
| (10.0 ft)                   | lb |                 |       | *9960           | 7170  | *8000           | 4450 | 6790          | 2760 | (25.6) |
| 1.5 m                       | kg |                 |       | *5550           | 2980  | *4110           | 1900 | 3040          | 1220 | 7.81   |
| (5.0 ft)                    | lb |                 |       | *12240          | 6570  | *9060           | 4190 | 6700          | 2690 | (25.6) |
| Ground                      | kg | *6150           | 5410  | *6150           | 2840  | *4450           | 1830 | 3260          | 1310 | 7.47   |
| Line                        | lb | *13560          | 11930 | *13560          | 6260  | *9810           | 4030 | 7190          | 2890 | (24.5) |
| -1.5 m                      | kg | *9320           | 5480  | *6170           | 2820  | *4410           | 1820 | *3580         | 1590 | 6.72   |
| (-5.0 ft)                   | lb | *20550          | 12080 | *13600          | 6220  | *9720           | 4010 | *7890         | 3510 | (22.0) |
| -3.0 m                      | kg |                 |       | *5400           | 2920  |                 |      |               |      |        |
| (-10.0 ft)                  | lb |                 |       | *11900          | 6440  |                 |      |               |      |        |

Boom : 4.9 m (16' 9") / Arm : 2.1 m (6' 11") / Bucket : 0.58 m³ (0.76 yd³) SAE heaped / With rear dozer blade down

| Load point height<br>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) |      | Capacity      |      | Reach  |
|                             |    |                 |       |                 |       |                 |      |               |      |        |
| 6.0 m                       | kg |                 |       | *2770           | *2770 |                 |      | *2780         | 1680 | 6.91   |
| (20.0 ft)                   | lb |                 |       | *6110           | *6110 |                 |      | *6130         | 3700 | (22.7) |
| 4.5 m                       | kg |                 |       | *3300           | *3300 | *3090           | 2110 | *2880         | 1330 | 7.65   |
| (15.0 ft)                   | lb |                 |       | *7280           | *7280 | *6810           | 4650 | *6350         | 2930 | (25.1) |
| 3.0 m                       | kg |                 |       | *4320           | 3240  | *3500           | 2000 | 2950          | 1180 | 7.99   |
| (10.0 ft)                   | lb |                 |       | *9520           | 7140  | *7720           | 4410 | 6500          | 2600 | (26.2) |
| 1.5 m                       | kg |                 |       | *5380           | 2950  | *4000           | 1870 | 2910          | 1140 | 7.99   |
| (5.0 ft)                    | lb |                 |       | *11860          | 6500  | *8820           | 4120 | 6420          | 2510 | (26.2) |
| Ground                      | kg | *6320           | 5320  | *6040           | 2790  | *4370           | 1790 | 3110          | 1220 | 7.66   |
| Line                        | lb | *13930          | 11730 | *13320          | 6150  | *9630           | 3950 | 6860          | 2690 | (25.1) |
| -1.5 m                      | kg | *9370           | 5370  | *6140           | 2760  | *4400           | 1770 | *3480         | 1470 | 6.93   |
| (-5.0 ft)                   | lb | *20660          | 11840 | *13540          | 6080  | *9700           | 3900 | *7670         | 3240 | (22.7) |
| -3.0 m                      | kg |                 |       | *5500           | 2840  |                 |      |               |      |        |
| (-10.0 ft)                  | lb |                 |       | *12130          | 6260  |                 |      |               |      |        |

1. Lifting capacity is based on SAE J1097, ISO 10567.

2. Lifting capacity of the Robex Series does not exceed 75% of the tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
3. The load point is a hook located on the back of the bucket.

4. (\*) indicates the load limited by hydraulic capacity.

Lifting Capacity

R140W-9A ADJUSTABLE BOOM

Boom : 4.9 m (16' 9") / Arm : 2.5 m (8' 2") / Bucket : 0.58 m³ (0.76 yd³) SAE heaped / With rear dozer blade down

| Load point height<br>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) |
| 6.0 m                       | kg |                 |        |                 |      |                 |       |                 |      | *2560         | 2180 |        |
| (20.0 ft)                   | lb |                 |        |                 |      |                 |       |                 |      | *5640         | 4810 |        |
| 4.5 m                       | kg |                 |        |                 |      | *2900           | *2900 |                 |      | *2800         | 2140 |        |
| (15.0 ft)                   | lb |                 |        |                 |      | *6390           | *6390 |                 |      | *6170         | 4720 |        |
| 3.0 m                       | kg | *5850           | *5850  | *3940           | 3290 | *3250           | 2010  | *2020           | 1300 | 2700          | 1050 | 8.40   |
| (10.0 ft)                   | lb | *12900          | *12900 | *8690           | 7250 | *7170           | 4430  | *4450           | 2870 | 5950          | 2310 | (27.6) |
| 1.5 m                       | kg | *6100           | 5580   | *5080           | 2980 | *3800           | 1870  | *2540           | 1250 | 2660          | 1020 | 8.40   |
| (5.0 ft)                    | lb | *13450          | 12300  | *11200          | 6570 | *8380           | 4120  | *5600           | 2760 | 5860          | 2250 | (27.6) |
| Ground                      | kg | *6370           | 5300   | *5870           | 2780 | *4240           | 1770  |                 |      | 2820          | 1080 | 8.09   |
| Line                        | lb | *14040          | 11680  | *12940          | 6130 | *9350           | 3900  |                 |      | 6220          | 2380 | (26.5) |
| -1.5 m                      | kg | *9040           | 5290   | *6120           | 2720 | *4400           | 1730  |                 |      | *3240         | 1280 | 7.41   |
| (-5.0 ft)                   | lb | *19930          | 11660  | *13490          | 6000 | *9700           | 3810  |                 |      | *7140         | 2820 | (24.3) |
| -3.0 m                      | kg | *8660           | 5430   | *5730           | 2770 |                 |       |                 |      |               |      |        |
| (-10.0 ft)                  | lb | *19090          | 11970  | *12630          | 6110 |                 |       |                 |      |               |      |        |

1. Lifting capacity is based on SAE J1097, ISO 10567.

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3. The load point is a hook located on the back of the bucket.

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