www.**hyundai-ce**.com

HYUNDAI CONSTRUCTION EQUIPMENT

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PLEASE CONTACT

2021. NOV

HYUNDAI
CONSTRUCTION EQUIPMENT

MOVING YOU FURTHER

Gross Power
129 kW (173 hp) at 2,200 rpm

Net Power
127 kW (170 hp) at 2,200 rpm

Operating Weight
Mono boom | 17,580 kg (38,760 lb)
2-Piece boom | 18,390 kg (40,540 lb)

HW160A

With EU Stage V Engine Installed

* Photo may include optional equipment.

WHAT'S NEWEST AND BEST

THE BEST PRODUCTIVITY AND FUEL EFFICIENCY

- EU STAGE V Engine NEW
- Load Sensing Hydraulic System (LUDV) NEW
- Reversable Fan NEW
- Attachment Flow Control Option
- ECO Gauge
- Enlarged Air Inlet with Grill Cover
- Cycle Time Improvement

ULTIMATE DURABILITY

- Durable Cooling Module
- Reinforced Pins, Bushings and Polymer Shims
- Better Weight Balance
- Hi-grade (High-pressure) Hoses

EASY CONTROL AND COMFORTABLE OPERATION

- FNR and Ram Lock Switch on Joystick NEW
- Bucket-Clamshell Adaptation NEW Option
- Proportional Joysticks and Pedal Control NEW Option
- Ride Control NEW Option
- Trailer Hitch Preparation NEW Option
- Efficient Climate Control NEW Option
- Tiltrotator Preparation NEW Option
- Automatic digging brake NEW Option
- Joystick steering NEW Option
- Swing Lock System Option
- Fine Swing Control Option
- Proportional Auxiliary Hydraulic Lines Option
- Intelligent and Wide Cluster
- Jog Dial Module
- Infotainment System or USB-MP3-Handsfree Audio System

THE ULTIMATE SAFE ENVIRONMENT

- Auto Safety Lock NEW
- Electronic Swing Parking Brake Control NEW
- Cabin Suspension Mount NEW
- Rear and Mirror view Camera NEW Option
- AAVM (Advanced Around View Monitoring) Camera System Option
- Cruise Control & Speed Limiter NEW Option
- Seatbelt Warning Signal
- Radar with 2nd Monitor

SERVICEABILITY AND TELEMATICS

- Hi MATE Option
- ECD(Engine Connected Diagnostics) NEW
- Mobile Fleet App
- HCE-DT Air NEW
- Easy Access to DEF/AdBlue® Supply System
- Longer Lasting Filter

*Photo may include optional equipment.

STAGE V

EU STAGE V CERTIFIED EN-

Cummins B4.5 engine is satisfying the most strict environmental emission regulation in the world. (Reduction in PM 60%)

EU STAGE V Engine NEW

Now in its fourth decade of continuous improvement, the B4.5 for 2019 features an EGR-free design that delivers 5 percent more power and 31 percent more peak torque than the current model. Increased fuel economy and longer maintenance intervals contribute to a reduced cost of operation.

EGR

Near Zero Emission

Load Sensing Hydraulic System (LUDV) NEW

It can minimize hydraulic shock phenomenon at combined operation and provide improved combined controllability especially travel with attachment.

Cycle Time Improvement

The HW A Series provides higher productivity on the site by faster operation: it loads trucks up to 2% faster than the 9 Series.

ENVIRONMENTALLY FRIENDLY FUEL EFFICIENCY

Reversable Fan NEW

The HW A Series provides excellent cooling performance by increasing heat dissipation and can be easily cleaned.

Attachment Flow Control Option

The HW A Series optimizes attachments for effective flow rate setting depending on attachments (ten breaker types and ten crusher types), enabling various operations matching the site environments.

ECO Gauge

The operator can easily check the fuel consumption status from the ECO GAUGE in the cluster. Hourly and daily based fuel consumption can be checked in the detailed menu as well.

Enlarged Air Inlet with Grill Cover

Enlarged vent hole of the air inlet side cover and fine net grill to prevent penetration of foreign materials further improve durability.

MORE FUEL-EFFCIENCY

Faster Leveling 10%

Truck Loading 18%

THE BEST PRODUCTIVITY AND FUEL EFFICIENCY

HW A Series is equipped with eco-friendly, high-performance engines that meet the EU Stage V emission requirements.

*Photo may include optional equipment.

ULTIMATE DURABILITY

The true value of HW A Series lies in its durability and high productivity.
The robust upper and lower frame structure can endure external shock and heavy work loads.
Attachment performance has been proven through rigorous field testing.
No matter how tough the working environment is, you can always rely on the HYUNDAI Excavator A Series.

Hi-grade (High-pressure) Hoses

The HW A Series uses high-pressure hoses with improved heat and pressure resistance, greatly increasing the durability of the equipment.

Durable Cooling Module

The HW A Series has a durable cooling module that passed stringent tests, demonstrating the highest productivity in tough working environments.

Better weight balance

The upper and lower frames has been moved forward from the center of the swing and the swing support height has been lowered to optimize weight balance and reduce the tail swing radius.

Reinforced Pin, Bush, and Polymer Shim

The HW A series improves lubricity of connecting parts between the equipment and attachments. Gaps with attachments are minimized by wear-resistant long-life pins, bushes, and polymer shims, supporting the highest performance with invariable durability.

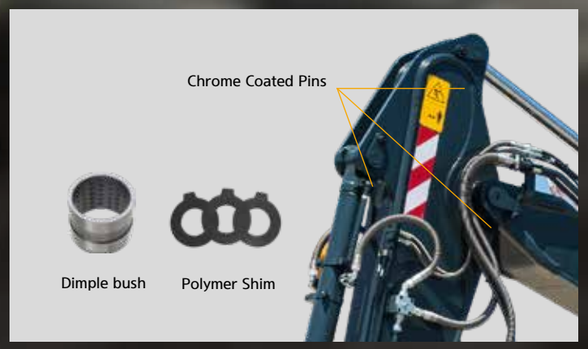

*Photo may include optional equipment.

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EASY CONTROL AND COMFORTABLE OPERATION

Many electronic functions are concentrated in the most convenient spot for operators to improve work efficiency. The highly-advanced infotainment system, a product of HCE's intensive information technology developlment, enables both productivity and comfort while working! HW A Series is designed with the operator in mind.

FNR and Ram Lock Switch on Joystick NEW

It is easy to control FNR and Ram Lock, because the switches for the options are located on joystick.

Ram Lock Switch

FNR Switch

Bucket-Clamshell Adaptation NEW Option

To use the clamshell grab, various parts including the 3 way valve are installed on equipment. The equipment can use the clamshell grab instead of the bucket.

Efficient Climate Control NEW Option

With further improved air conditioning and heating, the HW A Series increases the APTC capacity by 15% to provide a pleasant environment for operators all the time. The ventilation was designed such that warm and cool air even reach operators' faces (increasing their work satisfaction) or allowing pleasant working environment.

Tiltrotator Preparation NEW Option

It can maximize the utilization of the equipment in a limited space, helping to improve task efficieney and task productivity.

Proportional Auxiliary Hydraulic Lines Option

Proportional control switch with better speed control helps operators to enlarge the operation convenience whenever they do time-consuming work. And this function can be switched with pedal valve in cluster setting menu.

Jog Dial Module

The integrated jog dial module applies to the accelerator, remote air conditioner controller and operation of the cluster, allowing convenient operation. In the event of failure of the jog dial module, the emergency mode is activated on the cluster to ensure fail-safe function.

Proportional Joysticks and Pedal Control NEW Option

Attachments can be controlled by proportional switch on the joystick or pedal for the attachments.

Trailer Hitch Preparation NEW Option

Trailer Hitch Preparation gives electric, hydraulic connectors for easily mounting a hitch hook.

Ride Control NEW Option

It helps the operator to drive smoothly by reducing the front attachment vibration. It also provides Boom Floating Function.

Automatic digging brake NEW Option

While mark on this option sign on cluster, the brake operates without pushing brake pedal.

Joystick steering NEW Option

While mark on this option sign on cluster, the joystick like the steering wheel can control wheels.

Swing Lock System Option

Swing lock system is provided to maintain stability when swing movement needs to be limited, improving operating speed and productivity.

Fine Swing Control Option

This option enables fine swing movement at the start and stop of operation.

Intelligent and Wide Cluster

The 8" capacitive-type display(like smart phone display) of HW A Series is delivering excellent legibility. The centralized switches on the display allow convenience of checking the urea level and temperature outside the cabin.

Infotainment System or USB-MP3-Handsfree Audio System

Radio player, USB-based MP3 player, integrated Bluetooth hands-free feature, and built-in microphone allow convenient phone calls while in work and in transit. The radio player was moved to the right side from the rear, allowing easier access.

HW160A with advanced technology ensures our safety on a construction site.

HW A Series excavators are products of HCE's spirit of initiative, creativity, and strong drive. HCE engineers, who are the best in the industry, have worked tirelessly to offer a zero-defect product. The new HW A Series reflects customers' needs in the field gleaned by thorough monitoring.

Auto Safety Lock NEW

It prevents unintended operation. If operator unlock safety knob position when RCV lever is pressed, excavator is not controlled by RCV lever.

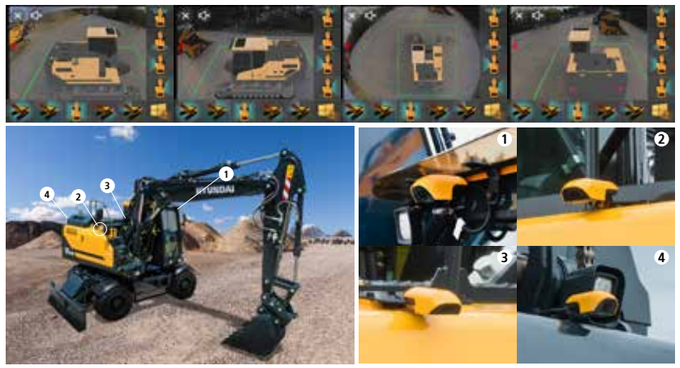
Elctronic Swing Parking Brake Control NEW

An electronic valve and control system is applied to improve safety and utilization. The opening and closing time of the swing brake valve is controlled according to the sensing and control system.

AAVM(Advanced Around View Monitoring) Camera System Option

HW A Series has a state-of-the-art AAVM video camera system to secure field of vision for operators in all directions, thereby preventing accidents. Operators can easily check the workplace in the front and rear and to the right and left.

- **AAVM**(Advanced Around View Monitoring) : Secure field of vision in all directions by nine views including 3D bird's eye view and 2D/4CH view.
- **IMOD**(Intelligent Moving Object Detection) : Inform when people or dangerous objects are detected within the range of operation(recognition distance : 5 m).



Radar with 2nd Monitor NEW

The rear radar can provide excellent detection performance in any weather conditions, and the operator can check the alarm, detection distance and other visual information (if rear camera is installed) on the second monitor in real time.

Rear and Mirror View Camera

NEW Option

Simple type mirror view with rear view camera option is available. This option helps the operator cover visual blind spot on the right side.

Cruise Control & Speed Limiter

NEW Option

HW A Series has an option to keep the driving speed without accelerator pedal and an option to limit max speed for local speed reuglations.

Seatbelt Warning Signal

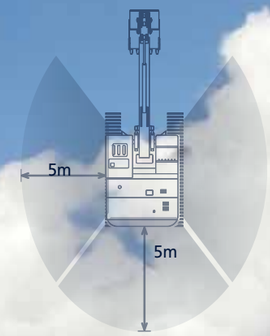
If the seatbelt is not buckled when the ignition key is turned, an alarm is triggered in intervals along with a continuous visual alert. This emphasises our priority for operator safety.

Cabin Suspension Mount

With a low-vibration design by the coil spring and damper inside the mount, the cab suspension mount of HW A Series reduces noise inside the cabin and improves durability, providing a comfortable operation space that lessens operators' fatigue.

THE ULTIMATE SAFE ENVIRONMENT

The true value of HW A Series lies in its safety.
You can focus on your work with confidence with safety devices designed to take into account the nature of your work environment.



* AAVM (OPTION APPLIED)

*Photo may include optional equipment.

SERVICEABILITY AND TELEMATICS

IoT / ICT / AI-based digital technology.
Creating a smart construction site. Maximizes connectivity, productivity, and safety for successful businesses.

*Photo may include optional equipment.

HiMATE

Option

IT'S CONVENIENT, EASY AND VALUABLE

Hi MATE Hyundai's newly developed remote management system, utilizes GPS-satellite technology to provide customers with the highest level of service and product support available. Hi MATE enables users to remote-ly evaluate machine performance, access diagnostic information, and verify machine locations at the touch of a button.

WHAT ARE BENEFITS

Increase Productivity

It helps you operate machines in efficient. You can check the difference between total engine hours and actual working hours. See how productive your machines are and plan any required cost saving solutions. Hi MATE offers working information such as working / idling hours, fuel consumption and rate.

Convenient and Easy Monitoring

There is nothing much to do to monitor your machines. Just log on to the Hi MATE website or mobile application. Hi MATE allows you to watch your machines whenever and wher-ever you are.

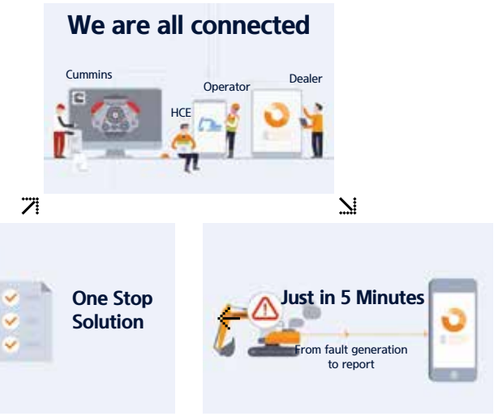
Security

Protect your machines from theft or unau-thorized usage with Hi MATE. If the machine moves out of the Geo-fence boundary, you will get alerts.

ECD(Engine Connected Diagnostics) NEW Option

ECD will support the after sales technicians and dealers with a diagnostics report (via e-mail, mobile, app or Hi MATE) on the engine performance. This will help after sales technicians arrive on site with the necessary tools and parts to fix troubles in one visit.

ECD is an integrated remote diagnostics service between Cummins cloud and Hi MATE cloud.



Mobile Fleet App. Option

The new Mobile App is optimized to fleet management. It provides productivity, health insights based on telematics technology and enables fleet owner just focus on most wanted equipment in view of economical usage, utilization, fault codes and maintenance.

'Hi MATE Fleet Manager' App

HCE-DT Air NEW

HCE-DT Air connects you and your equipment wirelessly via smart-phone and laptop right on site. You can diagnose root causes and troubleshoot for fault codes through the connection.

Easy Access to DEF/AdBlue® Supply System

The DEF/AdBlue® tank is installed inside the tool box and its inlet is remotely located for easy access and convenient supply. Warning of overfill is given by a red lamp signal.

2X Longer Lasting Filter

The length of product life period is improved from 500 hours to 1,000hours. (when using CK-4 engine oil)

- Engine Oil Filter (to 800 hours)
- Engine Oil (to 800 hours)
- Pre-filter
- Fuel Filter

200% IMPROVED

SPECIFICATIONS

ENGINE

Maker / Model	CUMMINS / B4.5
Type	4 cylinder, water cooled, 4-cycle, turbocharged charge air cooled, direct injection, electronic controlled diesel engine.
Gross Power	129 kW (173 hp) at 2,200 rpm
Net Power	127 kW (170 hp) at 2,200 rpm
Max. Power	129 kW (173 hp) at 2,200 rpm
Peak Torque	780 N · m (575 lb.ft) at 1,500 rpm
Displacement	4.5 ℓ (275 cu in)

HYDRAULIC SYSTEM

Advanced Load Sensing System(LUDV)
Load independent flow sharing

MAIN PUMP

Type	Variable displacement pump
Max. flow	260 lpm @ 1,600 rpm

AUX PUMP FOR STEERING OR ROTATION PIPING

Type	Piston pumps
Max. flow	60 lpm

HYDRAULIC MOTORS

Travel	Bent - axis pistons motor
Swing	Radial Piston Motor

RELIEF VALVE SETTING

Implement circuits	350 kgf/cm² (4,970 psi)
Travel	380 kgf/cm² (5,400 psi)
Power boost (boom, arm, bucket)	380 kgf/cm² (5,400 psi)
Pilot circuit	35 kgf/cm² (500 psi)
Service valve	Installed

HYDRAULIC CYLINDERS

No. of cylinder bore X stroke	Boom: 2-110 x 1,090 mm
	Arm: 1-120 x 1,235 mm
	Bucket: 1-105 x 995 mm
	Blade: 2-110 x 235 mm
	Outrigger: 2-125 x 463 mm
	2-PCS boom: 2-110 x 992mm
	Adjust(boom): 1-160 x 624mm

* Hyundai Bio Hydraulic Oil (HBHO) available

DRIVES & BRAKES

4-wheel hydrostatic drive. Constant mesh, helical gear transmission provides 2 forward and reverse travel speeds.

Max. drawbar pull		10,720 kgf (23,636 lbf)
Travel speed	1st	9.5 km/h
	2nd	35 km/h or 20 km/h (Option)
Gradeability		30°

Service Brake :
- Independent dual brake, front and rear axle full hydraulic power brake.
- Spring released and hydraulic applied wet type multiple disc brake.

Parking Brake :
- Spring applied and hydraulic released wet disc brake type in transmission.

CONTROL

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

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

AXLE & WHEEL

Full floating front axle is supported by center pin for oscillation. It can be locked by oscillation lock cylinders. Rear axle is fixed on the lower chassis.

Tires	10.00-20-14PR, Dual(tube type)
(Optional)	10.00-20, Dual (solid type)
	10.00-20-16PR, Dual(tube type)

STEERING SYSTEM

Hydraulically actuated, orbitrol type steering system actuates on front wheels through the steering cylinders.

Min. turning radius	6,300 mm (20' 8")

SWING SYSTEM

Swing motor	Fixed displacement radial piston motor
Swing bearing lubrication	Grease-bathed
Swing brake	Multi wet disc
Swing speed	9.5rpm

SERVICE CAPACITIES

		liter	US gal	UK gal
Fuel tank		250	66.0	55.0
Engine coolant		19.5	5.2	4.3
Engine oil		11	2.9	2.4
Swing device - gear oil (OPT)		6.2 (5.0)	1.64 (1.3)	1.36 (1.09)
Swing device - greese (OPT)		(1.2)	(0.32)	(0.26)
Axle	Front	15.5	4.09	3.41
	Rear	17.5	4.62	3.85
Transmission		2.5	0.7	0.5
Hydraulic system (including tank)		204	53.9	44.9
Hydraulic tank		122	32.2	26.8
DEF/AdBlue®		27	7.1	5.9

UNDERCARRIAGE

Reinforced box-section frame is all-welded, low-stress.
Dozer blade and outriggers are available. A pin-on design.

Dozer blade	A very useful addition for leveling and back filling or clean-up work.
Outrigger	Indicated for max. operation stabillity when digging and lifting. Can be mounted on the front/or the rear.

OPERATING WEIGHT (APPROXIMATE)

Operating weight, including 5,000mm (16' 5") Mono boom, 5,100mm (16' 9") 2-Piece boom, 2,450mm (8' 0") arm, SAE heaped 0.89 m³ (1.16 yd³) backhoe bucket, lubricant, coolant, full fuel tank, hydraulic tank and the standard equipment.

OPERATING WEIGHT

	Mono boom	2-Piece boom
Rear dozer blade	17,580 kg (38,760 lb)	18,390 kg (40,540 lb)
Rear outrigger	17,850 kg (39,350 lb)	18,660 kg (41,140 lb)
Front outrigger and rear blade	18,800 kg (41,450 lb)	19,610 kg (43,230 lb)
Front blade and rear outrigger	18,800 kg (41,450 lb)	19,610 kg (43,230 lb)
Four outrigger	19,070 kg (42,040 lb)	19,880 kg (43,830 lb)

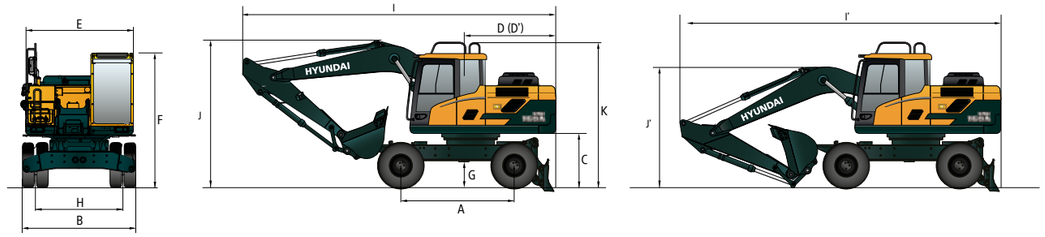
AIR CONDITIONING SYSTEM

The air condition system for the machine contains the fluorinated greenhouse gas with global warming potential of R134a.
(Global Warming Potential : 1,430)
The system hold 0.65kg refrigerant consisting of a CO_2 equivalent 0.93kg metric tonne. For more information, Please refer to the manual.

DIMENSIONS & WORKING RANGE

HW160A MONO BOOM DIMENSIONS

5.0 m (16' 5") Mono boom, 2.0 m (6' 7"), 2.45 m (8' 0"), 2.6 m (8' 6"), 3.1 m (10' 2") Arm, Rear dozer

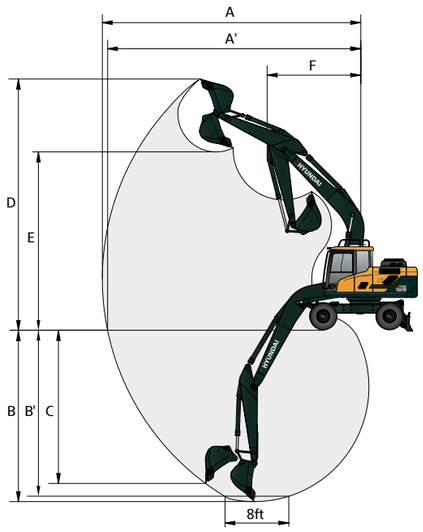


Unit : mm (ft · in)

	Arm length	2,000 (6' 7")	2,450 (8' 0")	2,600 (8' 6")	3,100 (10' 2")
I	Overall length (Traveling position)	8,180 (26' 10")	8,130 (26' 8")	8,015 (26' 4")	8,010 (26' 3")
I'	Overall length (Shipping position)	8,280 (27' 2")	8,215 (26' 11")	8,240 (27' 0")	8,210 (26' 11")
J	Overall height of boom (Traveling position)	3,520 (11' 7")	3,510 (11' 6")	3,790 (12' 5")	3,940 (12' 11")
J'	Overall height of boom (Shipping position)	3,090 (10' 2")	2,965 (9' 9")	3,250 (10' 8")	3,530 (11' 7")

A	Wheel base	2,600 (8' 6")
B	Overall width (STD / Wide axle)	2,530 (8' 4") / 2,700 (8' 10")
C	Ground clearance of counterweight	1,265 (4' 2")
D	Rear-end distance	2,240 (7' 4")
D'	Rear-end swing radius	2,250 (7' 5")
E	Upperstructure width	2,485 (8' 2")
F	Overall height of cab	3,230 (10' 7")
G	Min. ground clearance	370 (1' 3")
H	Tread	1,944 (6' 5")
K	Overall height of guardrail	3,450 (10' 9")

HW160A MONO BOOM WORKING RANGE



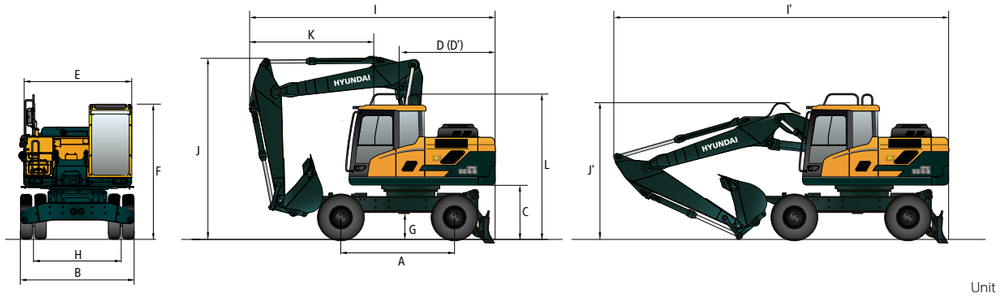
Unit : mm (ft · in)

	Boom length	5,000 (16' 5")			
	Arm length	2,000 (6' 7")	2,450 (8' 0")	2,600 (8' 6")	3,100 (10' 2")
A	Max. digging reach	8,360 (27' 5")	8,820 (28' 11")	8,865 (29' 1")	9,285 (30' 6")
A'	Max. digging reach on ground	8,140 (26' 8")	8,610 (28' 3")	8,660 (28' 5")	9,090 (29' 10")
B	Max. digging depth	5,160 (16' 11")	5,610 (18' 5")	5,760 (18' 11")	6,260 (20' 6")
B'	Max. digging depth (8' level)	4,910 (16' 1")	5,410 (17' 9")	5,530 (18' 2")	6,045 (19' 10")
C	Max. vertical wall digging depth	4,430 (14' 6")	5,060 (16' 7")	4,870 (16' 0")	5,220 (17' 2")
D	Max. digging height	8,640 (28' 4")	9,010 (29' 7")	8,810 (28' 11")	8,920 (29' 3")
E	Max. dumping height	6,030 (19' 9")	6,360 (20' 10")	6,210 (20' 4")	6,350 (20' 10")
F	Min. swing radius	3,480 (11' 5")	3,170 (10' 5")	3,450 (11' 4")	3,500 (11' 6")

DIMENSIONS & WORKING RANGE

HW160A 2-PIECE BOOM DIMENSIONS

5.1 m (16' 9") 2-Piece boom, 2.0 m (6' 7"), 2.45 m (8' 0"), 2.6 m (8' 6") Arm, Rear dozer

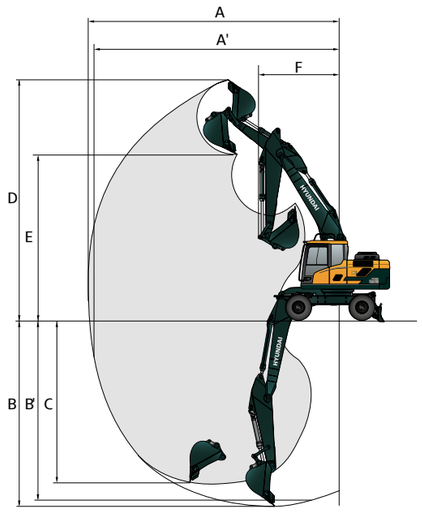


Unit : mm (ft · in)

A	Wheel base	2,600 (8' 6")
B	Overall width (STD / Wide axle)	2,530 (8' 4") / 2,700 (8' 10")
C	Ground clearance of counterweight	1,265 (4' 2")
D	Rear-end distance	2,240 (7' 4")
D'	Rear-end swing radius	2,250 (7' 5")
E	Upperstructure width	2,485 (8' 2")
F	Overall height of cab	3,230 (10' 6")
G	Min. ground clearance	370 (1' 3")
H	Tread	1,944 (6' 5")
L	Overall height of guardrail	3,450 (10' 9")

	Boom length	5,100 (16' 9")		
	Arm length	2,000 (6' 7")	2,450 (8' 0")	2,600 (8' 6")
I	Overall length (Traveling position)	6,325 (20' 9")	6,290 (20' 8")	6,230 (20' 5")
I'	Overall length (Shipping position)	8,340 (27' 4")	8,300 (27' 3")	8,260 (27' 1")
J	Overall height of boom (Traveling position)	3,930 (12' 11")	3,930 (12' 11")	3,930 (12' 11")
J'	Overall height of boom (Shipping position)	2,950 (9' 8")	2,920 (9' 7")	3,150 (10' 4")
K	End of attachment to steering wheel	3,210 (10' 6")	3,180 (10' 5")	3,110 (10' 2")

HW160A 2-PIECE BOOM WORKING RANGE



Unit : mm (ft · in)

	Boom length	5,100 (16' 9")		
	Arm length	2,000 (6' 7")	2,450 (8' 0")	2,600 (8' 6")
A	Max. digging reach	8,530 (28' 0")	8,990 (29' 6")	9,060 (29' 9")
A'	Max. digging reach on ground	8,310 (27' 3")	8,790 (28' 10")	8,860 (29' 1")
B	Max. digging depth	5,080 (16' 8")	5,540 (18' 2")	5,660 (18' 7")
B'	Max. digging depth (8' level)	4,970 (16' 4")	5,440 (17' 10")	5,560 (18' 3")
C	Max. vertical wall digging depth	4,240 (13' 11")	4,775 (15' 8")	4,770 (15' 8")
D	Max. digging height	9,450 (31' 0")	9,870 (32' 5")	9,770 (32' 1")
E	Max. dumping height	6,740 (22' 1")	7,140 (23' 5")	7,070 (23' 2")
F	Min. swing radius	3,370 (11' 1")	3,030 (9' 11")	3,500 (11' 6")

LIFTING CAPACITY

Rating over-front Rating over-side or 360 degree

HW160A MONO BOOM

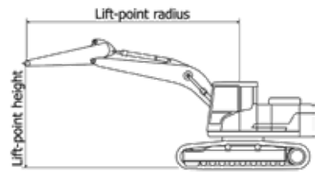
5.00 m (16' 5") Mono boom, 2.00 m (6' 7") arm equipped with STD counter weight, dozer up

Lift-point height m (ft)		Lift-point radius								At max. reach		
		1.5m (4.9ft)		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		Capacity		Reach
												m (ft)
6.0m	kg					*4,560	4,210			*4,580	2,940	5.60
19.7ft	lb					*10,050	9,280			*10,100	6,480	(18.4)
4.5m	kg					*5,180	4,040	4,430	2,590	3,920	2,290	6.47
14.8ft	lb					*11,420	8,910	9,770	5,710	8,640	5,050	(21.2)
3.0m	kg					*6,290	3,760	4,320	2,490	3,480	2,010	6.90
9.8ft	lb					*13,870	8,290	9,520	5,490	7,670	4,430	(22.6)
1.5m	kg					6,430	3,510	4,190	2,380	3,360	1,920	6.99
4.9ft	lb					14,180	7,740	9,240	5,250	7,410	4,230	(22.9)
0.0m	kg					6,290	3,390	4,120	2,310	3,510	1,990	6.73
0.0ft	lb					13,870	7,470	9,080	5,090	7,740	4,390	(22.1)
-1.5m	kg			*9,960	6,180	6,290	3,390	4,130	2,320	4,040	2,280	6.10
-4.9ft	lb			*21,960	13,620	13,870	7,470	9,110	5,110	8,910	5,030	(20.0)
-3.0m	kg			*7,850	6,360	*5,540	3,510			*4,790	3,120	4.94
-9.8ft	lb			*17,310	14,020	*12,210	7,740			*10,560	6,880	(16.2)

5.00 m (16' 5") Mono boom, 2.00 m (6' 7") arm equipped with Heavy counter weight, dozer up

Lift-point height m (ft)		Lift-point radius								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
6.0m	kg					*4,560	4,520			*4,580	3,170	5.60
19.7ft	lb					*10,050	9,960			*10,100	6,990	(18.4)
4.5m	kg					*5,180	4,350	*4,560	2,810	4,180	2,490	6.47
14.8ft	lb					*11,420	9,590	*10,050	6,190	9,220	5,490	(21.2)
3.0m	kg					*6,290	4,070	4,600	2,710	3,720	2,190	6.90
9.8ft	lb					*13,870	8,970	10,140	5,970	8,200	4,830	(22.6)
1.5m	kg					6,860	3,820	4,480	2,600	3,600	2,100	6.99
4.9ft	lb					15,120	8,420	9,880	5,730	7,940	4,630	(22.9)
0.0m	kg					6,720	3,710	4,410	2,530	3,750	2,180	6.73
0.0ft	lb					14,820	8,180	9,720	5,580	8,270	4,810	(22.1)
-1.5m	kg			*9,960	6,720	6,720	3,700	4,420	2,540	4,320	2,490	6.10
-4.9ft	lb			*21,960	14,820	14,820	8,160	9,740	5,600	9,520	5,490	(20.0)
-3.0m	kg			*7,850	6,900	*5,540	3,820			*4,790	3,390	4.94
-9.8ft	lb			*17,310	15,210	*12,210	8,420			*10,560	7,470	(16.2)

1. Lifting capacity are based on ISO 10567.
2. Lifting capacity does not exceed 75% of tipping load with the machine on firm level ground or 87% of full hydraulic capacity.
3. The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).
4. (*) indicates load limited by hydraulic capacity.



LIFTING CAPACITY

Rating over-front Rating over-side or 360 degree

HW160A MONO BOOM

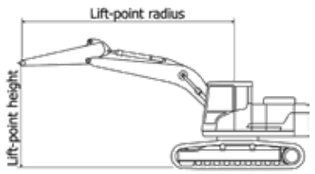
5.00 m (16' 5") Mono boom, 2.45 m (8' 0") arm equipped with STD counter weight, dozer up

Lift-point height m (ft)		Lift-point radius										At max. reach		
		1.5m (4.9ft)		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		7.5m (24.6ft)		Capacity		Reach
														m (ft)
7.5m	kg											*3,180	*3,180	4.77
24.6ft	lb											*7,010	*7,010	(15.7)
6.0m	kg							*3,550	2,670			*2,750	2,540	6.16
19.7ft	lb							*7,830	5,890			*6,060	5,600	(20.2)
4.5m	kg					*4,730	4,120	*4,240	2,630			*2,630	2,050	6.96
14.8ft	lb					*10,430	9,080	*9,350	5,800			*5,800	4,520	(22.8)
3.0m	kg					*5,890	3,820	4,350	2,510			*2,660	1,820	7.36
9.8ft	lb					*12,990	8,420	9,590	5,530			*5,860	4,010	(24.2)
1.5m	kg					6,470	3,550	4,200	2,390			*2,830	1,740	7.44
4.9ft	lb					14,260	7,830	9,260	5,270			*6,240	3,840	(24.4)
0.0m	kg			*5,870	*5,870	6,290	3,390	4,110	2,300			3,170	1,790	7.21
0.0ft	lb			*12,940	*12,940	13,870	7,470	9,060	5,070			6,990	3,950	(23.6)
-1.5m	kg	*5,810	*5,810	*10,160	6,100	6,250	3,360	4,090	2,280			3,570	2,020	6.62
-4.9ft	lb	*12,810	*12,810	*22,400	13,450	13,780	7,410	9,020	5,030			7,870	4,450	(21.7)
-3.0m	kg	*10,280	*10,280	*8,790	6,250	*6,160	3,430					*4,540	2,600	5.57
-9.8ft	lb	*22,660	*22,660	*19,380	13,780	*13,580	7,560					*10,010	5,730	(18.3)

5.00 m (16' 5") Mono boom, 2.45 m (8' 0") arm equipped with Heavy counter weight, dozer up

Lift-point height m (ft)		Lift-point radius										At max. reach		
		1.5m (4.9ft)		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		7.5m (24.6ft)		Capacity		Reach
														m (ft)
7.5m	kg											*3,180	*3,180	4.77
24.6ft	lb											*7,010	*7,010	(15.7)
6.0m	kg							*3,550	2,890			*2,750	*2,750	6.16
19.7ft	lb							*7,830	6,370			*6,060	*6,060	(20.2)
4.5m	kg					*4,730	4,430	*4,240	2,850			*2,630	2,230	6.96
14.8ft	lb					*10,430	9,770	*9,350	6,280			*5,800	4,920	(22.8)
3.0m	kg					*5,890	4,130	4,630	2,730			*2,660	1,990	7.36
9.8ft	lb					*12,990	9,110	10,210	6,020			*5,860	4,390	(24.2)
1.5m	kg					6,910	3,860	4,490	2,610			*2,830	1,910	7.44
4.9ft	lb					15,230	8,510	9,900	5,750			*6,240	4,210	(24.4)
0.0m	kg			*5,870	*5,870	6,720	3,700	4,400	2,520			*3,190	1,970	7.21
0.0ft	lb			*12,940	*12,940	14,820	8,160	9,700	5,560			*7,030	4,340	(23.6)
-1.5m	kg	*5,810	*5,810	*10,160	6,640	6,690	3,670	4,370	2,500			3,830	2,210	6.62
-4.9ft	lb	*12,810	*12,810	*22,400	14,640	14,750	8,090	9,630	5,510			8,440	4,870	(21.7)
-3.0m	kg	*10,280	*10,280	*8,790	6,790	*6,160	3,740					*4,540	2,840	5.57
-9.8ft	lb	*22,660	*22,660	*19,380	14,970	*13,580	8,250					*10,010	6,260	(18.3)

1. Lifting capacity are based on ISO 10567.
2. Lifting capacity does not exceed 75% of tipping load with the machine on firm level ground or 87% of full hydraulic capacity.
3. The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).
4. (*) indicates load limited by hydraulic capacity.



Rating over-front Rating over-side or 360 degree

HW160A MONO BOOM

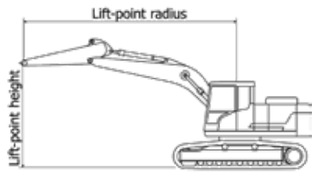
5.00 m (16' 5") Mono boom, 2.6 m (8' 6") arm equipped with STD counter weight, dozer up

Lift-point height m (ft)		Lift-point radius										At max. reach		
		1.5m (4.9ft)		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		7.5m (24.6ft)		Capacity		Reach
														m (ft)
7.5m	kg											*3,360	*3,360	4.96
24.6ft	lb											*7,410	*7,410	(16.3)
6.0m	kg							*3,960	2,670			*2,950	2,430	6.31
19.7ft	lb							*8,730	5,890			*6,500	5,360	(20.7)
4.5m	kg					*4,540	4,120	*4,110	2,620			*2,830	1,960	7.09
14.8ft	lb					*10,010	9,080	*9,060	5,780			*6,240	4,320	(23.3)
3.0m	kg					*5,700	3,810	4,330	2,490			*2,880	1,750	7.49
9.8ft	lb					*12,570	8,400	9,550	5,490			*6,350	3,860	(24.6)
1.5m	kg					6,450	3,520	4,180	2,360	3,000	1,690	2,960	1,670	7.56
4.9ft	lb					14,220	7,760	9,220	5,200	6,610	3,730	6,530	3,680	(24.8)
0.0m	kg			*5,970	*5,970	6,250	3,350	4,070	2,260			3,060	1,720	7.33
0.0ft	lb			*13,160	*13,160	13,780	7,390	8,970	4,980			6,750	3,790	(24.1)
-1.5m	kg	*5,590	*5,590	*9,940	6,010	6,200	3,310	4,040	2,240			3,430	1,920	6.76
-4.9ft	lb	*12,320	*12,320	*21,910	13,250	13,670	7,300	8,910	4,940			7,560	4,230	(22.2)
-3.0m	kg	*9,860	*9,860	*9,010	6,160	*6,270	3,370					4,400	2,450	5.74
-9.8ft	lb	*21,740	*21,740	*19,860	13,580	*13,820	7,430					9,700	5,400	(18.8)

5.00 m (16' 5") Mono boom, 2.6 m (8' 6") arm equipped with Heavy counter weight, dozer up

Lift-point height m (ft)		Lift-point radius										At max. reach		
		1.5m (4.9ft)		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		7.5m (24.6ft)		Capacity		Reach
														m (ft)
7.5m	kg											*3,360	*3,360	4.96
24.6ft	lb											*7,410	*7,410	(16.3)
6.0m	kg							*3,960	2,880			*2,950	2,640	6.31
19.7ft	lb							*8,730	6,350			*6,500	5,820	(20.7)
4.5m	kg					*4,540	4,430	*4,110	2,840			*2,830	2,140	7.09
14.8ft	lb					*10,010	9,770	*9,060	6,260			*6,240	4,720	(23.3)
3.0m	kg					*5,700	4,120	*4,580	2,710			*2,880	1,910	7.49
9.8ft	lb					*12,570	9,080	*10,100	5,970			*6,350	4,210	(24.6)
1.5m	kg					*6,830	3,830	4,470	2,580	3,220	1,860	*3,070	1,840	7.56
4.9ft	lb					*15,060	8,440	9,850	5,690	7,100	4,100	*6,770	4,060	(24.8)
0.0m	kg			*5,970	*5,970	6,680	3,660	4,360	2,480			3,280	1,890	7.33
0.0ft	lb			*13,160	*13,160	14,730	8,070	9,610	5,470			7,230	4,170	(24.1)
-1.5m	kg	*5,590	*5,590	*9,940	6,550	6,630	3,620	4,330	2,450			3,680	2,110	6.76
-4.9ft	lb	*12,320	*12,320	*21,910	14,440	14,620	7,980	9,550	5,400			8,110	4,650	(22.2)
-3.0m	kg	*9,860	*9,860	*9,010	6,700	*6,270	3,680					*4,490	2,680	5.74
-9.8ft	lb	*21,740	*21,740	*19,860	14,770	*13,820	8,110					*9,900	5,910	(18.8)

1. Lifting capacity are based on ISO 10567.
2. Lifting capacity does not exceed 75% of tipping load with the machine on firm level ground or 87% of full hydraulic capacity.
3. The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).
4. (*) indicates load limited by hydraulic capacity.



LIFTING CAPACITY

Rating over-front Rating over-side or 360 degree

HW160A MONO BOOM

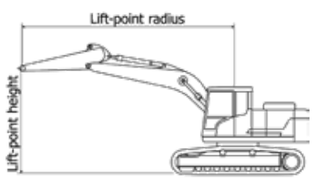
5.00 m (16' 5") Mono boom, 3.1 m (10' 2") arm equipped with STD counter weight, dozer up

Lift-point height m (ft)		Lift-point radius										At max. reach		
		1.5m (4.9ft)		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		7.5m (24.6ft)		Capacity		Reach
														m (ft)
7.5m	kg											*2,680	*2,680	5.62
24.6ft	lb											*5,910	*5,910	(18.4)
6.0m	kg							*3,540	2,760			*2,420	2,180	6.83
19.7ft	lb							*7,800	6,080			*5,340	4,810	(22.4)
4.5m	kg							*3,780	2,690	*2,570	1,830	*2,340	1,810	7.56
14.8ft	lb							*8,330	5,930	*5,670	4,030	*5,160	3,990	(24.8)
3.0m	kg			*7,570	7,200	*5,230	3,920	*4,300	2,550	3,100	1,780	*2,390	1,620	7.93
9.8ft	lb			*16,690	15,870	*11,530	8,640	*9,480	5,620	6,830	3,920	*5,270	3,570	(26.0)
1.5m	kg					*6,470	3,590	4,220	2,390	3,030	1,720	*2,540	1,550	8.00
4.9ft	lb					*14,260	7,910	9,300	5,270	6,680	3,790	*5,600	3,420	(26.3)
0.0m	kg			*6,640	5,960	6,270	3,360	4,090	2,270	2,970	1,660	2,820	1,580	7.78
0.0ft	lb			*14,640	13,140	13,820	7,410	9,020	5,000	6,550	3,660	6,220	3,480	(25.5)
-1.5m	kg	*5,170	*5,170	*9,310	5,920	6,170	3,280	4,020	2,220			3,100	1,730	7.25
-4.9ft	lb	*11,400	*11,400	*20,530	13,050	13,600	7,230	8,860	4,890			6,830	3,810	(23.8)
-3.0m	kg	*8,430	*8,430	*9,800	6,030	6,210	3,310	4,060	2,250			3,800	2,120	6.31
-9.8ft	lb	*18,580	*18,580	*21,610	13,290	13,690	7,300	8,950	4,960			8,380	4,670	(20.7)
-4.5m	kg			*7,000	6,300	*4,610	3,490					*4,240	3,280	4.72
-14.8ft	lb			*15,430	13,890	*10,160	7,690					*9,350	7,230	(15.5)

5.00 m (16' 5") Mono boom, 3.1 m (10' 2") arm equipped with Heavy counter weight, dozer up

Lift-point height m (ft)		Lift-point radius										At max. reach		
		1.5m (4.9ft)		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		7.5m (24.6ft)		Capacity		Reach
														m (ft)
7.5m	kg											*2,680	*2,680	5.62
24.6ft	lb											*5910	*5,910	(18.4)
6.0m	kg							*3,540	2,980			*2,420	2,370	6.83
19.7ft	lb							*7,800	6,570			*5,340	5,220	(22.4)
4.5m	kg							*3,780	2,910	*2,570	2,000	*2,340	1,970	7.56
14.8ft	lb							*8,330	6,420	*5,670	4,410	*5,160	4,340	(24.8)
3.0m	kg			*7,570	*7,570	*5,230	4,230	*4,300	2,770	3,320	1,950	*2,390	1,780	7.93
9.8ft	lb			*16,690	*16,690	*11,530	9,330	*9480	6,110	7,320	4,300	*5,270	3,920	(26.0)
1.5m	kg					*6,470	3,900	4,510	2,610	3,240	1,880	*2,540	1,700	8.00
4.9ft	lb					*14,260	8,600	9,940	5,750	7,140	4,140	*5,600	3,750	(26.3)
0.0m	kg			*6,640	6,500	6,700	3,670	4,370	2,490	3,180	1,830	*2,840	1,740	7.78
0.0ft	lb			*14,640	14,330	14,770	8,090	9,630	5,490	7,010	4,030	*6,260	3,840	(25.5)
-1.5m	kg	*5,170	*5,170	*9,310	6,460	6,600	3,590	4,310	2,440			3,330	1,910	7.25
-4.9ft	lb	*11,400	*11,400	*20,530	14,240	14,550	7,910	9,500	5,380			7,340	4,210	(23.8)
-3.0m	kg	*8,430	*8,430	*9,800	6,570	6,640	3,620	4,350	2,470			4,070	2,330	6.31
-9.8ft	lb	*18,580	*18,580	*21,610	14,480	14,640	7,980	9,590	5,450			8,970	5,140	(20.7)
-4.5m	kg			*7,000	6,840	*4,610	3,800					*4,240	3,580	4.72
-14.8ft	lb			*15,430	15,080	*10,160	8,380					*9,350	7,890	(15.5)

1. Lifting capacity are based on ISO 10567.
2. Lifting capacity does not exceed 75% of tipping load with the machine on firm level ground or 87% of full hydraulic capacity.
3. The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).
4. (*) indicates load limited by hydraulic capacity.



Rating over-front Rating over-side or 360 degree

HW160A 2-PIECE BOOM

5.1 m (16' 9") 2-Piece boom, 2.00 m (6' 7") arm equipped with Heavy counter weight, dozer up

Lift-point height m (ft)		Lift-point radius						At max. reach		
		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		Capacity		Reach
										m (ft)
7.5m	kg							*4,660	*4,660	4.30
24.6ft	lb							*10,270	*10,270	(14.1)
6.0m	kg			*4,250	*4,250			*4,310	2,980	5.81
19.7ft	lb			*9,370	*9,370			*9,500	6,570	(19.0)
4.5m	kg			*4,880	4,340	*4,290	2,800	4,010	2,360	6.65
14.8ft	lb			*10,760	9,570	*9,460	6,170	8,840	5,200	(21.8)
3.0m	kg			*6,000	4,030	4,610	2,680	3,590	2,090	7.07
9.8ft	lb			*13,230	8,880	10,160	5,910	7,910	4,610	(23.2)
1.5m	kg			6,840	3,760	4,470	2,560	3,470	2,000	7.15
4.9ft	lb			15,080	8,290	9,850	5,640	7,650	4,410	(23.5)
0.0m	kg			6,710	3,650	4,400	2,490	3,620	2,080	6.91
0.0ft	lb			14,790	8,050	9,700	5,490	7,980	4,590	(22.7)
-1.5m	kg	*9,910	6,660	6,710	3,650	4,410	2,500	4,140	2,370	6.29
-4.9ft	lb	*21,850	14,680	14,790	8,050	9,720	5,510	9,130	5,220	(20.6)

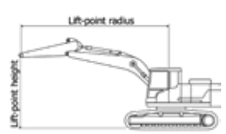
5.1 m (16' 9") 2-Piece boom, 2.45 m (8' 0") arm equipped with Heavy counter weight, dozer up

Lift-point height m (ft)		Lift-point radius								At max. reach		
		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		7.5m (24.6ft)		Capacity		Reach
												m (ft)
7.5m	kg			*3,940	*3,940					*3,260	*3,260	5.04
24.6ft	lb			*8,690	*8,690					*7,190	*7,190	(16.5)
6.0m	kg			*3,790	*3,790	*3,850	2,890			*2,790	2,590	6.37
19.7ft	lb			*8,360	*8,360	*8,490	6,370			*6,150	5,710	(20.9)
4.5m	kg			*4,450	4,420	*3,990	2,840			*2,620	2,110	7.14
14.8ft	lb			*9,810	9,740	*8,800	6,260			*5,780	4,650	(23.4)
3.0m	kg			*5,600	4,100	*4,460	2,710	*2,960	1,910	*2,600	1,890	7.54
9.8ft	lb			*12,350	9,040	*9,830	5,970	*6,530	4,210	*5,730	4,170	(24.7)
1.5m	kg			*6,720	3,800	4,490	2,570	3,240	1,870	*2,720	1,820	7.61
4.9ft	lb			*14,820	8,380	9,900	5,670	7,140	4,120	*6,000	4,010	(25.0)
0.0m	kg			6,710	3,640	4,390	2,480			*2,980	1,880	7.38
0.0ft	lb			14,790	8,020	9,680	5,470			*6,570	4,140	(24.2)
-1.5m	kg	*8,830	6,560	6,670	3,610	4,360	2,460			*3,520	2,100	6.81
-4.9ft	lb	*19,470	14,460	14,700	7,960	9,610	5,420			*7,760	4,630	(22.4)
-3.0m	kg			*6,400	3,700							
-9.8ft	lb			*14,110	8,160							

5.1 m (16' 9") 2-Piece boom, 2.6 m (8' 6") arm equipped with Heavy counter weight, dozer up

Lift-point height m (ft)		Lift-point radius								At max. reach		
		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		7.5m (24.6ft)		Capacity		Reach
												m (ft)
7.5m	kg			*3,710	*3,710					*3,450	*3,450	5.23
24.6ft	lb			*8,180	*8,180					*7,610	*7,610	(17.2)
6.0m	kg			*3,610	*3,610	*3,670	2,890			*2,990	2,470	6.52
19.7ft	lb			*7,960	*7,960	*8,090	6,370			*6,590	5,450	(21.4)
4.5m	kg			*4,270	*4,270	*3,850	2,830			*2,830	2,030	7.28
14.8ft	lb			*9,410	*9,410	*8,490	6,240			*6,240	4,480	(23.9)
3.0m	kg			*5,420	4,090	*4,340	2,690	3,270	1,890	*2,830	1,820	7.67
9.8ft	lb			*11,950	9,020	*9,570	5,930	7,210	4,170	*6,240	4,010	(25.2)
1.5m	kg			*6,570	3,780	4,460	2,540	3,210	1,840	*2,960	1,750	7.74
4.9ft	lb			*14,480	8,330	9,830	5,600	7,080	4,060	*6,530	3,860	(25.4)
0.0m	kg			6,660	3,600	4,350	2,440	3,180	1,800	3,170	1,800	7.52
0.0ft	lb			14,680	7,940	9,590	5,380	7,010	3,970	6,990	3,970	(24.7)
-1.5m	kg	*8,610	6,470	6,620	3,560	4,320	2,420			3,530	2,010	6.96
-4.9ft	lb	*18,980	14,260	14,590	7,850	9,520	5,340			7,780	4,430	(22.8)
-3.0m	kg			*6,480	3,630							
-9.8ft	lb			*14,290	8,000							

1. Lifting capacity are based on ISO 10567.
2. Lifting capacity does not exceed 75% of tipping load with the machine on firm level ground or 87% of full hydraulic capacity.
3. The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).
4. (*) indicates load limited by hydraulic capacity.



LIFTING CAPACITY

Rating over-front Rating over-side or 360 degree

HW160A MONO BOOM

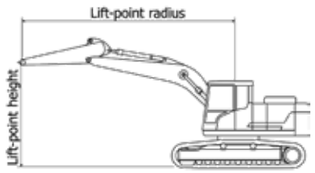
5.00 m (16' 5") Mono boom, 2.00 m (6' 7") arm equipped with STD counter weight, dozer down

Lift-point height m (ft)		Lift-point radius								At max. reach		
		1.5m (4.9ft)		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		Capacity		Reach
												m (ft)
6.0m	kg					*4,560	*4,560			*4,580	3,240	5.60
19.7ft	lb					*10,050	*10,050			*10,100	7,140	(18.4)
4.5m	kg					*5,180	4,470	4,430	2,860	3,920	2,530	6.47
14.8ft	lb					*11,420	9,850	9,770	6,310	8,640	5,580	(21.2)
3.0m	kg					*6,290	4,170	4,320	2,760	3,480	2,230	6.90
9.8ft	lb					*13,870	9,190	9,520	6,080	7,670	4,920	(22.6)
1.5m	kg					6,430	3,920	4,190	2,640	3,360	2,130	6.99
4.9ft	lb					14,180	8,640	9,240	5,820	7,410	4,700	(22.9)
0.0m	kg					6,290	3,800	4,120	2,580	3,510	2,210	6.73
0.0ft	lb					13,870	8,380	9,080	5,690	7,740	4,870	(22.1)
-1.5m	kg			*9,960	7,040	6,290	3,800	4,130	2,590	4,040	2,540	6.10
-4.9ft	lb			*21,960	15,520	13,870	8,380	9,110	5,710	8,910	5,600	(20.0)
-3.0m	kg			*7,850	7,220	*5,540	3,920			*4,790	3,470	4.94
-9.8ft	lb			*17,310	15,920	*12,210	8,640			*10,560	7,650	(16.2)

5.00 m (16' 5") Mono boom, 2.00 m (6' 7") arm equipped with Heavy counter weight, dozer down

Lift-point height m (ft)		Lift-point radius								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
6.0m	kg									*3,780	3,040	5.73
19.7ft	lb									*8,330	6,700	(18.8)
4.5m	kg					*4,410	*4,410	*3,880	2,750	3,730	2,310	6.58
14.8ft	lb					*9,720	*9,720	*8,550	6,060	8,220	5,090	(21.6)
3.0m	kg					*5,520	4,150	4,240	2,620	3,270	1,990	7.01
9.8ft	lb					*12,170	9,150	9,350	5,780	7,210	4,390	(23.0)
1.5m	kg					6,450	3,840	4,090	2,480	3,140	1,890	7.09
4.9ft	lb					14,220	8,470	9,020	5,470	6,920	4,170	(23.3)
0.0m	kg			*6,890	*6,890	6,270	3,670	3,990	2,390	3,270	1,950	6.84
0.0ft	lb			*15,190	*15,190	13,820	8,090	8,800	5,270	7,210	4,300	(22.4)
-1.5m	kg	*7,040	*7,040	*9,860	7,010	6,240	3,650	3,980	2,380	3,780	2,260	6.22
-4.9ft	lb	*15,520	*15,520	*21,740	15,450	13,760	8,050	8,770	5,250	8,330	4,980	(20.4)
-3.0m	kg			*8,000	7,210	*5,520	3,760			*4,680	3,150	5.08
-9.8ft	lb			*17,640	15,900	*12,170	8,290			*10,320	6,940	(16.7)

1. Lifting capacity are based on ISO 10567.
2. Lifting capacity does not exceed 75% of tipping load with the machine on firm level ground or 87% of full hydraulic capacity.
3. The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).
4. (*) indicates load limited by hydraulic capacity.



Rating over-front Rating over-side or 360 degree

HW160A MONO BOOM

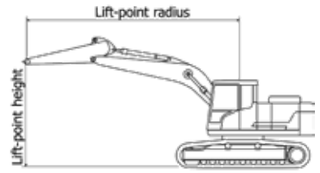
5.00 m (16' 5") Mono boom, 2.45 m (8' 0") arm equipped with STD counter weight, dozer down

Lift-point height m (ft)		Lift-point radius										At max. reach		
		1.5m (4.9ft)		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		7.5m (24.6ft)		Capacity		Reach
														m (ft)
7.5m	kg											*3,180	*3,180	4.77
24.6ft	lb											*7,010	*7,010	(15.7)
6.0m	kg							*3,550	2,940			*2,750	*2,750	6.16
19.7ft	lb							*7,830	6,480			*6,060	*6,060	(20.2)
4.5m	kg					*4,730	4,540	*4,240	2,900			*2,630	2,260	6.96
14.8ft	lb					*10,430	10,010	*9,350	6,390			*5,800	4,980	(22.8)
3.0m	kg					*5,890	4,240	4,350	2,780			*2,660	2,020	7.36
9.8ft	lb					*12,990	9,350	9,590	6,130			*5,860	4,450	(24.2)
1.5m	kg					6,470	3,960	4,200	2,650			*2,830	1,940	7.44
4.9ft	lb					14,260	8,730	9,260	5,840			*6,240	4,280	(24.4)
0.0m	kg			*5,870	*5,870	6,290	3,800	4,110	2,570			3,170	2,000	7.21
0.0ft	lb			*12,940	*12,940	13,870	8,380	9,060	5,670			6,990	4,410	(23.6)
-1.5m	kg	*5,810	*5,810	*10,160	6,950	6,250	3,770	4,090	2,550			3,570	2,250	6.62
-4.9ft	lb	*12,810	*12,810	*22,400	15,320	13,780	8,310	9,020	5,620			7,870	4,960	(21.7)
-3.0m	kg	*10,280	*10,280	*8,790	7,110	*6,160	3,840					*4,540	2,900	5.57
-9.8ft	lb	*22,660	*22,660	*19,380	15,670	*13,580	8,470					*10,010	6,390	(18.3)

5.00 m (16' 5") Mono boom, 2.45 m (8' 0") arm equipped with Heavy counter weight, dozer down

Lift-point height m (ft)		Lift-point radius										At max. reach		
		1.5m (4.9ft)		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		7.5m (24.6ft)		Capacity		Reach
														m (ft)
7.5m	kg											*3,180	*3,180	4.77
24.6ft	lb											*7,010	*7,010	(15.7)
6.0m	kg							*3,550	3,170			*2,750	*2,750	6.16
19.7ft	lb							*7,830	6,990			*6,060	*6,060	(20.2)
4.5m	kg					*4,730	*4,730	*4,240	3,130			*2,630	2,450	6.96
14.8ft	lb					*10,430	*10,430	*9,350	6,900			*5,800	5,400	(22.8)
3.0m	kg					*5,890	4,570	4,630	3,010			*2,660	2,200	7.36
9.8ft	lb					*12,990	10,080	10,210	6,640			*5,860	4,850	(24.2)
1.5m	kg					6,910	4,290	4,490	2,880			*2,830	2,120	7.44
4.9ft	lb					15,230	9,460	9,900	6,350			*6,240	4,670	(24.4)
0.0m	kg			*5,870	*5,870	6,720	4,130	4,400	2,790			*3,190	2,180	7.21
0.0ft	lb			*12,940	*12,940	14,820	9,110	9,700	6,150			*7,030	4,810	(23.6)
-1.5m	kg	*5,810	*5,810	*10,160	7,530	6,690	4,090	4,370	2,770			3,830	2,450	6.62
-4.9ft	lb	*12,810	*12,810	*22,400	16,600	14,750	9,020	9,630	6,110			8,440	5,400	(21.7)
-3.0m	kg	*10,280	*10,280	*8,790	7,690	*6,160	4,170					*4,540	3,150	5.57
-9.8ft	lb	*22,660	*22,660	*19,380	16,950	*13,580	9,190					*10,010	6,940	(18.3)

1. Lifting capacity are based on ISO 10567.
2. Lifting capacity does not exceed 75% of tipping load with the machine on firm level ground or 87% of full hydraulic capacity.
3. The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).
4. (*) indicates load limited by hydraulic capacity.



LIFTING CAPACITY

Rating over-front Rating over-side or 360 degree

HW160A MONO BOOM

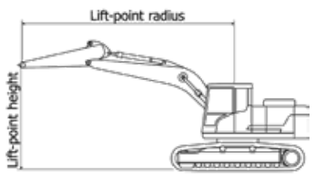
5.00 m (16' 5") Mono boom, 2.6 m (8' 6") arm equipped with STD counter weight, dozer down

Lift-point height m (ft)		Lift-point radius										At max. reach		
		1.5m (4.9ft)		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		7.5m (24.6ft)		Capacity		Reach
														m (ft)
7.5m	kg											*3,360	*3,360	4.96
24.6ft	lb											*7,410	*7,410	(16.3)
6.0m	kg							*3,960	2,940			*2,950	2,680	6.31
19.7ft	lb							*8,730	6,480			*6,500	5,910	(20.7)
4.5m	kg					*4,540	4,540	*4,110	2,890			*2,830	2,180	7.09
14.8ft	lb					*10,010	10,010	*9,060	6,370			*6,240	4,810	(23.3)
3.0m	kg					*5,700	4,230	4,330	2,760			*2,880	1,940	7.49
9.8ft	lb					*12,570	9,330	9,550	6,080			*6,350	4,280	(24.6)
1.5m	kg					6,450	3,930	4,180	2,630	3,000	1,890	2,960	1,860	7.56
4.9ft	lb					14,220	8,660	9,220	5,800	6,610	4,170	6,530	4,100	(24.8)
0.0m	kg			*5,970	*5,970	6,250	3,760	4,070	2,530			3,060	1,920	7.33
0.0ft	lb			*13,160	*13,160	13,780	8,290	8,970	5,580			6,750	4,230	(24.1)
-1.5m	kg	*5,590	*5,590	*9,940	6,860	6,200	3,710	4,040	2,500			3,430	2,140	6.76
-4.9ft	lb	*12,320	*12,320	*21,910	15,120	13,670	8,180	8,910	5,510			7,560	4,720	(22.2)
-3.0m	kg	*9,860	*9,860	*9,010	7,010	*6,270	3,780					4,400	2,730	5.74
-9.8ft	lb	*21,740	*21,740	*19,860	15,450	*13,820	8,330					9,700	6,020	(18.8)

5.00 m (16' 5") Mono boom, 2.6 m (8' 6") arm equipped with Heavy counter weight, dozer down

Lift-point height m (ft)		Lift-point radius										At max. reach		
		1.5m (4.9ft)		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		7.5m (24.6ft)		Capacity		Reach
														m (ft)
7.5m	kg											*3,360	*3,360	4.96
24.6ft	lb											*7,410	*7,410	(16.3)
6.0m	kg							*3,960	3,170			*2,950	2,900	6.31
19.7ft	lb							*8,730	6,990			*6,500	6,390	(20.7)
4.5m	kg					*4,540	*4,540	*4,110	3,120			*2,830	2,360	7.09
14.8ft	lb					*10,010	*10,010	*9,060	6,880			*6,240	5,200	(23.3)
3.0m	kg					*5,700	4,560	*4,580	2,990			*2,880	2,120	7.49
9.8ft	lb					*12,570	10,050	*10,100	6,590			*6,350	4,670	(24.6)
1.5m	kg					*6,830	4,260	4,470	2,850	3,220	2,060	*3,070	2,040	7.56
4.9ft	lb					*15,060	9,390	9,850	6,280	7,100	4,540	*6,770	4,500	(24.8)
0.0m	kg			*5,970	*5,970	6,680	4,090	4,360	2,760			3,280	2,100	7.33
0.0ft	lb			*13,160	*13,160	14,730	9,020	9,610	6,080			7,230	4,630	(24.1)
-1.5m	kg	*5,590	*5,590	*9,940	7,440	6,630	4,040	4,330	2,730			3,680	2,340	6.76
-4.9ft	lb	*12,320	*12,320	*21,910	16,400	14,620	8,910	9,550	6,020			8,110	5,160	(22.2)
-3.0m	kg	*9,860	*9,860	*9,010	7,590	*6,270	4,110					*4,490	2,980	5.74
-9.8ft	lb	*21,740	*21,740	*19,860	16,730	*13,820	9,060					*9,900	6,570	(18.8)

1. Lifting capacity are based on ISO 10567.
2. Lifting capacity does not exceed 75% of tipping load with the machine on firm level ground or 87% of full hydraulic capacity.
3. The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).
4. (*) indicates load limited by hydraulic capacity.



Rating over-front Rating over-side or 360 degree

HW160A MONO BOOM

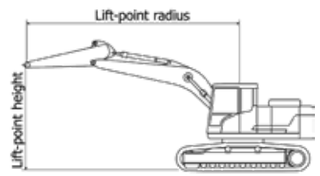
5.00 m (16' 5") Mono boom, 3.1 m (10' 2") arm equipped with STD counter weight, dozer down

Lift-point height m (ft)		Lift-point radius										At max. reach		
		1.5m (4.9ft)		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		7.5m (24.6ft)		Capacity		Reach
														m (ft)
7.5m	kg											*2,680	*2,680	5.62
24.6ft	lb											*5,910	*5,910	(18.4)
6.0m	kg							*3,540	3,030			*2,420	2,410	6.83
19.7ft	lb							*7,800	6,680			*5,340	5,310	(22.4)
4.5m	kg							*3,780	2,960	*2,570	2,030	*2,340	2,000	7.56
14.8ft	lb							*8,330	6,530	*5,670	4,480	*5,160	4,410	(24.8)
3.0m	kg			*7,570	*7,570	*5,230	4,340	*4,300	2,820	3,100	1,980	*2,390	1,800	7.93
9.8ft	lb			*16,690	*16,690	*11,530	9,570	*9,480	6,220	6,830	4,370	*5,270	3,970	(26.0)
1.5m	kg					*6,470	4,000	4,220	2,660	3,030	1,910	*2,540	1,730	8.00
4.9ft	lb					*14,260	8,820	9,300	5,860	6,680	4,210	*5,600	3,810	(26.3)
0.0m	kg			*6,640	*6,640	6,270	3,770	4,090	2,540	2,970	1,860	2,820	1,760	7.78
0.0ft	lb			*14,640	*14,640	13,820	8,310	9,020	5,600	6,550	4,100	6,220	3,880	(25.5)
-1.5m	kg	*5,170	*5,170	*9,310	6,770	6,170	3,690	4,020	2,480			3,100	1,940	7.25
-4.9ft	lb	*11,400	*11,400	*20,530	14,930	13,600	8,140	8,860	5,470			6,830	4,280	(23.8)
-3.0m	kg	*8,430	*8,430	*9,800	6,880	6,210	3,720	4,060	2,520			3,800	2,370	6.31
-9.8ft	lb	*18,580	*18,580	*21,610	15,170	13,690	8,200	8,950	5,560			8,380	5,220	(20.7)
-4.5m	kg			*7,000	*7,000	*4,610	3,900					*4,240	3,670	4.72
-14.8ft	lb			*15,430	*15,430	*10,160	8,600					*9,350	8,090	(15.5)

5.00 m (16' 5") Mono boom, 3.1 m (10' 2") arm equipped with Heavy counter weight, dozer down

Lift-point height m (ft)		Lift-point radius										At max. reach		
		1.5m (4.9ft)		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		7.5m (24.6ft)		Capacity		Reach
														m (ft)
7.5m	kg											*2,680	*2,680	5.62
24.6ft	lb											*5,910	*5,910	(18.4)
6.0m	kg							*3,540	3,260			*2,420	*2,420	6.83
19.7ft	lb							*7,800	7,190			*5,340	*5,340	(22.4)
4.5m	kg							*3,780	3,190	*2,570	2,200	*2,340	2,170	7.56
14.8ft	lb							*8,330	7,030	*5,670	4,850	*5,160	4,780	(24.8)
3.0m	kg			*7,570	*7,570	*5,230	4,670	*4,300	3,050	3,320	2,160	*2,390	1,960	7.93
9.8ft	lb			*16,690	*16,690	*11,530	10,300	*9,480	6,720	7,320	4,760	*5,270	4,320	(26.0)
1.5m	kg					*6,470	4,330	4,510	2,890	3,240	2,090	*2,540	1,890	8.00
4.9ft	lb					*14,260	9,550	9,940	6,370	7,140	4,610	*5,600	4,170	(26.3)
0.0m	kg			*6,640	*6,640	6,700	4,100	4,370	2,770	3,180	2,030	*2,840	1,930	7.78
0.0ft	lb			*14,640	*14,640	14,770	9,040	9,630	6,110	7,010	4,480	*6,260	4,250	(25.5)
-1.5m	kg	*5,170	*5,170	*9,310	7,350	6,600	4,010	4,310	2,710			3,330	2,120	7.25
-4.9ft	lb	*11,400	*11,400	*20,530	16,200	14,550	8,840	9,500	5,970			7,340	4,670	(23.8)
-3.0m	kg	*8,430	*8,430	*9,800	7,460	6,640	4,050	4,350	2,750			4,070	2,590	6.31
-9.8ft	lb	*18,580	*18,580	*21,610	16,450	14,640	8,930	9,590	6,060			8,970	5,710	(20.7)
-4.5m	kg			*7,000	*7,000	*4,610	4,230					*4,240	3,980	4.72
-14.8ft	lb			*15,430	*15,430	*10,160	9,330					*9,350	8,770	(15.5)

1. Lifting capacity are based on ISO 10567.
2. Lifting capacity does not exceed 75% of tipping load with the machine on firm level ground or 87% of full hydraulic capacity.
3. The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).
4. (*) indicates load limited by hydraulic capacity.



LIFTING CAPACITY

Rating over-front Rating over-side or 360 degree

HW160A 2-PIECE BOOM

5.1 m (16' 9") 2-Piece boom, 2.00 m (6' 7") arm equipped with Heavy counter weight, dozer down

Lift-point height m (ft)		Lift-point radius						At max. reach		
		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		Capacity		Reach
										m (ft)
7.5m	kg							*4,660	*4,660	4.30
24.6ft	lb							*10,270	*10,270	(14.1)
6.0m	kg			*4,250	*4,250			*4,310	3,280	5.81
19.7ft	lb			*9,370	*9,370			*9,500	7,230	(19.0)
4.5m	kg			*4,880	4,790	*4,290	3,080	4,010	2,600	6.65
14.8ft	lb			*10,760	10,560	*9,460	6,790	8,840	5,730	(21.8)
3.0m	kg			*6,000	4,470	4,610	2,970	3,590	2,310	7.07
9.8ft	lb			*13,230	9,850	10,160	6,550	7,910	5,090	(23.2)
1.5m	kg			6,840	4,200	4,470	2,840	3,470	2,220	7.15
4.9ft	lb			15,080	9,260	9,850	6,260	7,650	4,890	(23.5)
0.0m	kg			6,710	4,080	4,400	2,770	3,620	2,310	6.91
0.0ft	lb			14,790	8,990	9,700	6,110	7,980	5,090	(22.7)
-1.5m	kg	*9,910	7,560	6,710	4,080	4,410	2,780	4,140	2,630	6.29
-4.9ft	lb	*21,850	16,670	14,790	8,990	9,720	6,130	9,130	5,800	(20.6)

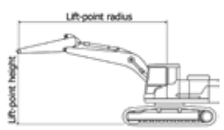
5.1 m (16' 9") 2-Piece boom, 2.45 m (8' 0") arm equipped with Heavy counter weight, dozer down

Lift-point height m (ft)		Lift-point radius								At max. reach		
		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		7.5m (24.6ft)		Capacity		Reach
												m (ft)
7.5m	kg			*3,940	*3,940					*3260	*3,260	5.04
24.6ft	lb			*8,690	*8,690					*7,190	*7,190	(16.5)
6.0m	kg			*3,790	*3,790	*3,850	3,180			*2,790	*2,790	6.37
19.7ft	lb			*8,360	*8,360	*8,490	7,010			*6,150	*6,150	(20.9)
4.5m	kg			*4,450	*4,450	*3,990	3,130			*2,620	2,330	7.14
14.8ft	lb			*9,810	*9,810	*8,800	6,900			*5,780	5,140	(23.4)
3.0m	kg			*5,600	4,540	*4,460	2,990	*2,960	2,120	*2,600	2,100	7.54
9.8ft	lb			*12,350	10,010	*9,830	6,590	*6,530	4,670	*5,730	4,630	(24.7)
1.5m	kg			*6,720	4,240	4,490	2,850	3,240	2,070	*2,720	2,030	7.61
4.9ft	lb			*14,820	9,350	9,900	6,280	7,140	4,560	*6,000	4,480	(25.0)
0.0m	kg			6,710	4,080	4,390	2,760			*2,980	2,090	7.38
0.0ft	lb			14,790	8,990	9,680	6,080			*6,570	4,610	(24.2)
-1.5m	kg	*8,830	7,460	6,670	4,050	4,360	2,740			*3,520	2,340	6.81
-4.9ft	lb	*19,470	16,450	14,700	8,930	9,610	6,040			*7,760	5,160	(22.4)
-3.0m	kg			*6,400	4,130							
-9.8ft	lb			*14,110	9,110							

5.1 m (16' 9") 2-Piece boom, 2.6 m (8' 6") arm equipped with Heavy counter weight, dozer down

Lift-point height m (ft)		Lift-point radius								At max. reach		
		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		7.5m (24.6ft)		Capacity		Reach
												m (ft)
7.5m	kg			*3,710	*3,710					*3,450	*3,450	5.23
24.6ft	lb			*8,180	*8,180					*7,610	*7,610	(17.2)
6.0m	kg			*3,610	*3,610	*3,670	3,180			*2,990	2,730	6.52
19.7ft	lb			*7,960	*7960	*8,090	7,010			*6,590	6,020	(21.4)
4.5m	kg			*4,270	*4,270	*3,850	3,110			*2,830	2,240	7.28
14.8ft	lb			*9,410	*9,410	*8,490	6,860			*6,240	4,940	(23.9)
3.0m	kg			*5,420	4,540	*4,340	2,970	3,270	2,100	*2,830	2,020	7.67
9.8ft	lb			*11,950	10,010	*9,570	6,550	7,210	4,630	*6,240	4,450	(25.2)
1.5m	kg			*6,570	4,210	4,460	2,830	3,210	2,040	*2,960	1,950	7.74
4.9ft	lb			*14,480	9,280	9,830	6,240	7,080	4,500	*6,530	4,300	(25.4)
0.0m	kg			6,660	4,030	4,350	2,720	3,180	2,010	3,170	2,000	7.52
0.0ft	lb			14,680	8,880	9,590	6,000	7,010	4,430	6,990	4,410	(24.7)
-1.5m	kg	*8,610	7,370	6,620	3,990	4,320	2,690			3,530	2,230	6.96
-4.9ft	lb	*18,980	16,250	14,590	8,800	9,520	5,930			7,780	4,920	(22.8)
-3.0m	kg			*6,480	4,070							
-9.8ft	lb			*14,290	8,970							

1. Lifting capacity are based on ISO 10567.
2. Lifting capacity does not exceed 75% of tipping load with the machine on firm level ground or 87% of full hydraulic capacity.
3. The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).
4. (*) indicates load limited by hydraulic capacity.



Rating over-front Rating over-side or 360 degree

HW160A 2-PIECE BOOM

5.1 m (16' 9") 2-Piece boom, 2.00 m (6' 7") arm equipped with Heavy counter weight, dozer down, upper body towards dozer, max. hydraulic capacity(power boost)

Lift-point height m (ft)		Lift-point radius						At max. reach		
		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		Capacity		Reach
										m (ft)
7.5m	kg							*5,120	*5,120	4.30
24.6ft	lb							*11,290	*11,290	(14.1)
6.0m	kg			*4,670	*4,670			*4,750	3,280	5.81
19.7ft	lb			*10,300	*10,300			*10,470	7,230	(19.0)
4.5m	kg			*5,380	4,790	*4,740	3,080	*4,710	2,600	6.65
14.8ft	lb			*11,860	10,560	*10,450	6,790	*10,380	5,730	(21.8)
3.0m	kg			*6,620	4,470	*5,200	2,970	*4,790	2,310	7.07
9.8ft	lb			*14,590	9,850	*11,460	6,550	*10,560	5,090	(23.2)
1.5m	kg			*7,720	4,200	*5,710	2,840	*4,930	2,220	7.15
4.9ft	lb			*17,020	9,260	*12,590	6,260	*10,870	4,890	(23.5)
0.0m	kg			*8,160	4,080	*5,980	2,770	*5,110	2,310	6.91
0.0ft	lb			*17,990	8,990	*13,180	6,110	*11,270	5,090	(22.7)
-1.5m	kg	*10,780	7,560	*7,870	4,080	*5,700	2,780	*5,280	2,630	6.29
-4.9ft	lb	*23,770	16,670	*17,350	8,990	*12,570	6,130	*11,640	5,800	(20.6)

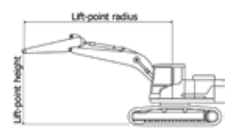
5.1 m (16' 9") 2-Piece boom, 2.45 m (8' 0") arm equipped with Heavy counter weight, dozer down, upper body towards dozer, max. hydraulic capacity(power boost)

Lift-point height m (ft)		Lift-point radius								At max. reach		
		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		7.5m (24.6ft)		Capacity		Reach
												m (ft)
7.5m	kg			*4,340	*4,340					*3,560	*3,560	5.04
24.6ft	lb			*9,570	*9,570					*7,850	*7,850	(16.5)
6.0m	kg			*4,170	*4,170	*4,250	3,180			*3,050	2,850	6.37
19.7ft	lb			*9,190	*9,190	*9,370	7,010			*6,720	6,280	(20.9)
4.5m	kg			*4,910	4,870	*4,400	3,130			*2,870	2,330	7.14
14.8ft	lb			*10,820	10,740	*9,700	6,900			*6,330	5,140	(23.4)
3.0m	kg			*6,180	4,540	*4,930	2,990	*3,240	2,120	*2,850	2,100	7.54
9.8ft	lb			*13,620	10,010	*10,870	6,590	*7,140	4,670	*6,280	4,630	(24.7)
1.5m	kg			*7,410	4,240	*5,510	2,850	*4,160	2,070	*2,980	2,030	7.61
4.9ft	lb			*16,340	9,350	*12,150	6,280	*9,170	4,560	*6,570	4,480	(25.0)
0.0m	kg			*8,070	4,080	*5,900	2,760			*3,270	2,090	7.38
0.0ft	lb			*17,790	8,990	*13,010	6,080			*7,210	4,610	(24.2)
-1.5m	kg	*9,610	7,460	*8,020	4,050	*5,860	2,740			*3,850	2,340	6.81
-4.9ft	lb	*21,190	16,450	*17,680	8,930	*12,920	6,040			*8,490	5,160	(22.4)
-3.0m	kg			*7,080	4,130							
-9.8ft	lb			*15,610	9,110							

5.1 m (16' 9") 2-Piece boom, 2.60 m (8' 6") arm equipped with Heavy counter weight, dozer down, upper body towards dozer, max. hydraulic capacity(power boost)

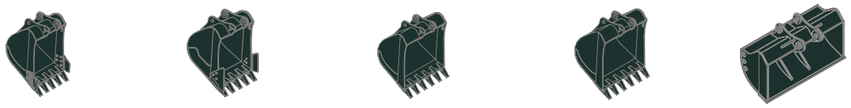
Lift-point height m (ft)		Lift-point radius								At max. reach		
		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		7.5m (24.6ft)		Capacity		Reach
												m (ft)
7.5m	kg			*4,080	*4,080					*3,770	*3,770	5.23
24.6ft	lb			*8,990	*8,990					*8,310	*8,310	(17.2)
6.0m	kg			*3,980	*3,980	*4,060	3,180			*3,270	2,730	6.52
19.7ft	lb			*8,770	*8,770	*8,950	7,010			*7,210	6,020	(21.4)
4.5m	kg			*4,710	*4,710	*4,260	3,110			*3,100	2,240	7.28
14.8ft	lb			*10,380	*10,380	*9,390	6,860			*6,830	4,940	(23.9)
3.0m	kg			*5,980	4,540	*4,800	2,970	*4,290	2,100	*3,100	2,020	7.67
9.8ft	lb			*13,180	10,010	*10,580	6,550	*9,460	4,630	*6,830	4,450	(25.2)
1.5m	kg			*7,250	4,210	*5,400	2,830	*4,530	2,040	*3,240	1,950	7.74
4.9ft	lb			*15,980	9,280	*11,900	6,240	*9,990	4,500	*7,140	4,300	(25.4)
0.0m	kg			*7,970	4,030	*5,830	2,720	*3,760	2,010	*3,560	2,000	7.52
0.0ft	lb			*17,570	8,880	*12,850	6,000	*8,290	4,430	*7,850	4,410	(24.7)
-1.5m	kg	*9,370	7,370	*8,000	3,990	*5,840	2,690			*4,190	2,230	6.96
-4.9ft	lb	*20,660	16,250	*17,640	8,800	*12,870	5,930			*9,240	4,920	(22.8)
-3.0m	kg			*7,170	4,070							
-9.8ft	lb			*15,810	8,970							

1. Lifting capacity are based on ISO 10567.
2. Lifting capacity does not exceed 75% of tipping load with the machine on firm level ground or 87% of full hydraulic capacity.
3. The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).
4. (*) indicates load limited by hydraulic capacity.



BUCKET SELECTION GUIDE & DIGGING FORCE

BUCKETS



SAE heaped m³ (yd³)	0.70 (0.92) 0.76 (0.99)	◈ 0.73 (0.95) ◈ 0.85 (1.11)	0.89 (1.16) 1.05 (1.37)	▣ 0.69 (0.90)	◎ 0.75 (0.90)

Capacity m³ (yd³)		Width mm (in)		Weight kg (lb)	Tooth EA	Recommendation mm (ft.in)			
						STD CWT			
						5,000 (16' 5") Mono Boom			
SAE heaped	CECE heaped	Without Sidecutter	Without Sidecutter			2,000 (6' 7") Arm	2,450 (8' 0") Arm	2,600 (8' 6") Arm	2,000 (10' 2") Arm
0.70 (0.92)	0.60 (0.78)	1,020 (40.2")	1,100 (43.3")	600 (1,320)	5	◐	■	■	▲
0.76 (0.99)	0.65 (0.85)	1,090 (42.9")	1,170 (46.1")	620 (1,370)	5	■	■	▲	▲
0.89 (1.16)	0.77 (1.01)	1,250 (49.2")	1,325 (52.2")	680 (1,500)	6	▲	▲	-	-
1.05 (1.37)	0.90 (1.18)	1,430 (56.3")	1,510 (59.4")	740 (1,630)	6	-	-	-	-
▣ 0.69 (0.90)	0.62 (0.81)	1,050 (41.3")	-	720 (1,590)	5	◐	■	▲	▲
◎ 0.75 (0.98)	0.65 (0.85)	1,760 (69.3")	-	540 (1,190)	0	◐	■	■	▲
◈ 0.73 (0.95)	0.67 (0.88)	914 (36.0")	946 (37.2")	620 (1,370)	5	◐	■	▲	▲
◈ 0.85 (1.11)	0.76 (0.99)	1,067 (42.0")	1,096 (43.1")	670 (1,480)	5	■	▲	▲	-

Capacity m³ (yd³)		Width mm (in)		Weight kg (lb)	Tooth EA	Recommendation mm (ft.in)						
						Heavy CWT				Heavy CWT		
						5,000 (16' 5") Mono Boom				5,100 (16' 9") 2-Piece Boom		
SAE heaped	CECE heaped	Without Sidecutter	Without Sidecutter			2,000 (6' 7") Arm	2,450 (8' 0") Arm	2,600 (8' 6") Arm	2,000 (10' 2") Arm	2,000 (6' 7") Arm	2,450 (8' 0") Arm	2,600 (8' 6") Arm
0.70 (0.92)	0.60 (0.78)	1,020 (40.2")	1,100 (43.3")	600 (1,320)	5	●	◐	■	■	◐	■	■
0.76 (0.99)	0.65 (0.85)	1,090 (42.9")	1,170 (46.1")	620 (1,370)	5	◐	■	■	▲	◐	■	■
0.89 (1.16)	0.77 (1.01)	1,250 (49.2")	1,325 (52.2")	680 (1,500)	6	■	▲	▲	▲	■	▲	▲
1.05 (1.37)	0.90 (1.18)	1,430 (56.3")	1,510 (59.4")	740 (1,630)	6	▲	-	-	-	▲	-	-
▣ 0.69 (0.90)	0.62 (0.81)	1,050 (41.3")	-	720 (1,590)	5	◐	■	■	■	◐	■	■
◎ 0.75 (0.98)	0.65 (0.85)	1,760 (69.3")	-	540 (1,190)	0	◐	◐	■	■	◐	■	■
◈ 0.73 (0.95)	0.67 (0.88)	914 (36.0")	946 (37.2")	620 (1,370)	5	◐	■	■	■	◐	■	■
◈ 0.85 (1.11)	0.76 (0.99)	1,067 (42.0")	1,096 (43.1")	670 (1,480)	5	■	▲	▲	▲	■	▲	▲

▣ Ditching bucket
◎ Slope finishing bucket
◈ Hammerless tooth bucket

● : Applicable for materials with density of 2,100 kgf/m³ (3,500 lbf/yd³) or less
◐ : Applicable for materials with density of 1,800 kgf/m³ (3,000 lbf/yd³) or less
■ : Applicable for materials with density of 1,500 kgf/m³ (2,500 lbf/yd³) or less
▲ : Applicable for materials with density of 1,200 kgf/m³ (2,000 lbf/yd³) or less
- : Not Recommended

ATTACHMENT

Booms and arms are welded with a low-stress, full-box section design.
2.0 m (6' 7"), 2.45 m (8' 0"), 2.6 m (8' 6"), 3.1 m (10' 2") arms are available.

DIGGING FORCE

Boom			5,000 (16' 9") Mono				5,100 (16' 9") 2-Piece		
Arm			2,000 (6' 7")	2,450 (8' 0")	2,600 (8' 6")	3,100 (10' 2")	2,000 (6' 7")	2,450 (8' 0")	2,600 (8' 6")
Bucket digging force	SAE	kN	98 [107]	98 [107]	98 [107]	98 [107]	98 [107]	98 [107]	98 [107]
		kgf	10,008 [10,920]	9,992 [10,900]	10,026 [10,940]	10,029 [10,940]	10,008 [10,920]	9,992 [10,900]	10,026 [10,940]
		lbf	22,060 [24,070]	22,030 [24,030]	22,110 [24,120]	22,110 [24,120]	22,060 [24,070]	22,030 [24,030]	22,100 [24,120]
	ISO	kN	115 [125]	115 [125]	115 [126]	115 [126]	115 [125]	115 [125]	115 [126]
		kgf	11,726 [12,790]	11,706 [12,770]	11,746 [12,810]	11,750 [12,820]	11,726 [12,790]	11,706 [12,770]	11,746 [12,810]
		lbf	25,850 [28,200]	25,810 [28,150]	25,900 [28,240]	25,900 [28,260]	25,850 [28,200]	25,810 [28,150]	25,900 [28,240]
Arm crowd force	SAE	kN	92 [101]	73 [80]	73 [79]	65 [70]	92 [101]	73 [80]	73 [79]
		kgf	9,417 [10,270]	7,468 [8,150]	7,401 [8,070]	6,572 [7,170]	9,417 [10,270]	7,468 [8,150]	7,401 [8,070]
		lbf	20,760 [22,640]	16,460 [17,970]	16,320 [17,790]	14,490 [15,810]	20,760 [22,640]	16,460 [17,970]	16,320 [17,790]
	ISO	kN	97 [106]	77 [84]	76 [82]	67 [73]	97 [106]	77 [84]	76 [83]
		kgf	9,928 [10,830]	7,816 [8,530]	7,737 [8,440]	6,833 [7,450]	9,928 [10,830]	7,816 [8,530]	7,737 [8,440]
		lbf	21,890 [23,880]	17,230 [18,810]	17,060 [18,610]	15,060 [16,420]	21,890 [23,880]	17,230 [18,810]	17,060 [18,610]

Note : Arm weight includes bucket cylinder, linkage, and pin

STANDARD / OPTION

ENGINE	STD	OPT
Cummins B 4.5 engine	●	
HYDRAULIC SYSTEM		
Advanced Load Sensing (LUDV)		
Power mode(P, S, E), Work mode(P, W, T),User mode	●	
Pressure Boost Function	●	
Attachment Flow Control	●	
3 attachment control modes (Push / Detent / Prop.)	●	
Engine Auto Idle	●	
Engine Auto Shutdown Control	●	
Electronic Fan Control	●	
20 km/h speed limit		●
35 km/h speed limit	●	
Hyundai Bio Hydraulic Oil (HBHO)		●
CAB & INTERIOR		
ISO Standard cabin		
Parallel type windshield wiper	●	
Radio / USB player	●	
Handsfree mobile phone system with USB	●	
12 volt power outlet (24V DC to 12V DC converter)	●	
Electric horn	●	
All-weather steel cab with 360° visibility	●	
Safety glass - Tempered glass with front laminated glass	●	
Safety glass windows	●	
Sliding fold-in front window	●	
Sliding side window(LH)	●	
Lockable door	●	
Hot & cool box	●	
Storage compartment	●	
Transparent cabin roof-cover	●	
Sun visor	●	
Door and cab locks, one key	●	
Pilot-operated slidable joystick	●	
Console box height adjust system	●	
Ashtray		●
Automatic climate control		
Air conditioner & heater	●	
Defroster	●	
Starting Aid (air grid heater) for cold weather	●	
Centralized monitoring		
8" LCD display	●	
Engine speed or Trip meter/Accel.		●
Engine coolant temperature gauge	●	
Max power	●	
Creep speed/Low speed/High speed	●	
Auto idle	●	
Overload warning with alarm	●	
Check Engine	●	
Air pre-cleaner		●
Air cleaner clogging	●	
ECO Gauges	●	
Fuel level gauge	●	
Hyd. oil temperature gauge	●	
Warnings	●	
Communication error indication	●	
Low battery	●	
Clock	●	
Cabin lights - Halogen		●
Cabin lights - LED		●
Cabin front window rain guard		●
Seat		
Mechanical Suspension with Heater	●	
Adjustable Air Suspension with Heater		●
Operator Protective Structures		
General -	●	
Wire Net Front Guard		●
FOG (Falling Object Guard) Front & Tops Guard		●
ISO 10262 Level 2 Top Guard		●
Cabin ROPS (ISO 12117-2)		
ROPS (Roll Over Protective Structure)	●	

SAFETY	STD	OPT
Radar with 2nd monitor		●
Battery master switch	●	
Rear view camera	●	
Rear & Mirror view camera		●
AAVM (Advanced Around View Monitoring)		●
Two working lights on Boom - Halogen	●	
Two working lights on Boom - LED		●
Travel alarm	●	
Rear work lamp		●
Beacon lamp		●
Automatic swing brake	●	
Safety lock valve for boom cylinder with overload warning device	●	
Safety lock valve for arm cylinder	●	
Swing Lock System		●
Four outside rearview mirror	●	
ATTACHMENT		
Booms		
5.0 m, 16' 5" Mono	●	
5.1 m, 16' 5" 2-Piece		●
Arms		
2.00 m, 6' 7"		●
2.45 m, 8' 0"	●	
2.60 m, 8' 6"		●
3.10 m, 10' 2"		●
2.45 m w/o reinf		●
2.60 m w/o reinf		●
OTHER		
Heavy CWT		●
Removable clean-out dust net for cooler	●	
Fuel pre-filter	●	
Self-diagnostics system	●	
Hi MATE (Remote Management System) Mobile		●
Hi MATE (Remote Management System) Satellite		●
Hi MATE (Remote Management System) Dual		●
Batteries (2 x 12V x 100 AH)	●	
Fuel filler pump (35 lpm)		●
Bucket line 3way		●
Single-acting piping kit (breaker, etc.)		●
Double-acting piping kit (clamshell, etc.)		●
Rotating Piping Kit		●
Quick coupler piping		●
Quick coupler		●
Accumulator for lowering work equipment	●	
Pattern change valve (2 patterns)		●
Fine Swing Control System		●
Ride control & Boom floating		●
Automatic digging brake		●
Joystick Steering		●
Tool kit		●
Auto cruiser system	●	
Lower Frame Toolbox - LH		●
Lower Frame Toolbox - LH, RH		●
UNDERCARRIAGE		
Rear dozer blade	●	
Rear outrigger		●
Front outrigger and rear blade		●
Front blade and rear outrigger		●
Front and rear outrigger		●
Front and rear blade		●
Front grapple rest and rear blade		●
Front grapple rest and rear outrigger		●
Front bucket rest and rear blade		●
Front bucket rest and rear outrigger		●
Tires-dual (10.00-20-14PR tube)	●	
Tires-dual (10.00-20-16PR tube)		●
Tires-dual (10.00-20 solid)		●
Trailer hitch for rear dozer blade		●
Wheel Chock		●
Fenders (Mudguards) - General axle		●
Fenders (Mudguards) - Wide axle		●
General axle 2.5m	●	
Wide axle 2.7 m		●

* 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.

MEMO