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2021. NOV



MOVING YOU FURTHER



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
- · Enhanced Axle Durability

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
- 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
- Radar with 2nd Monitor 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
- Cabin Suspension Mount

SERVICEABILITY AND TELEMATICS

HW140A

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

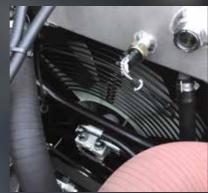




ENVIRONMENTALLY FRIENDLY FUEL EFFICIENCY

Reversable Fan NEW

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



Attachment Flow Control

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.



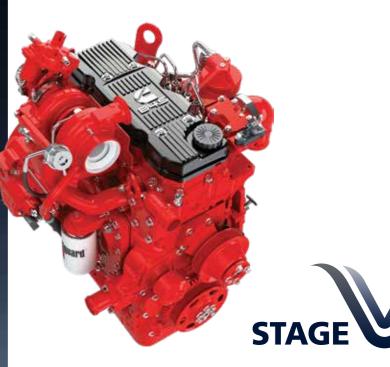
ECO Gauge

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.



EU STAGE V CERTIFIED ENGINE

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.



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.



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 Pins, Bushings and Polymer Shims

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.





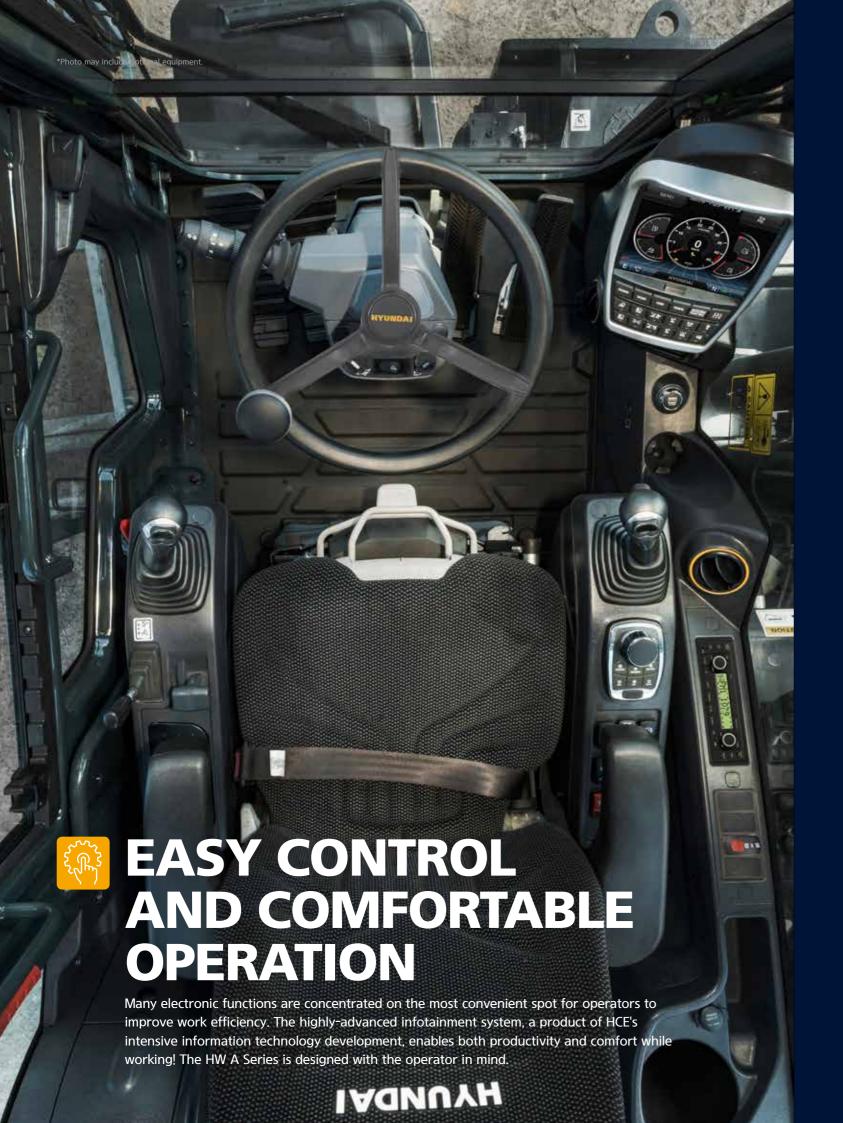
Hi-grade (High-pressure) Hoses

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

Enhanced Axle Durability

HW140A applied larger capacity axle than previous series to offer more reliable performance and longer durability.





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.



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

electric, hydraulic connectors for attachment vibration. It also proeasily mounting a hitch hook.



Ride Control NEW Optio

It helps the operator to drive Trailer Hitch Preparation gives smoothly by reducing the front vides 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

movement needs to be limited, operation. improving operating speed and productivity.

Fine Swing Control Option

Swing lock system is provided This option enables fine swing to maintain stability when swing movement at the start and stop of

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.



HW140A 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.





indicator







Activate "auto safety lock"

Excavator is not controlled by RCV lever and prevent unintende

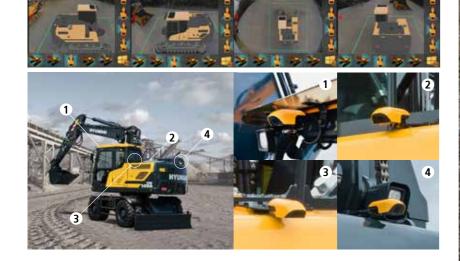
Elctronic Swing Parking Brake Control NEW

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.





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 smartphone 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



SPECIFICATIONS

ENGINE	
Maker / Model	CUMMINS / B4.5
Туре	4 cylinder, water cooled, 4-cycle, turbo- charged 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 (275 cu in)

HYDRAULIC SYSTEM

Advanced Load Sensing System(LUDV) Load independent flow sharing

MAIN PUMP

Туре	Variable displacement pump
Max. flow	230 lpm @ 1,600 rpm

AUX PUMP FOR STEERING OR ROTATION PIPING

Туре	Piston pumps
Max. flow	50 lpm

HYDRAULIC MOTORS

Travel	Bent - axis pistons motor	
Swing	Radial Piston Motor	

RELIEF VALVE SETTING

MELLE VALVE SETTING	
Implement circuits	350 kgf/cm ² (4,970 psi)
Travel	380 kgf/cm ² (5,400 psi)
Power boost (boom, arm, bucket)	380 kgf/cm ² (5,400 psi)
Swing circuit	285 kgf/cm ² (4,050 psi)
Pilot circuit	40 kgf/cm² (570 psi)
Service valve	Installed

HYDRAULIC CYLINDERS

	Boom: 2-105 x 1,105 mm	
	Arm: 1-115 x 1,138 mm	
No. of cylinder bore X stroke	Bucket: 1-100 x 850 mm	
	Blade: 2-100 x 241 mm	
	Outrigger: 2-110 x 446 mm	
	2-PCS boom: 2-105 x 992 mm	
	Adjust(boom): 1-145 x 634 mm	

^{*} 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		8,163 kgf
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 trapenic
- 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.

	Two joysticks with one safety lever
Pilot control	(LH): Swing and arm,
	(RH): Boom and bucket (ISO)

CONTROL	
Engine throttle	Electric, Dial type
Lights	Two lights mounted on the boom, one under the battery box and one under the

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	9.00-20-14PR, Dual (Tube type)
(Ontional)	9.00-20, Dual (Solid type)
(Optional)	10.00-20-14PR, Dual (Tube type)

STEERING SYSTEM

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

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

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

SERVICE CAPACITIES				
		liter	US gal	UK gal
Fuel tank		250	66.0	55.0
Engine coolant		19.5	5.2	4.3
Engine oil		11.0	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
AXIE	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 stability when digging and lifting. Can be mounted on the front/or the rear

OPERATING WEIGHT (APPROXIMATE)

Operating weight, including 4,600mm (15' 1") Mono boom, 4,710 (15' 5") 2-Piece boom, 2,450mm (8' 0") Arm, SAE heaped 0.71 m 3 (0.93 yd 3) backhoe bucket, lubricant, coolant, full fuel tank, hydraulic tank and the standard equipment.

OPERATING WEIGHT

	Mono boom	2-Piece boom
Rear outrigger	14,900 kg (32,850 lb)	15,860 kg (34,960 lb)
Front outrigger and rear blade	15,120 kg (33,330 lb)	16,080 kg (35,450 lb)
Front blade and rear outrigger	15,900 kg (35,050 lb)	16,860 kg (37,170 lb)
Four outrigger	15,830 kg (34,900 lb)	16,790 kg (37,010 lb)
Front blade and rear blade	16,120 kg (35,540 lb)	17,080 kg (37,650 lb)

AIR CONDITIONING SYSTEM

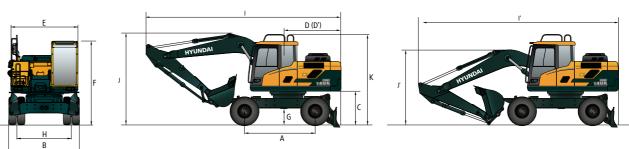
The air condition system for the machine contains the fluorinated greenhouse gas with global warming potential of R134a. (Global Warming Potential: 1430)

The system hold 0.65kg refrigerant consisting of a CO₂ equivalent 0.93kg metric tonne. For more information, Please refer to the manual.

DIMENSIONS & WORKING RANGE

HW140A MONO BOOM DIMENSIONS

4.6 m (15' 1") 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



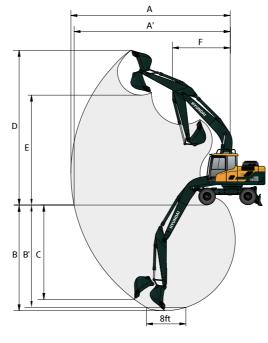
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Α	Wheel base	2,600 (8' 6")
В	Overall width (STD)	2,530 (8' 4")
C	Ground clearance of counterweight	1,260 (4' 2")
D	Rear-end distance	2,150 (7' 1")
D'	Rear-end swing radius	2,170 (7' 1")
Е	Upperstructure width	2,485 (8' 2")
F	Overall height of cab	3,255 (10' 8")
G	Min. ground clearance	390 (1' 3")
Н	Tread	1,944 (6' 5")
Κ	Overall height of guardrail	3,475 (11' 5")

	Arm length	2,000 (6' 7")	2,450 (8' 0'')	2,600 (8' 6'')	3,100 (10' 2")
I	Overall length (Traveling position)	7,665 (25' 2")	7,485 (24' 7")	7,395 (24' 3")	7,290 (23' 11")
l'	Overall length (Shipping position)	7,590 (24' 11")	7,660 (25' 2")	7,670 (25' 2")	7,600 (24' 11")
J	Overall height of boom (Traveling position)	3,270 (10' 9")	3,655 (12' 0")	3,775 (12' 5")	3,990 (13' 1")
J'	Overall height of boom (Shipping position)	2,725 (8' 11")	2,930 (9' 7")	3,050 (10' 0")	3,420 (11' 3")

HW140A MONO BOOM WORKING RANGE

Unit: mm (ft · in)

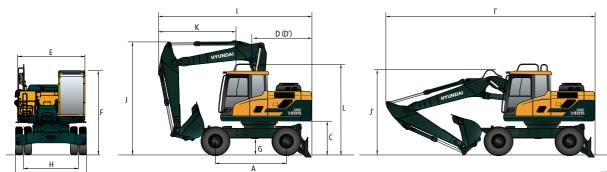


					Office filling (i.e., iii)		
	Boom length		4,600 (15' 1")				
	Arm length	2,000 (6' 7")	2,450 (8' 0")	2,600 (8' 6")	3,100 (10' 2")		
Α	Max. digging reach	7,880 (25' 10")	8,310 (27' 3")	8,450 (27' 9")	8,910 (29' 3")		
A'	Max, digging reach on ground	7,640 (25' 1")	8,080 (26' 6")	8,230 (27' 0")	8,700 (28' 7")		
В	Max. digging depth	4,660 (15' 3")	5,110 (16' 9")	5,260 (17' 3")	5,760 (18' 11")		
B'	Max. digging depth (8' level)	4,400 (14' 5")	4,895 (16' 1")	5,060 (16' 7")	5,580 (18' 4")		
C	Max. vertical wall digging depth	4,200 (13' 9")	4,655 (15' 3")	4,800 (15' 9")	5,310 (17' 5")		
D	Max. digging height	8,540 (28' 0")	8,850 (29' 0")	8,940 (29' 4")	9,210 (30' 3")		
Е	Max. dumping height	6,100 (20' 0")	6,400 (21' 0")	6,490 (21' 4")	6,760 (22' 2")		
F	Min. swing radius	2,670 (8' 9")	2,680 (8' 10")	2,690 (8' 10")	2,720 (8' 11")		

DIMENSIONS & WORKING RANGE

HW140A 2-PIECE BOOM DIMENSIONS

4.71 m (15' 5") 2-Piece boom, 2.0 m (6' 7"), 2.45 m (8' 0"), 2.6 m (8' 6") Arm, Rear dozer

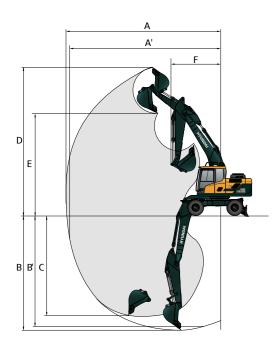


Unit	:	mm	(ft	•	ir
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Α	Wheel base	2,600 (8' 6")
В	Overall width (STD)	2,530 (8' 4")
C	Ground clearance of counterweight	1,260 (4' 2")
D	Rear-end distance	2,150 (7' 1")
D'	Rear-end swing radius	2,150 (7' 1")
Е	Upperstructure width	2,485 (8' 2")
F	Overall height of cab	3,255 (10' 8")
G	Min. ground clearance	390 (1' 3")
Н	Tread	1,944 (6' 5")
L	Overall height of guardrail	3,475 (11' 5")

	Boom length		4,710 (15' 5")	
	Arm length	2,000 (6' 7")	2,450 (8' 0")	2,600 (8' 6")
I	Overall length (Traveling position)	5,770 (18' 11")	5,740 (18' 10")	5,710 (18' 9")
l'	Overall length (Shipping position)	7,760 (25' 6")	7,765 (25' 6")	7,775 (25' 6")
J	Overall height of boom (Traveling position)	3,950 (13' 0")	3,950 (13' 0")	3,950 (13' 0")
J'	Overall height of boom (Shipping position)	2,700 (8' 10")	2,750 (9' 0")	2,800 (9' 2")
K	End of attachment to steering wheel	2,750 (9' 0")	2,720 (8' 11")	2,690 (8' 10")

HW140A 2-PIECE BOOM WORKING RANGE



	Boom length		4,710 (15' 5")	
	Arm length	2,000 (6' 7")	2,450 (8' 0")	2,600 (8' 6")
А	Max. digging reach	8,050 (26' 5")	8,490 (27' 10")	8,630 (28' 4")
A'	Max. digging reach on ground	7,820 (25' 8")	8,270 (27' 2")	8,420 (27' 7")
В	Max. digging depth	4,550 (14' 11")	5,000 (16' 5")	5,150 (16' 11")
B'	Max. digging depth (8' level)	4,430 (14' 6")	4,890 (16' 1")	5,040 (16' 6")
C	Max. vertical wall digging depth	3,930 (12' 11")	4,410 (14' 6")	4,555 (14' 11")
D	Max. digging height	9,120 (29' 11")	9,480 (31' 1")	9,600 (31' 6")
Е	Max. dumping height	6,640 (21' 9")	6,990 (22' 11")	7,110 (23' 4")
F	Min. swing radius	2,620 (8' 7")	2,600 (8' 6")	2,650 (8' 8")

LIFTING CAPACITY

Rating over-front Rating over-side or 360 degree

HW140A MONO BOOM

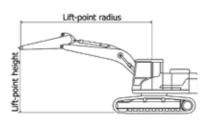
4.60 m (15' 1") Mono boom, 2.00 m (6' 7") arm equipped with STD counter weight, dozer up

1.0			Lift-point radius								At max. reach		
Lift-point height m (ft)		1.3111 (4.911)		3.0m	3.0m (9.8ft)		4.5m (14.8ft)		19.7ft)	Capa	acity	Reach	
		ď	₩	b	₩	ď	₩	b	₽		₩	m (ft)	
6.0m	kg					*4,420	3,330			*3,330	2,640	5.15	
19.7ft	lb					*9,740	7,340			*7,340	5,820	(16.9)	
4.5m	kg					*4,790	3,230	3,560	2,020	*3,110	1,970	6.08	
14.8ft	lb					*10,560	7,120	7,850	4,450	*6,860	4,340	(19.9)	
3.0m	kg					5,500	3,010	3,490	1,960	3,050	1,710	6.53	
9.8ft	lb					12,130	6,640	7,690	4,320	6,720	3,770	(21.4)	
1.5m	kg					5,250	2,810	3,400	1,880	2,940	1,620	6.62	
4.9ft	lb					11,570	6,190	7,500	4,140	6,480	3,570	(21.7)	
0.0m	kg			*6,510	4,840	5,120	2,700	3,340	1,820	3,090	1,700	6.34	
0.0ft	lb			*14,350	10,670	11,290	5,950	7,360	4,010	6,810	3,750	(20.8)	
-1.5m	kg	*6,490	*6,490	*9,460	4,900	5,120	2,690			3,650	1,990	5.66	
-4.9ft	lb	*14,310	*14,310	*20,860	10,800	11,290	5,930			8,050	4,390	(18.6)	
-3.0m	kg			*6,990	5,080					*4,600	2,950	4.37	
-9.8ft	lb			*15,410	11,200					*10,140	6,500	(14.3)	

4.60 m (15' 1") Mono boom, 2.00 m (6' 7") arm equipped with Heavy counter weight, dozer up

1:6					Lift-poir	nt radius				,	At max. reach		
Lift-point height m (ft)		1.5m	(4.9ft)	3.0m	(9.8ft)	4.5m (14.8ft)	6.0m (19.7ft)	Capa	acity	Reach	
		ď	₽	b	₽	P	₽	b	₽	ď	₽	m (ft)	
6.0m	kg					*4,420	3,630			*3,330	2,900	5.15	
19.7ft	lb					*9,740	8,000			*7,340	6,390	(16.9)	
4.5m	kg					*4,790	3,540	*3,600	2,240	*3,110	2,190	6.08	
14.8ft	lb					*10,560	7,800	*7,940	4,940	*6,860	4,830	(19.9)	
3.0m	kg					*5,740	3,320	3,780	2,180	*3,140	1,900	6.53	
9.8ft	lb					*12,650	7,320	8,330	4,810	*6,920	4,190	(21.4)	
1.5m	kg					5,680	3,110	3,680	2,090	3,190	1,820	6.62	
4.9ft	lb					12,520	6,860	8,110	4,610	7,030	4,010	(21.7)	
0.0m	kg			*6,510	5,380	5,550	3,000	3,620	2,040	3,350	1,900	6.34	
0.0ft	lb			*14,350	11,860	12,240	6,610	7,980	4,500	7,390	4,190	(20.8)	
-1.5m	kg	*6,490	*6,490	*9,460	5,430	5,540	3,000			3,960	2,220	5.66	
-4.9ft	lb	*14,310	*14,310	*20,860	11,970	12,210	6,610			8,730	4,890	(18.6)	
-3.0m	kg			*6,990	5,610					*4,600	3,270	4.37	
-9.8ft	lb			*15,410	12,370					*10,140	7,210	(14.3)	

- 1. Lifting capacity are based on ISO 10567.
- Lifting capacity does not exceed 75% of tipping load with the machine on firm level ground or 87% of full hydraulic capacity.
 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

HW140A MONO BOOM

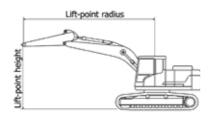
4.60 m (15' 1") Mono boom, 2.45 m (8' 0") arm equipped with STD counter weight, dozer up

					Lift-poin	it radius				A	At max, reach	
Lift-po		1.5m	(4.9ft)	3.0m	(9.8ft)	4.5m (14.8ft)	6.0m (19.7ft)	Capa	city	Reach
heigh m (ft		b	₩	ď	₽	ď	₩		₩		₩	m (ft)
7.5m	kg									*2,890	*2,890	4.16
24.6ft	lb									*6,370	*6,370	(13.6)
6.0m	kg					*3,880	3,390			*2,390	2,250	5.70
19.7ft	lb					*8,550	7,470			*5,270	4,960	(18.7)
4.5m	kg					*4,330	3,280	3,590	2,050	*2,250	1,750	6.55
14.8ft	lb					*9,550	7,230	7,910	4,520	*4,960	3,860	(21.5)
3.0m	kg			*7,850	5,600	*5,330	3,050	3,500	1,970	*2,260	1,530	6.97
9.8ft	lb			*17,310	12,350	*11,750	6,720	7,720	4,340	*4,980	3,370	(22.9)
1.5m	kg			*5,690	4,970	5,270	2,810	3,390	1,860	*2,410	1,460	7.05
4.9ft	lb			*12,540	10,960	11,620	6,190	7,470	4,100	*5,310	3,220	(23.1)
0.0m	kg			*6,760	4,790	5,100	2,670	3,310	1,790	*2,740	1,510	6.79
0.0ft	lb			*14,900	10,560	11,240	5,890	7,300	3,950	*6,040	3,330	(22.3)
-1.5m	kg	*5,600	*5,600	*9,980	4,800	5,060	2,640	3,300	1,790	3,190	1,730	6.16
-4.9ft	lb	*12,350	*12,350	*22,000	10,580	11,160	5,820	7,280	3,950	7,030	3,810	(20.2)
-3.0m	kg			*7,990	4,940	5,160	2,720			4,400	2,370	5.01
-9.8ft	lb			*17,610	10,890	11,380	6,000			9,700	5,220	(16.4)

4.60 m (15' 1") Mono boom, 2.45 m (8' 0") arm equipped with Heavy counter weight, dozer up

1.:61					Lift-poir	nt radius					At max. reach	
Lift-po		1.5m	(4.9ft)	3.0m	(9.8ft)	4.5m (14.8ft)	6.0m (19.7ft)	Capa	acity	Reach
heigh m (ft		b	₽	ď	4	b	=	ď	₩	ď	₩	m (ft)
7.5m	kg									*2,890	*2,890	4.16
24.6ft	lb									*6,370	*6,370	(13.6)
6.0m	kg					*3,880	3,700			*2,390	*2,390	5.70
19.7ft	lb					*8,550	8,160			*5,270	*5,270	(18.7)
4.5m	kg					*4,330	3,580	*3,790	2,260	*2,250	1,940	6.55
14.8ft	lb					*9,550	7,890	*8,360	4,980	*4,960	4,280	(21.5)
3.0m	kg			*7,850	6,130	*5,330	3,360	3,790	2,180	*2,260	1,710	6.97
9.8ft	lb			*17,310	13,510	*11,750	7,410	8,360	4,810	*4,980	3,770	(22.9)
1.5m	kg			*5,690	5,510	5,700	3,120	3,670	2,080	*2,410	1,630	7.05
4.9ft	lb			*12,540	12,150	12,570	6,880	8,090	4,590	*5,310	3,590	(23.1)
0.0m	kg			*6,760	5,320	5,530	2,980	3,590	2,010	*2,740	1,630	6.79
0.0ft	lb			*14,900	11,730	12,190	6,570	7,910	4,430	*6,040	3,730	(22.3)
-1.5m	kg	*5,600	*5,600	*9,980	5,330	5,490	2,940	3,590	2,000	*3,430	1,940	6.16
-4.9ft	lb	*12,350	*12,350	*22,000	11,750	12,100	6,480	7,910	4,410	*7,560	4,280	(20.2)
-3.0m	kg			*7,990	5,480	*5,350	3,020			*4,450	2,640	5.01
-9.8ft	lb			*17,610	12,080	*11,790	6,660			*9,810	5,820	(16.4)

- Lifting capacity are based on ISO 10567.
 Lifting capacity does not exceed 75% of tipping load with the machine on firm level ground or 87% of full hydraulic capacity.
 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

HW140A MONO BOOM

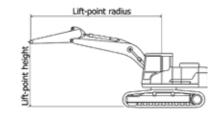
4.60 m (15' 1") Mono boom, 2.60 m (8' 6") arm equipped with STD counter weight, dozer up

1.16					Lift-poir	nt radius				,	At max. reach	
Lift-po		1.5m	(4.9ft)	3.0m (9.8ft)	4.5m (1	14.8ft)	6.0m (19.7ft)	Capa	city	Reach
heigh m (ft		ď	₽	ď	45	Ь	₽	b	₽	ď	₽	m (ft)
7.5m	kg									*2,660	*2,660	4.40
24.6ft	lb									*5,860	*5,860	(14.4)
6.0m	kg									*2,230	2,140	5.87
19.7ft	lb									*4,920	4,720	(19.3)
4.5m	kg					*4,180	3,300	3,610	2,060	*2,100	1,690	6.70
14.8ft	lb					*9,220	7,280	7,960	4,540	*4,630	3,730	(22.0)
3.0m	kg			*7,510	5,670	*5,190	3,070	3,510	1,970	*2,110	1,480	7.12
9.8ft	lb			*16,560	12,500	*11,440	6,770	7,740	4,340	*4,650	3,260	(23.3)
1.5m	kg			*6,430	5,000	5,280	2,820	3,390	1,870	*2,250	1,410	7.19
4.9ft	lb			*14,180	11,020	11,640	6,220	7,470	4,120	*4,960	3,110	(23.6)
0.0m	kg			*6,820	4,770	5,090	2,660	3,300	1,790	*2,540	1,460	6.94
0.0ft	lb			*15,040	10,520	11,220	5,860	7,280	3,950	*5,600	3,220	(22.8)
-1.5m	kg	*5,360	*5,360	*10,110	4,760	5,040	2,620	3,290	1,770	3,060	1,660	6.33
-4.9ft	lb	*11,820	*11,820	*22,290	10,490	11,110	5,780	7,250	3,900	6,750	3,660	(20.8)
-3.0m	kg	*9,520	*9,520	*8,270	4,900	5,120	2,690			4,130	2,220	5.21
-9.8ft	lb	*20,990	*20,990	*18,230	10,800	11,290	5,930			9,110	4,890	(17.1)

4.60 m (15' 1") Mono boom, 2.60 m (8' 6") arm equipped with Heavy counter weight, dozer up

	(.5 .	,	, 2.00 (0	o / arrir equi		-					A +	
Lift-po	nint		(nt radius	(1.105)				At max. reach	
		1.5m	(4.9ft)	3.0m	(9.8ft)	4.5m ((14.8ft)	6.0m (19.7ft)	Cap	acity	Reach
heigh m (fi			#		₩	b	₩	ď	₽		#	m (ft)
7.5m	kg									*2,660	*2,660	4.40
24.6ft	lb									*5,860	*5,860	(14.4)
6.0m	kg									*2,230	*2,230	5.87
19.7ft	lb									*4,920	*4,920	(19.3)
4.5m	kg					*4,180	3,610	*3,720	2,280	*2,100	1,870	6.70
14.8ft	lb					*9,220	7,960	*8,200	5,030	*4,630	4,120	(22.0)
3.0m	kg			*7,510	6,200	*5,190	3,380	3,800	2,190	*2,110	1,660	7.12
9.8ft	lb			*16,560	13,670	*11,440	7,450	8,380	4,830	*4,650	3,660	(23.3)
1.5m	kg			*6,430	5,530	5,710	3,130	3,680	2,080	*2,250	1,580	7.19
4.9ft	lb			*14,180	12,190	12,590	6,900	8,110	4,590	*4,960	3,480	(23.6)
0.0m	kg			*6,820	5,300	5,520	2,970	3,590	2,000	*2,540	1,640	6.94
0.0ft	lb			*15,040	11,680	12,170	6,550	7,910	4,410	*5,600	3,620	(22.8)
-1.5m	kg	*5,360	*5,360	*10,110	5,300	5,470	2,930	3,570	1,990	*3,140	1,860	6.33
-4.9ft	lb	*11,820	*11,820	*22,290	11,680	12,060	6,460	7,870	4,390	*6,920	4,100	(20.8)
-3.0m	kg	*9,520	*9,520	*8,270	5,430	5,550	3,000			*4,400	2,480	5.21
-9.8ft	lb	*20,990	*20,990	*18,230	11,970	12,240	6,610			*9,700	5,470	(17.1)

- 1. Lifting capacity are based on ISO 10567.
- Lifting capacity are based on ISO 10507.
 Lifting capacity does not exceed 75% of tipping load with the machine on firm level ground or 87% of full hydraulic capacity.
 The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).
 (*) indicates load limited by hydraulic capacity.



Rating over-front Rating over-side or 360 degree

HW140A MONO BOOM

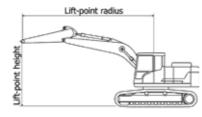
4.60 m (15' 1") Mono boom, 3.1 m (10' 2") arm equipped with STD counter weight, dozer up

1.16						Lift-poin	t radius					А	t max. reacl	h
Lift-po		1.5m	(4.9ft)	3.0m	(9.8ft)	4.5m (1	14.8ft)	6.0m (19.7ft)	7.5m (2	24.6ft)	Capa	acity	Reach
heigh m (ft		b	₩		₽	ď	45	b	₽	ď	₽	ď	₽	m (ft)
7.5m	kg											*2,150	*2,150	5.13
24.6ft	lb											*4,740	*4,740	(16.8)
6.0m	kg							*2,670	2,120			*1,860	1,850	6.43
19.7ft	lb							*5,890	4,670			*4,100	4,080	(21.1)
4.5m	kg							*3,310	2,090			*1,770	1,490	7.20
14.8ft	lb							*7,300	4,610			*3,900	3,280	(23.6)
3.0m	kg			*6,350	5,900	*4,690	3,130	3,530	1,990	*2,090	1,350	*1,790	1,320	7.58
9.8ft	lb			*14,000	13,010	*10,340	6,900	7,780	4,390	*4,610	2,980	*3,950	2,910	(24.9)
1.5m	kg			*9,370	5,150	5,330	2,860	3,400	1,870	2,400	1,310	*1,900	1,260	7.65
4.9ft	lb			*20,660	11,350	11,750	6,310	7,500	4,120	5,290	2,890	*4,190	2,780	(25.1)
0.0m	kg			*7,170	4,780	5,100	2,660	3,290	1,770			*2,120	1,290	7.42
0.0ft	lb			*15,810	10,540	11,240	5,860	7,250	3,900			*4,670	2,840	(24.3)
-1.5m	kg	*4,710	*4,710	*9,570	4,710	5,010	2,580	3,240	1,730			*2,570	1,440	6.85
-4.9ft	lb	*10,380	*10,380	*21,100	10,380	11,050	5,690	7,140	3,810			*5,670	3,170	(22.5)
-3.0m	kg	*7,920	*7,920	*9,090	4,790	5,040	2,610					3,430	1,840	5.84
-9.8ft	lb	*17,460	*17,460	*20,040	10,560	11,110	5,750					7,560	4,060	(19.1)

4.60 m (15' 1") Mono boom, 3.1 m (10' 2") arm equipped with Heavy counter weight, dozer up

1.:0						Lift-point	radius					А	t max. reac	h
Lift-po		1.5m	(4.9ft)	3.0m	(9.8ft)	4.5m (1	4.8ft)	6.0m (1	19.7ft)	7.5m (2	24.6ft)	Capa	city	Reach
heigh m (ft		b	₽	b	₽	b	₽		₩	ď	₩	Ð	₽	m (ft)
7.5m	kg											*2,150	*2,150	5.13
24.6ft	lb											*4,740	*4,740	(16.8)
6.0m	kg							*2,670	2,570			*1,860	*1,860	6.43
19.7ft	lb							*5,890	5,670			*4,100	*4,100	(21.1)
4.5m	kg							*3,310	2,530			*1,770	1,670	7.20
14.8ft	lb							*7,300	5,580			*3,900	3,680	(23.6)
3.0m	kg			*6,350	*6,350	*4,690	3,440	3,820	2,430	*2,090	1,520	*1,790	1,490	7.58
9.8ft	lb			*14,000	*14,000	*10,340	7,580	8,420	5,360	*4,610	3,350	*3,950	3,280	(24.9)
1.5m	kg			*9,370	5,680	5,760	3,170	3,680	2,310	*2,510	1,470	*1,900	1,420	7.65
4.9ft	lb			*20,660	12,520	12,700	6,990	8,110	5,090	*5,530	3,240	*4,190	3,130	(25.1)
0.0m	kg			*7,170	5,320	5,530	2,970	3,570	2,210			*2,120	1,460	7.42
0.0ft	lb			*15,810	11,730	12,190	6,550	7,870	4,870			*4,670	3,220	(24.3)
-1.5m	kg	*4,710	*4,710	*9,570	5,240	5,430	2,890	3,530	2,170			*2,570	1,630	6.85
-4.9ft	lb	*10,380	*10,380	*21,100	11,550	11,970	6,370	7,780	4,780			*5,670	3,590	(22.5)
-3.0m	kg	*7,920	*7,920	*9,090	5,320	5,460	2,920					*3,610	2,060	5.84
-9.8ft	lb	*17,460	*17,460	*20,040	11,730	12,040	6,440					*7,960	4,540	(19.1)

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





HW140A 2-PIECE BOOM

4.71 m (15' 5") 2-Piece boom, 2.00 m (6' 7") arm equipped with Heavy counter weight, dozer up

1:0				Lift-point	radius				At max. reach	
Lift-po		3.0m (9	9.8ft)	4.5m (1-	4.8ft)	6.0m (19	9.7ft)	Capac	ity	Reach
heigh m (ft		ď	₩	b	₩	b	≠ 5	ď	₩	m (ft)
7.5m	kg							*4,410	*4,410	3.69
24.6ft	lb							*9,720	*9,720	(12.1)
6.0m	kg			*4,210	3,650			*3,470	2,690	5.37
19.7ft	lb			*9,280	8,050			*7,650	5,930	(17.6)
4.5m	kg	*5,800	*5,800	*4,630	3,530	3,870	2,230	*3,200	2,060	6.26
14.8ft	lb	*12,790	*12,790	*10,210	7,780	8,530	4,920	*7,050	4,540	(20.6)
3.0m	kg			*5,580	3,290	3,780	2,160	3,170	1,810	6.71
9.8ft	lb			*12,300	7,250	8,330	4,760	6,990	3,990	(22.0)
1.5m	kg			5,670	3,070	3,680	2,070	3,070	1,730	6.79
4.9ft	lb			12,500	6,770	8,110	4,560	6,770	3,810	(22.3)
0.0m	kg	*4,830	*4,830	5,540	2,960	3,620	2,010	3,220	1,810	6.52
0.0ft	lb	*10,650	*10,650	12,210	6,530	7,980	4,430	7,100	3,990	(21.4)
-1.5m	kg	*9,500	5,380	5,540	2,960			3,780	2,110	5.86
-4.9ft	lb	*20,940	11,860	12,210	6,530			8,330	4,650	(19.2)

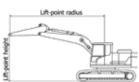
4.71 m (15' 5") 2-Piece boom, 2.45 m (8' 0") arm equipped with Heavy counter weight, dozer up

1.16				Lift-point	radius			F	At max. reach	
Lift-po		3.0m (9	.8ft)	4.5m (14	1.8ft)	6.0m (19	.7ft)	Capaci	ity	Reach
heigh m (ft		ď	₩	b	₩	<u> </u>	₽	b	₩	m (ft)
7.5m	kg			*2,670	*2,670			*2,110	*2,110	4.78
24.6ft	lb			*5,890	*5,890			*4,650	*4,650	(15.7)
6.0m	kg			*3,050	*3,050	*2,230	2,010	*1,780	*1,780	6.16
19.7ft	lb			*6,720	*6,720	*4,920	4,430	*3,920	*3,920	(20.2)
4.5m	kg			*3,550	3,350	*3,300	1,990	*1,690	1,450	6.95
14.8ft	lb			*7,830	7,390	*7,280	4,390	*3,730	3,200	(22.8)
3.0m	kg	*6,710	5,900	*4,540	3,070	3,520	1,880	*1,720	1,250	7.35
9.8ft	lb	*14,790	13,010	*10,010	6,770	7,760	4,140	*3,790	2,760	(24.1)
1.5m	kg	*5,980	5,100	5,390	12,780	3,370	1,750	*1,850	1,180	7,43
4.9ft	lb	*13,180	11,240	11,880	6,130	7,430	3,860	*4,080	2,600	(24.4)
0.0m	kg	*6,070	4,830	5,180	2,590	3,270	1,650	*2,140	1,220	7.18
0.0ft	lb	*13,380	10,650	11,420	5,710	7,210	3,640	*4,720	2,690	(23.6)
-1.5m	kg	*9,200	4,820	5,110	2,540	3,240	1,630	*2,710	1,410	6.59
-4.9ft	lb	*20,280	10,630	11,270	5,600	7,140	3,590	*5,970	3,110	(21.6)
-3.0m	kg			5,190	2,610					
-9.8ft	lb			11,440	5,750					

4.71 m (15' 5") 2-Piece boom, 2.60 m (8' 6") arm equipped with Heavy counter weight, dozer up

1.6						Lift-poin	t radius					A	t max. reac	h
Lift-pc		1.5m	(4.9ft)	3.0m	(9.8ft)	4.5m (14.8ft)	6.0m (19.7ft)	7.5m	(24.6ft)	Capa	acity	Reach
heigh m (fi		b	₽	·	45	b	₩	ď	₩	ď	₽	ŀ	₽	m (ft)
7.5m	kg					*3,340	*3,340					*2,790	*2,790	4.70
24.6ft	lb					*7,360	*7,360					*6,150	*6,150	(15.4)
6.0m	kg					*3,560	*3,560	*2,730	2,280			*2,330	2,210	6.10
19.7ft	lb					*7,850	*7,850	*6,020	5,030			*5,140	4,870	(20.0)
4.5m	kg					*4,050	3,610	*3,770	2,270			*2,170	1,770	6.90
14.8ft	lb					*8,930	7,960	*8,310	5,000			*4,780	3,900	(22.6)
3.0m	kg			*7,450	6,140	*5,050	3,350	3,810	2,170			*2,150	1,570	7.30
9.8ft	lb			*16,420	13,540	*11130	7,390	8,400	4,780			*4,740	3,460	(23.9)
1.5m	kg					5,700	3,090	3,680	2,060			*2,250	1,510	7.37
4.9ft	lb					12,570	6,810	8,110	4,540			*4,960	3,330	(24.2)
0.0m	kg			*5,350	5,230	5,510	2,930	3,580	1,980			*2,480	1,560	7.13
0.0ft	lb			*11,790	11,530	12,150	6,460	7,890	4,370			*5,470	3,440	(23.4)
-1.5m	kg			*9,050	5,240	5,460	2,890	3,570	1,960			*2,970	1,760	6.53
-4.9ft	lb			*19,950	11,550	12,040	6,370	7,870	4,320			*6,550	3,880	(21.4)
-3.0m	kg					5,550	2,960							
-9.8ft	lb					12,240	6,530							

- 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

HW140A MONO BOOM

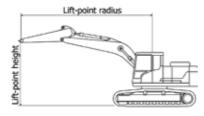
4.60 m (15' 1") Mono boom, 2.00 m (6' 7") arm equipped with STD counter weight, dozer down

1.0					Lift-poir	nt radius					At max. reach	
Lift-po		1.5m	(4.9ft)	3.0m	(9.8ft)	4.5m (14.8ft)	6.0m (19.7ft)	Capa	acity	Reach
heigh m (ft		ď	₩		₩	ď	₩	b	₩	b	₩	m (ft)
6.0m	kg					*4,420	3,670			*3,330	2,910	5.15
19.7ft	lb					*9,740	8,090			*7,340	6,420	(16.9)
4.5m	kg					*4,790	3,570	3,560	2,240	*3,110	2,190	6.08
14.8ft	lb					*10,560	7,870	7,850	4,940	*6,860	4,830	(19.9)
3.0m	kg					5,500	3,350	3,490	2,180	3,050	1,900	6.53
9.8ft	lb					12,130	7,390	7,690	4,810	6,720	4,190	(21.4)
1.5m	kg					5,250	3,140	3,400	2,090	2,940	1,810	6.62
4.9ft	lb					11,570	6,920	7,500	4,610	6,480	3,990	(21.7)
0.0m	kg			*6,510	5,520	5,120	3,020	3,340	2,040	3,090	1,890	6.34
0.0ft	lb			*14,350	12,170	11,290	6,660	7,360	4,500	6,810	4,170	(20.8)
-1.5m	kg	*6,490	*6,490	*9,460	5,580	5,120	3,020			3,650	2,230	5.66
-4.9ft	lb	*14,310	*14,310	*20,860	12,300	11,290	6,660			8,050	4,920	(18.6)
-3.0m	kg			*6,990	5,760					*4,600	3,300	4.37
-9.8ft	lb			*15,410	12,700					*10,140	7,280	(14.3)

4.60 m (15' 1") Mono boom, 2.00 m (6' 7") arm equipped with Heavy counter weight, dozer down

1.:0					Lift-poir	nt radius					At max. reach	
Lift-po		1.5m	(4.9ft)	3.0m	(9.8ft)	4.5m (14.8ft)	6.0m (19.7ft)	Capa	acity	Reach
heigh m (ft		b	₽	b	₩	b	₽	ď	₽	ŀ	₩	m (ft)
6.0m	kg					*4,420	4,000			*3,330	3,180	5.15
19.7ft	lb					*9,740	8,820			*7,340	7,010	(16.9)
4.5m	kg					*4,790	3,890	*3,600	2,460	*3,110	2,410	6.08
14.8ft	lb					*10,560	8,580	*7,940	5,420	*6,860	5,310	(19.9)
3.0m	kg					*5,740	3,670	3,780	2,400	*3,140	2,100	6.53
9.8ft	lb					*12,650	8,090	8,330	5,290	*6,920	4,630	(21.4)
1.5m	kg					5,680	3,460	3,680	2,320	3,190	2,010	6.62
4.9ft	lb					12,520	7,630	8,110	5,110	7,030	4,430	(21.7)
0.0m	kg			*6,510	6,090	5,550	3,350	3,620	2,260	3,350	2,100	6.34
0.0ft	lb			*14,350	13,430	12,240	7,390	7,980	4,980	7,390	4,630	(20.8)
-1.5m	kg	*6,490	*6,490	*9,460	6,150	5,540	3,340			3,960	2,470	5.66
-4.9ft	lb	*14,310	*14,310	*20,860	13,560	12,210	7,360			8,730	5,450	(18.6)
-3.0m	kg			*6,990	6,340					*4,600	3,630	4.37
-9.8ft	lb			*15,410	13,980					*10,140	8,000	(14.3)

- 1. Lifting capacity are based on ISO 10567.
- Lifting capacity are based of 150 10507.
 Lifting capacity does not exceed 75% of tipping load with the machine on firm level ground or 87% of full hydraulic capacity.
 The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).
 (*) indicates load limited by hydraulic capacity.



Rating over-front Rating over-side or 360 degree

HW140A MONO BOOM

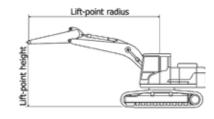
 $4.60~\mathrm{m}$ (15' 1") Mono boom, $2.45~\mathrm{m}$ (8' 0") arm equipped with STD counter weight, dozer down

1.6	[Lift-poir	nt radius				Į.	At max. reach	
Lift-po		1.5m	(4.9ft)	3.0m ((9.8ft)	4.5m (14.8ft)	6.0m (19.7ft)	Capa	icity	Reach
heigh m (ft		b	45	b	₩	b	₩	b	₽	b	₩	m (ft)
7.5m	kg									*2,890	*2,890	4.16
24.6ft	lb									*6,370	*6,370	(13.6)
6.0m	kg					*3,880	3,740			*2,390	*2,390	5.70
19.7ft	lb					*8,550	8,250			*5,270	*5,270	(18.7)
4.5m	kg					*4,330	3,620	3,590	2,270	*2,250	1,940	6.55
14.8ft	lb					*9,550	7,980	7,910	5,000	*4,960	4,280	(21.5)
3.0m	kg			*7,850	6,310	*5,330	3,390	3,500	2,180	*2,260	1,700	6.97
9.8ft	lb			*17,310	13,910	*11,750	7,470	7,720	4,810	*4,980	3,750	(22.9)
1.5m	kg			*5,690	5,650	5,270	3,150	3,390	2,080	*2,410	1,630	7.05
4.9ft	lb			*12,540	12,460	11,620	6,940	7,470	4,590	*5,310	3,590	(23.1)
0.0m	kg			*6,760	5,460	5,100	3,000	3,310	2,010	*2,740	1,690	6.79
0.0ft	lb			*14,900	12,040	11,240	6,610	7,300	4,430	*6,040	3,730	(22.3)
-1.5m	kg	*5,600	*5,600	*9,980	5,480	5,060	2,960	3,300	2,000	3,190	1,940	6.16
-4.9ft	lb	*12,350	*12,350	*22,000	12,080	11,160	6,530	7,280	4,410	7,030	4,280	(20.2)
-3.0m	kg			*7,990	5,620	5,160	3,050			4,400	2,650	5.01
-9.8ft	lb			*17,610	12,390	11,380	6,720			9,700	5,840	(16.4)

4.60~m (15' 1") Mono boom, 2.45~m (8' 0") arm equipped with Heavy counter weight, dozer down

1.6					Lift-poir	nt radius					At max. reach	
Lift-pc		1.5m	(4.9ft)	3.0m	(9.8ft)	4.5m (14.8ft)	6.0m (19.7ft)	Capa	acity	Reach
heigh m (f			₩		₩	ď	₩	ď	45	ď	₩	m (ft)
7.5m	kg									*2,890	*2,890	4.16
24.6ft	lb									*6,370	*6,370	(13.6)
6.0m	kg					*3,880	*3,880			*2,390	*2,390	5.70
19.7ft	lb					*8,550	*8,550			*5,270	*5,270	(18.7)
4.5m	kg					*4,330	3,940	*3,790	2,490	*2,250	2,140	6.55
14.8ft	lb					*9,550	8,690	*8,360	5,490	*4,960	4,720	(21.5)
3.0m	kg			*7,850	6,880	*5,330	3,710	3,790	2,410	*2,260	1,890	6.97
9.8ft	lb			*17,310	15,170	*11,750	8,180	8,360	5,310	*4,980	4,170	(22.9)
1.5m	kg			*5,690	*5,690	5,700	3,470	3,670	2,300	*2,410	1,810	7.05
4.9ft	lb			*12,540	*12,540	12,570	7,650	8,090	5,070	*5,310	3,990	(23.1)
0.0m	kg			*6,760	6,030	5,530	3,320	3,590	2,230	*2,740	1,880	6.79
0.0ft	lb			*14,900	13,290	12,190	7,320	7,910	4,920	*6,040	4,140	(22.3)
-1.5m	kg	*5,600	*5,600	*9,980	6,050	5,490	3,290	3,590	2,230	*3,430	2,150	6.16
-4.9ft	lb	*12,350	*12,350	*22,000	13,340	12,100	7,250	7,910	4,920	*7,560	4,740	(20.2)
-3.0m	kg			*7,990	6,200	*5,350	3,370			*4,450	2,930	5.01
-9.8ft	lb			*17,610	13,670	*11,790	7,430			*9,810	6,460	(16.4)

- Lifting capacity are based on ISO 10567.
 Lifting capacity does not exceed 75% of tipping load with the machine on firm level ground or 87% of full hydraulic capacity.
 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

HW140A MONO BOOM

4.60 m (15' 1") Mono boom, 2.60 m (8' 6") arm equipped with STD counter weight, dozer down

1.16					Lift-poir	nt radius				, i	At max. reach	
Lift-po		1.5m	(4.9ft)	3.0m	(9.8ft)	4.5m (14.8ft)	6.0m (19.7ft)	Capa	city	Reach
heigh m (ft		b	₽	b	₽	b	₩	b	₽	b	4	m (ft)
7.5m	kg									*2,660	*2,660	4.40
24.6ft	lb									*5,860	*5,860	(14.4)
6.0m	kg									*2,230	*2,230	5.87
19.7ft	lb									*4,920	*4,920	(19.3)
4.5m	kg					*4,180	3,650	3,610	2,280	*2,100	1,870	6.70
14.8ft	lb					*9,220	8,050	7,960	5,030	*4,630	4,120	(22.0)
3.0m	kg			*7,510	6,380	*5,190	3,410	3,510	2,190	*2,110	1,650	7.12
9.8ft	lb			*16,560	14,070	*11,440	7,520	7,740	4,830	*4,650	3,640	(23.3)
1.5m	kg			*6,430	5,680	5,280	3,150	3,390	2,080	*2,250	1,580	7.19
4.9ft	lb			*14,180	12,520	11,640	6,940	7,470	4,590	*4,960	3,480	(23.6)
0.0m	kg			*6,820	5,440	5,090	2,990	3,300	2,000	*2,540	1,630	6.94
0.0ft	lb			*15,040	11,990	11,220	6,590	7,280	4,410	*5,600	3,590	(22.8)
-1.5m	kg	*5,360	*5,360	*10,110	5,440	5,040	2,950	3,290	1,990	3,060	1,860	6.33
-4.9ft	lb	*11,820	*11,820	*22,290	11,990	11,110	6,500	7,250	4,390	6,750	4,100	(20.8)
-3.0m	kg	*9,520	*9,520	*8,270	5,580	5,120	3,020			4,130	2,490	5.21
-9.8ft	lb	*20,990	*20,990	*18,230	12,300	11,290	6,660			9,110	5,490	(17.1)

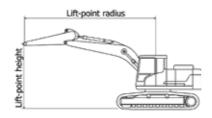
4.60 m (15' 1") Mono boom, 2.60 m (8' 6") arm equipped with Heavy counter weight, dozer down

					Lift-poir	nt radius					At max. reach	
Lift-po		1.5m	(4.9ft)	3.0m	(9.8ft)	4.5m (14.8ft)	6.0m (19.7ft)	Capa	acity	Reach
heigh m (ft		ď	45		4	b	₩	ď	=₽		4	m (ft)
7.5m	kg									*2,660	*2,660	4.40
24.6ft	lb									*5,860	*5,860	(14.4)
6.0m	kg									*2,230	*2,230	5.87
19.7ft	lb									*4,920	*4,920	(19.3)
4.5m	kg					*4,180	3,970	*3,720	2,510	*2,100	2,070	6.70
14.8ft	lb					*9,220	8,750	*8,200	5,530	*4,630	4,560	(22.0)
3.0m	kg			*7,510	6,950	*5,190	3,730	3,800	2,420	*2,110	1,830	7.12
9.8ft	lb			*16,560	15,320	*11,440	8,220	8,380	5,340	*4,650	4,030	(23.3)
1.5m	kg			*6,430	6,250	5,710	3,480	3,680	2,310	*2,250	1,760	7.19
4.9ft	lb			*14,180	13,780	12,590	7,670	8,110	5,090	*4,960	3,880	(23.6)
0.0m	kg			*6,820	6,020	5,520	3,320	3,590	2,230	*2,540	1,820	6.94
0.0ft	lb			*15,040	13,270	12,170	7,320	7,910	4,920	*5,600	4,010	(22.8)
-1.5m	kg	*5,360	*5,360	*10,110	6,010	5,470	3,270	3,570	2,210	*3,140	2,070	6.33
-4.9ft	lb	*11,820	*11,820	*22,290	13,250	12,060	7,210	7,870	4,870	*6,920	4,560	(20.8)
-3.0m	kg	*9,520	*9,520	*8,270	6,150	5,550	3,340			*4,400	2,760	5.21
-9.8ft	lb	*20,990	*20,990	*18,230	13,560	12,240	7,360			*9,700	6,080	(17.1)

- Lifting capacity are based on ISO 10567.
 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.





HW140A MONO BOOM

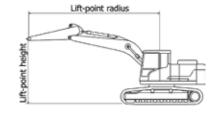
4.60 m (15' 1") Mono boom, 3.1 m (10' 2") arm equipped with STD counter weight, dozer down

1:64						Lift-poir	nt radius					А	t max. reac	h
Lift-po		1.5m	(4.9ft)	3.0m	(9.8ft)	4.5m (14.8ft)	6.0m (19.7ft)	7.5m (24.6ft)	Capa	acity	Reach
heigh m (ft		ŀ	₩		₽	ď	₽	·	₩	·	₩	b	₽	m (ft)
7.5m	kg											*2,150	*2,150	5.13
24.6ft	lb											*4,740	*4,740	(16.8)
6.0m	kg							*2,670	2,340			*1,860	*1,860	6.43
19.7ft	lb							*5,890	5,160			*4,100	*4,100	(21.1)
4.5m	kg							*3,310	2,310			*1,770	1,660	7.20
14.8ft	lb							*7,300	5,090			*3,900	3,660	(23.6)
3.0m	kg			*6,350	*6,350	*4,690	3,470	3,530	2,210	*2,090	1,510	*1,790	1,480	7.58
9.8ft	lb			*14,000	*14,000	*10,340	7,650	7,780	4,870	*4,610	3,330	*3,950	3,260	(24.9)
1.5m	kg			*9,370	5,840	5,330	3,190	3,400	2,080	2,400	1,460	*1,900	1,410	7.65
4.9ft	lb			*20,660	12,870	11,750	7,030	7,500	4,590	5,290	3,220	*4,190	3,110	(25.1)
0.0m	kg			*7,170	5,460	5,100	2,990	3,290	1,980			*2,120	1,450	7.42
0.0ft	lb			*15,810	12,040	11,240	6,590	7,250	4,370			*4,670	3,200	(24.3)
-1.5m	kg	*4,710	*4,710	*9,570	5,380	5,010	2,910	3,240	1,940			*2,570	1,620	6.85
-4.9ft	lb	*10,380	*10,380	*21,100	11,860	11,050	6,420	7,140	4,280			*5,670	3,570	(22.5)
-3.0m	kg	*7,920	*7,920	*9,090	5,470	5,040	2,940					3,430	2,070	5.84
-9.8ft	lb	*17,460	*17,460	*20,040	12,060	11,110	6,480					7,560	4,560	(19.1)

4.60 m (15' 1") Mono boom, 3.1 m (10' 2") arm equipped with Heavy counter weight, dozer down

Lift-po	nint.					Lift-poin	t radius					A	t max. reac	h
		1.5m	(4.9ft)	3.0m	(9.8ft)	4.5m (14.8ft)	6.0m (19.7ft)	7.5m (24.6ft)	Capa	acity	Reach
heigh m (ft			₩		₩	ŀ	₩	ŀ	₩	ď	₩	b	₩	m (ft)
7.5m	kg											*2,150	*2,150	5.13
24.6ft	lb											*4,740	*4,740	(16.8)
6.0m	kg							*2,670	2,570			*1,860	*1,860	6.43
19.7ft	lb							*5,890	5,670			*4,100	*4,100	(21.1)
4.5m	kg							*3,310	2,530			*1,770	*1,770	7.20
14.8ft	lb							*7,300	5,580			*3,900	*3,900	(23.6)
3.0m	kg			*6,350	*6,350	*4,690	3,800	3,820	2,430	*2,090	1,680	*1,790	1,650	7.58
9.8ft	lb			*14,000	*14,000	*10,340	8,380	8,420	5,360	*4,610	3,700	*3,950	3,640	(24.9)
1.5m	kg			*9,370	6,410	5,760	3,520	3,680	2,310	*2,510	1,640	*1,900	1,580	7.65
4.9ft	lb			*20,660	14,130	12,700	7,760	8,110	5,090	*5,530	3,620	*4,190	3,480	(25.1)
0.0m	kg			*7,170	6,030	5,530	3,320	3,570	2,210			*2,120	1,630	7.42
0.0ft	lb			*15,810	13,290	12,190	7,320	7,870	4,870			*4,670	3,590	(24.3)
-1.5m	kg	*4,710	*4,710	*9,570	5,960	5,430	3,230	3,530	2,170			*2,570	1,810	6.85
-4.9ft	lb	*10,380	*10,380	*21,100	13,140	11,970	7,120	7,780	4,780			*5,670	3,990	(22.5)
-3.0m	kg	*7,920	*7,920	*9,090	6,040	5,460	3,260					*3,610	2,300	5.84
-9.8ft	lb	*17,460	*17,460	*20,040	13,320	12,040	7,190					*7,960	5,070	(19.1)

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



Rating over-front Rating over-side or 360 degree

HW140A 2-PIECE BOOM

4.71 m (15' 5") 2-Piece boom, 2.00 m (6' 7") arm equipped with Heavy counter weight, dozer down

1.:0				Lift-point	radius				At max. reach	
Lift-po		3.0m (9.8ft)	4.5m (1-	4.8ft)	6.0m (19	9.7ft)	Capac	city	Reach
heigh m (ft		b	₩	b	₩	b	₽	b	₩	m (ft)
7.5m	kg							*4,410	*4,410	3.69
24.6ft	lb							*9,720	*9,720	(12.1)
6.0m	kg			*4,210	4,020			*3,470	2,970	5.37
19.7ft	lb			*9,280	8,860			*7,650	6,550	(17.6)
4.5m	kg	*5,800	*5,800	*4,630	3,890	3,870	2,460	*3,200	2,280	6.26
14.8ft	lb	*12,790	*12,790	*10,210	8,580	8,530	5,420	*7,050	5,030	(20.6)
3.0m	kg			*5,580	3,650	3,780	2,390	3,170	2,000	6.71
9.8ft	lb			*12,300	8,050	8,330	5,270	6,990	4,410	(22.0)
1.5m	kg			5,670	3,420	3,680	2,300	3,070	1,920	6.79
4.9ft	lb			12,500	7,540	8,110	5,070	6,770	4,230	(22.3)
0.0m	kg	*4,830	*4,830	5,540	3,310	3,620	2,240	3,220	2,010	6.52
0.0ft	lb	*10,650	*10,650	12,210	7,300	7,980	4,940	7,100	4,430	(21.4)
-1.5m	kg	*9,500	6,110	5,540	3,310			3,780	2,340	5.86
-4.9ft	lb	*20,940	13,470	12,210	7,300			8,330	5,160	(19.2)

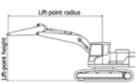
 $4.71~\mathrm{m}$ (15' 5") 2-Piece boom, $2.45~\mathrm{m}$ (8' 0") arm equipped with Heavy counter weight, dozer down

1.0				Lift-point	radius			,	At max. reach	
Lift-po		3.0m (9	9.8ft)	4.5m (14	1.8ft)	6.0m (19	9.7ft)	Capaci	ity	Reach
heigh m (ft		b	₩	b	₩	b	₩	b	₽	m (ft)
7.5m	kg							*3,030	*3,030	4.46
24.6ft	lb							*6,680	*6,680	(14.6)
6.0m	kg			*3,710	*3,710			*2,500	*2,500	5.92
19.7ft	lb			*8,180	*8,180			*5,510	*5,510	(19.4)
4.5m	kg			*4,190	3,950	*3,880	2,490	*2,320	2,030	6.74
14.8ft	lb			*9,240	8,710	*8,550	5,490	*5,110	4,480	(22.1)
3.0m	kg			*5,190	3,690	3,800	2,400	*2,300	1,800	7.15
9.8ft	lb			*11,440	8,140	8,380	5,290	*5,070	3,970	(23.5)
1.5m	kg			5,690	3,440	3,670	2,280	*2,410	1,730	7.23
4.9ft	lb			12,540	7,580	8,090	5,030	*5,310	3,810	(23.7)
0.0m	kg	*5,270	*5,270	5,520	3,290	3,590	2,210	*2,670	1,800	6.98
0.0ft	lb	*11,620	*11,620	12,170	7,250	7,910	4,870	*5,890	3,970	(22.9)
-1.5m	kg	*9,410	6,000	5,480	3,250	3,580	2,200	*3,220	2,050	6.37
-4.9ft	lb	*20,750	13,230	12,080	7,170	7,890	4,850	*7,100	4,520	(20.9)

4.71 m (15' 5") 2-Piece boom, 2.60 m (8' 6") arm equipped with Heavy counter weight, dozer down

1.0						Lift-poin	t radius					А	t max. reac	h
Lift-po		1.5m	(4.9ft)	3.0m	(9.8ft)	4.5m (14.8ft)	6.0m (19.7ft)	7.5m	(24.6ft)	Capa	acity	Reach
heigh m (ft		ŀ	₩		₩	b	₩	ď	₩	ŀ	₩	b	₩	m (ft)
7.5m	kg					*3,340	*3,340					*2,790	*2,790	4.70
24.6ft	lb					*7,360	*7,360					*6,150	*6,150	(15.4)
6.0m	kg					*3,560	*3,560	*2,730	2,520			*2,330	*2,330	6.10
19.7ft	lb					*7,850	*7,850	*6,020	5,560			*5,140	*5,140	(20.0)
4.5m	kg					*4,050	3,980	*3,770	2,510			*2,170	1,960	6.90
14.8ft	lb					*8,930	8,770	*8,310	5,530			*4,780	4,320	(22.6)
3.0m	kg			*7,450	6,900	*5,050	3,710	3,810	2,400			*2,150	1,750	7.30
9.8ft	lb			*16,420	15,210	*11130	8,180	8,400	5,290			*4,740	3,860	(23.9)
1.5m	kg					5,700	3,440	3,680	2,290			*2,250	1,680	7.37
4.9ft	lb					12,570	7,580	8,110	5,050			*4,960	3,700	(24.2)
0.0m	kg			*5,350	*5,350	5,510	3,280	3,580	2,200			*2,480	1,740	7.13
0.0ft	lb			*11,790	*11,790	12,150	7,230	7,890	4,850			*5,470	3,840	(23.4)
-1.5m	kg			*9,050	5,960	5,460	3,240	3,570	2,190			*2,970	1,970	6.53
-4.9ft	lb			*19,950	13,140	12,040	7,140	7,870	4,830			*6,550	4,340	(21.4)
-3.0m	kg					5,550	3,310							
-9.8ft	lb					12,240	7,300							

- Lifting capacity are based on ISO 10567.
 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.





HW140A 2-PIECE BOOM

4.71 m (15' 5") 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)

1.0				Lift-point	radius				At max. reach	
Lift-po		3.0m (9.8ft)	4.5m (14	4.8ft)	6.0m (19).7ft)	Capac	ity	Reach
heigh m (ft		b	₩	ď	₽	b	₩	b	₽	m (ft)
7.5m	kg							*4,800	*4,800	3.69
24.6ft	lb							*10,580	*10,580	(12.1)
6.0m	kg			*4,620	4,020			*3,790	2,970	5.37
19.7ft	lb			*10,190	8,860			*8,360	6,550	(17.6)
4.5m	kg	*6,360	*6,360	*5,090	3,900	*4,670	2,470	*3,500	2,280	6.26
14.8ft	lb	*14,020	*14,020	*11,220	8,600	*10,300	5,450	*7,720	5,030	(20.6)
3.0m	kg			*6,150	3,650	*4,980	2,390	*3,480	2,000	6.71
9.8ft	lb			*13,560	8,050	*10,980	5,270	*7,670	4,410	(22.0)
1.5m	kg			*7,160	3,430	*5,390	2,300	*3,670	1,920	6.79
4.9ft	lb			*15,790	7,560	*11,880	5,070	*8,090	4,230	(22.3)
0.0m	kg	*5,270	*5,270	*7,590	3,320	*5,560	2,240	*4,120	2,010	6.52
0.0ft	lb	*11,620	*11,620	*16,730	7,320	*12,260	4,940	*9,080	4,430	(21.4)
-1.5m	kg	*10,470	6,110	*7,220	3,320			*5,120	2,340	5.86
-4.9ft	lb	*23,080	13,470	*15,920	7,320			*11,290	5,160	(19.2)

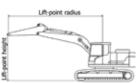
4.71 m (15' 5") 2-Piece boom, 2.45 m (8' 0") arm equipped with Heavy counter weight, dozer down, upper body towards dozer, max. hydraulic capacity(power boost)

1.0				Lift-point	radius			A	At max. reach	
Lift-po		3.0m (9	9.8ft)	4.5m (14	1.8ft)	6.0m (19).7ft)	Capaci	ty	Reach
heigh m (ft		ď	₩	b	₩	b	₽	b	₩	m (ft)
7.5m	kg							*3,320	*3,320	4.46
24.6ft	lb							*7,320	*7,320	(14.6)
6.0m	kg			*4,080	*4,080			*2,740	2,550	5.92
19.7ft	lb			*8,990	*8,990			*6,040	5,620	(19.4)
4.5m	kg			*4,610	3,950	*4,280	2,490	*2,550	2,030	6.74
14.8ft	lb			*10,160	8,710	*9,440	5,490	*5,620	4,480	(22.1)
3.0m	kg			*5,710	3,700	*4,690	2,400	*2,530	1,800	7.15
9.8ft	lb			*12,590	8,160	*10,340	5,290	*5,580	3,970	(23.5)
1.5m	kg			*6,850	3,440	*5,190	2,290	*2,650	1,730	7.23
4.9ft	lb			*15,100	7,580	*11,440	5,050	*5,840	3,810	(23.7)
0.0m	kg	*5,740	*5,740	*7,480	3,290	*5,500	2,210	*2,930	1,800	6.98
0.0ft	lb	*12,650	*12,650	*16,490	7,250	*12,130	4,870	*6,460	3,970	(22.9)
-1.5m	kg	*10,240	6,000	*7,370	3,260	*5,280	2,200	*3,530	2,050	6.37
-4.9ft	lb	*22,580	13,230	*16,250	7,190	*11,640	4,850	*7,780	4,520	(20.9)

4.71 m (15' 5") 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)

1.:0						Lift-poin	t radius					Д	t max. reac	h
Lift-pc		1.5m	(4.9ft)	3.0m	(9.8ft)	4.5m (14.8ft)	6.0m (19.7ft)	7.5m	(24.6ft)	Capa	acity	Reach
heigh m (f		b	₽	·	₽	b	₽	·	4	·	₩	b	₽	m (ft)
7.5m	kg					*3,650	*3,650					*3,050	*3,050	4.70
24.6ft	lb					*8,050	*8,050					*6,720	*6,720	(15.4)
6.0m	kg					*3,910	*3,910	*2,990	2,520			*2,550	2,440	6.10
19.7ft	lb					*8,620	*8,620	*6,590	5,560			*5,620	5,380	(20.0)
4.5m	kg					*4,460	3,980	*4,160	2,510			*2,380	1,960	6.90
14.8ft	lb					*9,830	8,770	*9,170	5,530			*5,250	4,320	(22.6)
3.0m	kg			*8,190	6,900	*5,560	3,720	*4,600	2,410			*2,370	1,750	7.30
9.8ft	lb			*18,060	15,210	*12,260	8,200	*10,140	5,310			*5,220	3,860	(23.9)
1.5m	kg					*6,740	3,450	*5,120	2,290			*2,470	1,680	7.37
4.9ft	lb					*14,860	7,610	*11,290	5,050			*5,450	3,700	(24.2)
0.0m	kg			*5,840	*5,840	*7,430	3,280	*5,470	2,210			*2,730	1,740	7.13
0.0ft	lb			*12,870	*12,870	*16,380	7,230	*12,060	4,870			*6,020	3,840	(23.4)
-1.5m	kg			*9,850	5,970	*7,410	3,240	*5,340	2,190			*3,260	1,970	6.53
-4.9ft	lb			*21,720	13,160	*16,340	7,140	*11,770	4,830			*7,190	4,340	(21.4)
-3.0m	kg					*6,340	3,320							
-9.8ft	lb					*13,980	7,320							

- Lifting capacity are based on ISO 10567.
 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)

• 0.50 (0.65)

0.61 (0.80)

0.52 (0.68)

0.58 (0.76)

0.65 (0.85)

0.71 (0.93)

5 (0.59)	◎ 0.55	(0.72
	0	

							Recommenda	tion mm (ft.in)	
Cap	acity	Wi	dth				STD	CWT	
m ³	(yd³)	mm	(in)	Weight	Tooth		4,600	(15' 1")	
				kg (lb)	EA		Mono	Boom	
SAE heaped	CECE heaped	Without side cutters	With side cutters			2,000 (6' 7") Arm	2,450 (8' 0") Arm	2,600 (8' 6") Arm	3,100 (10' 2") Arm
0.58 (0.76)	0.50 (0.65)	950 (37.4)	1,100 (43.7)	480 (1,060)	5	•		A	A
0.52 (0.68)	0.45 (0.59)	870 (34.3)	1,020 (40.2)	460 (1,010)	5	•			A
0.65 (0.85)	0.55 (0.72)	1,060 (41.7)	1,210 (47.6)	513 (1,130)	5		A	A	-
0.71 (0.93)	0.60 (0.78)	1,140 (44.9)	1,300 (51.2)	536 (1,180)	5	A	A	-	-
0.45 (0.59)	0.40 (0.52)	1,520 (59.8)	-	410 (900)	0	•	•	•	-
© 0.55 (0.72)	0.45 (0.59)	1,800 (70.9)	-	585 (1,290)	0	•		A	A
0.50 (0.65)	0.45 (0.59)	762 (30.0)	821 (32.3)	439 (970)	4	•	•		-
♠ 061 (080)	054 (071)	914 (360)	974 (383)	491 (1 080)	5		A	A	A

						Recommendation mm (ft.in)							
	acity	Wie	dth				Heav	y CWT			Heavy CWT		
m³ (yd³)		mm (in)		Weight kg (lb)	Tooth EA	4,600 (15' 1") Mono Boom				4,710 (15' 5") 2-Piece Boom			
SAE heaped	CECE heaped	Without side cutters	With side cutters			2,000 (6' 7") Arm	2,450 (8' 0'') Arm	2,600 (8' 6") Arm	3,100 (10' 2") Arm	2,000 (6' 7") Arm	2,450 (8' 0") Arm	2,600 (8' 6") Arm	
0.58 (0.76)	0.50 (0.65)	950 (37.4)	1,100 (43.7)	480 (1,060)	5	•	•		A	•	•		
0.52 (0.68)	0.45 (0.59)	870 (34.3)	1,020 (40.2)	460 (1,010)	5	•	•	0		•	•	•	
0.65 (0.85)	0.55 (0.72)	1,060 (41.7)	1,210 (47.6)	513 (1,130)	5	•			A	•	A	A	
0.71 (0.93)	0.60 (0.78)	1,140 (44.9)	1,300 (51.2)	536 (1,180)	5		•	A	-	•	A	A	
0.45 (0.59)	0.40 (0.52)	1,520 (59.8)	-	410 (900)	0	•	•	•	•	•	•	•	
© 0.55 (0.72)	0.45 (0.59)	1,800 (70.9)	-	585 (1,290)	0	•			A	0			
\$ 0.50 (0.65)	0.45 (0.59)	762 (30.0)	821 (32.3)	439 (970)	4	•	•	0		•	•	•	
\$ 0.61 (0.80)	0.54 (0.71)	914 (36.0)	974 (38.3)	491 (1,080)	5	•			A	•	•		

- Ditching bucket
- Slope finishing bucket
- ♦ Hammerless tooth bucket

- : Applicable for materials with density of 2,100 kgf/m³ (3,500 lbf/yd³) or less
- O : 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

 A : 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.

DIGGII	NG FO	RCE								
Boom	Length	mm (ft.in)		4,600 (15'	1") Mono		4,	710 (15' 5") 2-Pie	ce	
Arm	Length	mm (ft.in)	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")	Remark
	SAE kg	kN	88[96]	88[96]	88[96]	88[96]	88[96]	88[96]	88[96]	[]: Power Boost
		kgf	8,957[9,770]	8,961[9,780]	8,961[9,780]]	8,956[9,770]	8,957[9,770]	8,961[9,780]	8,961[9,780]	
Bucket		lbf	19,750[21,540]	19,760[21,560]	19,760[21,560]	19,750[21,540]	19,750[21,540]	19,760[21,560]	19,760[21,560]	
digging force		kN	103[112]	103[112]	103[112]	103[112]	103[112]	103[112]	103[112]	
	ISO	kgf	10,489[11,440]	10,494[11,450]	10,494[11,450]	10,489[11,440]	10,489[11,440]	10,494[11,450]	10,494[11,450]	
		lbf	23,130[25,220]	23,140[25,240]	23,140[25,240]	23,120[25,220]	23,130[25,220]	23,140[25,240]	23,140[25,240]	
		kN	74[81]	64[69]	61[67]	55[60]	74[81]	64[70]	61[67]	
	SAE	kgf	7,569[8,260]	6,485[7,070]	6,230[6,800]	5,579[6,090]	7,569[8,260]	6,485[7,070]	6,230[6,800]	
Arm	wd	lbf	16,690[18,120]	14,300[15,590]	13,740[14,990]	12,300[13,430]	16,690[18,210]	14,300[15,590]	13,740[14,990]	
crowd force		kN	78[85]	66[72]	64[69]	57[62]	78[85]	66[72]	64[69]	
	ISO	kgf	7,942[8,660]	6,764[7,380]	6,486[7,080]	5,782[6,310]	7,942[8,660]	6,764[7,380]	6,486[7,080]	
		lbf	17,510[19,090]	14,910[16,270]	14,300[15,610]	12,750[13,910]	17,510[19,090]	14,910[16,270]	14,300[15,610]	

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

STANDARD / OPTION

Cummins B4.5 engine HYDRAULIC SYSTEM Advanced Load Sensing (LUI Power mode(P, S, E), Work m Pressure Boost Function Attachment Flow Control 3 attachment Flow Control 3 attachment control modes Engine Auto Idle Engine Auto Shutdown Control 20 km/h speed limit 35 km/h speed limit Hyundai Bio Hydraulic Oil (HI CAB & INTERIOR ISO Standard cabin Parallel type windshield wipe Radio / USB player Handsfree mobile phone sys 12 volt power outlet (24V DC Electric horn All-weather steel cab with 36 Safety glass - Tempered glass	rol BHO) er tem with USB to 12V DC converter)		•
Advanced Load Sensing (LUI Power mode(P, S, E), Work m Pressure Boost Function Attachment Flow Control 3 attachment control modes Engine Auto Idle Engine Auto Shutdown Control 20 km/h speed limit 35 km/h speed limit Hyundai Bio Hydraulic Oil (HI CAB & INTERIOR ISO Standard cabin Parallel type windshield wipe Radio / USB player Handsfree mobile phone sys 12 volt power outlet (24V DC Electric horn All-weather steel cab with 36	rol BHO) er tem with USB to 12V DC converter)	•	•
Power mode(P, S, E), Work m Pressure Boost Function Attachment Flow Control 3 attachment control modes Engine Auto Idle Engine Auto Shutdown Control 20 km/h speed limit 35 km/h speed limit Hyundai Bio Hydraulic Oil (HI CAB & INTERIOR ISO Standard cabin Parallel type windshield wipe Radio / USB player Handsfree mobile phone sys 12 volt power outlet (24V DC Electric horn All-weather steel cab with 36	rol BHO) er tem with USB to 12V DC converter)	•	•
Pressure Boost Function Attachment Flow Control 3 attachment control modes Engine Auto Idle Engine Auto Shutdown Control 20 km/h speed limit 35 km/h speed limit Hyundai Bio Hydraulic Oil (HI CAB & INTERIOR ISO Standard cabin Parallel type windshield wipe Radio / USB player Handsfree mobile phone sys 12 volt power outlet (24V DC Electric horn All-weather steel cab with 36	(Push / Detent / Prop.) rol BHO) er tem with USB to 12V DC converter)	•	•
Attachment Flow Control 3 attachment control modes Engine Auto Idle Engine Auto Shutdown Control 20 km/h speed limit 35 km/h speed limit Hyundai Bio Hydraulic Oil (HI CAB & INTERIOR ISO Standard cabin Parallel type windshield wipe Radio / USB player Handsfree mobile phone sys 12 volt power outlet (24V DC Electric horn All-weather steel cab with 36	rol BHO) er tem with USB to 12V DC converter)	•	•
3 attachment control modes Engine Auto Idle Engine Auto Shutdown Conti Electronic Fan Control 20 km/h speed limit 35 km/h speed limit Hyundai Bio Hydraulic Oil (HI CAB & INTERIOR ISO Standard cabin Parallel type windshield wipe Radio / USB player Handsfree mobile phone sys 12 volt power outlet (24V DC Electric horn All-weather steel cab with 36	rol BHO) er tem with USB to 12V DC converter)	•	•
Engine Auto Idle Engine Auto Shutdown Conti Electronic Fan Control 20 km/h speed limit 35 km/h speed limit Hyundai Bio Hydraulic Oil (HI CAB & INTERIOR ISO Standard cabin Parallel type windshield wipe Radio / USB player Handsfree mobile phone sys 12 volt power outlet (24V DC Electric horn All-weather steel cab with 36	rol BHO) er tem with USB to 12V DC converter)	•	•
Electronic Fan Control 20 km/h speed limit 35 km/h speed limit Hyundai Bio Hydraulic Oil (HI CAB & INTERIOR ISO Standard cabin Parallel type windshield wipe Radio / USB player Handsfree mobile phone sys 12 volt power outlet (24V DC Electric horn All-weather steel cab with 36	er tem with USB to 12V DC converter)	•	•
20 km/h speed limit 35 km/h speed limit Hyundai Bio Hydraulic Oil (HE CAB & INTERIOR ISO Standard cabin Parallel type windshield wipe Radio / USB player Handsfree mobile phone sys 12 volt power outlet (24V DC Electric horn All-weather steel cab with 36	er tem with USB to 12V DC converter)	•	•
35 km/h speed limit Hyundai Bio Hydraulic Oil (HI CAB & INTERIOR ISO Standard cabin Parallel type windshield wipe Radio / USB player Handsfree mobile phone sys 12 volt power outlet (24V DC Electric horn All-weather steel cab with 36	er tem with USB to 12V DC converter)	•	•
Hyundai Bio Hydraulic Oil (HECAB & INTERIOR ISO Standard cabin Parallel type windshield wipe Radio / USB player Handsfree mobile phone sys 12 volt power outlet (24V DC Electric horn All-weather steel cab with 36	er tem with USB to 12V DC converter)	•	•
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12 volt power outlet (24V DC Electric horn All-weather steel cab with 36	to 12V DC converter)	•	
Electric horn All-weather steel cab with 36		•	
All-weather steel cab with 36			
		•	
Jaiety glass Tellipeleu glas	· · · · · · · · · · · · · · · · · · ·	•	
Safety glass windows	3 With Horit laminated glass	•	
Sliding fold-in front window		•	
Sliding side window(LH)		•	
Lockable door		•	
Hot & cool box		•	
Storage compartment Transparent cabin roof-cove	r	-	
Sun visor	'	•	
Door and cab locks, one key		•	
Pilot-operated slidable joystic	:k	•	
Console box height adjust sy	stem	•	
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/	A cool	•	
Engine coolant temperature		•	_
Max power	gaage	•	
Creep speed/Low speed/High	speed	•	
Auto idle		•	
Overload warning with alarm	1	•	
Check Engine Air pre-cleaner		•	•
Air cleaner clogging		•	
ECO Gauges		•	
Fuel level gauge		•	
Hyd. oil temperature gauge		•	
Warnings	•	•	
Communication error indicat	ion	•	
Clock		•	
Cabin lights - Halogen			•
Cabin lights - LED			•
Cabin front window rain gua	rd		•
Seat	haatar		
Mechanical suspension with Adjustable air suspension with		•	_
Operator Protective Structur			
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 St	tructure)	•	

SAFETY	STD	O
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		
4.60 m, 15' 1" Mono	•	-
4.71 m, 15' 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	•	
Mobile		
Hi MATE (Remote Management System) Satellite		
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 Streering		
Tool kit	İ	
Auto cruiser system	•	
Lower Frame Toolbox - LH		
Lower Frame Toolbox - LH, RH		
JNDERCARRIAGE		
Rear dozer blade	•	
Rear outrigger		
Front outrigger and rear blade		
Front blade and rear outrigger		
Front blade and rear outrigger		
Front blade and rear outrigger Front and rear outrigger		
Front blade and rear outrigger Front and rear outrigger Front and rear blade Front grapple rest 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 blade and rear outrigger Front and rear outrigger Front and rear blade Front grapple rest and rear blade Front grapple rest and rear outrigger Tires- dual (9.00-20-14PR tube)	•	
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 Tires- dual (9.00-20-14PR tube) Tires- dual (9.00-20 solid)	•	
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 Tires- dual (9.00-20-14PR tube) Tires- dual (9.00-20 solid) Tires- dual (10.00-20-14PR tube)	•	
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 Tires- dual (9.00-20-14PR tube) Tires- dual (9.00-20 solid) Tires- dual (10.00-20-14PR tube) Trailer hitch for rear dozer 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 Tires- dual (9.00-20-14PR tube) Tires- dual (9.00-20 solid) Tires- dual (10.00-20-14PR tube)	•	

^{*} 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.

ИЕМО	MEMO