

MOVING YOU FURTHER

HW140

With Tier 4 final / Stage IV Engine installed



*Photo may include optional equipment.

Net Power

SAE J1349 / 111 kW (149 HP) at 2,150 rpm

Gross Power

SAE J1995 / 117 kW (157 HP) at 2,150 rpm

Travel Speed

39 km/h (24.1 mph)

Operating Weight

13,880 kg (30,600 lb)



RULE THE GROUND

The HW Series excavators are products of HHI's spirit of initiative, creativity and strong drive. HHI's engineers, who are the best in the industry, have worked tirelessly to offer a zero-defect product. The new HW Series reflects customers' needs in the field gleaned by thorough monitoring. They maximize fuel efficiency and performance proven by rigorous field tests and quality control.



*Photo may include optional equipment.

RULE THE GROUND

The HW series exceeds customers' expectation!
Become a true leader on the ground with HHI's HW series.

HW140



WORK MAX, WORTH MAX

- ECO Gauge
- IPC (Intelligent Power Control)
- New Variable Power Control
- Electronic Viscous Fan Clutch
- Attachment Flow Control (Option)
- New Cooling System with Increased Air Flow
- Enlarged Air Inlet with Grill Cover
- Cycle Time Improvement



MORE RELIABLE, MORE SUSTAINABLE

- Durable Cooling Module
- Reinforced Pin, Bush and Polymer Shim
- Reinforced Durability of Upper and Lower Structure and Attachments
- Wear Resistant Cover Plate
- Hi-grade (High-pressure) Hoses



INFOTAINMENT FRONTIER

- Intelligent and Wide Cluster
- Haptic Control
- Wi-Fi Direct with Smart Phone (Miracast)
- Proportional Auxiliary Hydraulic System
- New Audio System
- New Air Conditioning System



MODERN COMFORT, SIMPLE AND SAFE SOLUTION

- AAVM (Advanced Around View Monitoring) Camera System (Option)
- Easy Access to DEF/AdBlue® Supply System
- Hi MATE (Remote Management System)
- Viscous Suspension Mount
- Swing Lock System (Option)
- Fine Swing Control (Option)



*Photo may include optional equipment.



*Photo may include optional equipment.



Cycle Time Improvement

The HW Series provides higher productivity on the site by faster operation: it loads trucks up to 3% faster and levels up to 2% faster than the 9 Series.

WORK MAX, WORTH MAX

Fuel Efficient System, Allows Great Performance

The HW Series has an ECO-friendly, high-performance engine which ensures both excellent fuel efficiency and high power. With outstanding operating performance proven by rigorous tests at various work sites, it will satisfy any customer's needs.



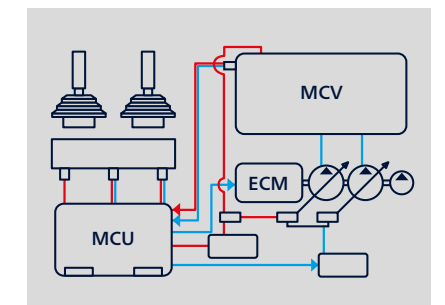
ECO Colored Gauge

ECO Gauge enable economic operation of machines. The gauge level and color displays engine torque and fuel efficiency level. On top of that, the status of fuel consumption such as average rate and the total amount of fuel consumed are displayed. Hourly and daily based fuel consumption can be checked in the detailed menu as well.



IPC (Intelligent Power Control)

The IPC controls power control depending on work environments. Its mode can be selected and released on the monitor. On the excavation mode, pump flow can be easily controlled by a switch valve, reducing fuel consumption.



New Variable Power Control

The HW Series minimizes equipment input and output control signals to improve fuel efficiency. Its three-stage Power mode ensures the highest performance in any operating environment.

- * P (power) mode: Maximizes speed and power of the equipment for heavy load work.
- * S (standard) mode: Optimizes performance and fuel efficiency of the equipment for general load work.
- * E (economy) mode: Improves the control system for light load work.



Attachment Flow Control

The HW Series improves pump flow rate by independent control of two pumps. It optimizes attachments for effective flow rate setting depending on attachments (ten breaker types and ten crusher types), enabling various operations matching the site environments.

Electronic Viscous Fan Clutch

The electronic fan clutch reduces noise during operation by precisely controlling RPM depending on the hydraulic oil and coolant temperature of the working vehicle, and minimizes fuel consumption. It is also possible to shorten the warm up time of hydraulic oil.

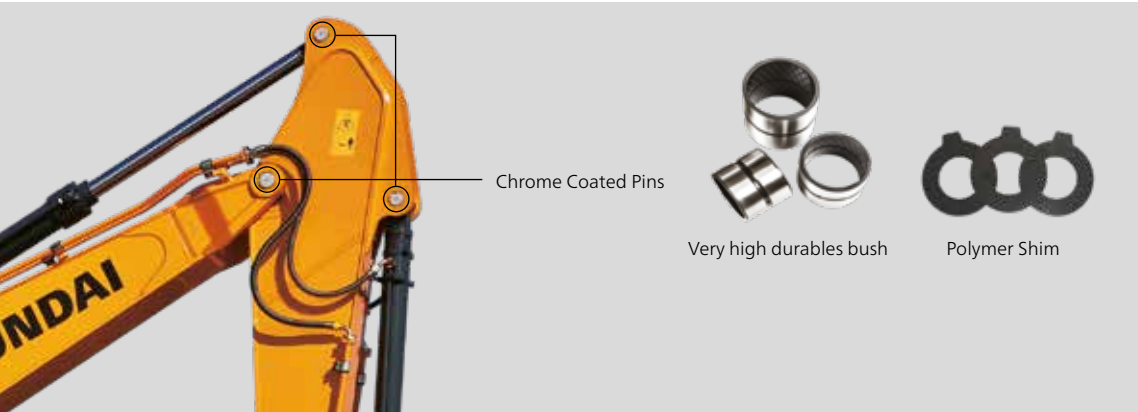
Enlarged Air Inlet with Grill Cover

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

MORE RELIABLE, MORE SUSTAINABLE

New Exterior Design for Robustness and Safety

The true value of the HW Series lies in its durability. The robust upper and lower frame structure that can endure external shock and high-load work and the attachments whose performance was proven by rigorous tests further show the real value of the HW Series in tough working environments and promise higher productivity.



Reinforced Pin, Bush and Polymer Shim

The HW 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.



Durable Cooling Module

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



Reinforced Durability of Upper and Lower Structure and Attachments

The upper and lower structure and attachments of the HW Series have higher durability than demanded on the site, as proven through numerous tests including road tests and virtual simulation. The wear resistance of the bucket has been improved by use of new material.



*Photo may include optional equipment.



Hi-grade (High-pressure) Hoses

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



*Photo may include optional equipment.

New Air Conditioning System

With further improved air conditioning and heating, the HW 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.

INFOTAINMENT FRONTIER

Enhanced Instrument Panel for Easier Monitoring

Many electronic functions are concentrated on the most convenient spot for operators to ensure work efficiency. The highly-advanced infotainment system, a product of HHI's intensive information technology, enables both productivity and pleasant work at the same time! The HW Series of HHI provides higher value and pleasure to customers.



Intelligent and Wide Cluster

The 8-inch capacitive-type display (like smartphone display) of the HW Series is 30% larger than the previous model, delivering excellent legibility. The centralized switches on the display allow convenience of checking the urea level and temperature outside the cabin. The audio AUX, air conditioner, heater interoperation, wiper, lamps, overload warnings, travel alarm and inclination sensor also maximize operator's convenience.



Haptic Control

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



New 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.

Wi-Fi Direct with Smart Phone (Miracast)

The Miracast system based on Wi-Fi of the operator's smart phone enables easy and convenient use of various features of the smart phone on the big screen including navigation, web surfing, viewing of videos, and listening to music. (For Android mobile phone now)



Proportional Auxiliary Hydraulic System

- Opt: Proportional control switch for better speed control
- Enlarge the operation convenience

MODERN COMFORT, SIMPLE AND SAFE SOLUTION

New Cabin for More Comfort

Low noise, low vibration, and ergonomic design make the cabin space more comfortable and pleasant! With focus on safety and convenience of operators, the HW Series allows rapid and safe equipment inspection anytime and anywhere, providing an optimal environment for operators to work.



AAVM (Advanced Around View Monitoring) Camera System (Option)

The HW 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, 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).



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 overflow is given by a red lamp signal. The DEF/AdBlue® supply module is attached on the side of the fuel tank for easy maintenance and filter replacement.



Hi MATE (Remote Management System)

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

* Operation of the system may be affected by the condition of telecommunication signal



*Photo may include optional equipment.

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)

Fine swing control is available for customer's convenience when users want to control fine swing.

SPECIFICATIONS

ENGINE				
Maker / Model			Cummins QSB6.7	
Type			Water-cooled, 4-cycle diesel, 6-cylinder in-line, Direct injection, Turbocharged, Charge air cooled, Low emission	
Rated flywheel horse power	SAE	J1995 (gross)	117 kW (157 HP) at 2,150 rpm	
		J1349 (net)	111 kW (149 HP) at 2,150 rpm	
	DIN	6271/1 (gross)	117 kW (159 PS) at 2,150 rpm	
		6271/1 (net)	111 kW (151 PS) at 2,150 rpm	
Max. torque			68.6 kgf-m (496 lbf-ft) at 1,500 rpm	
Bore x stroke			107 x 124 mm (4.21" x 4.88")	
Piston displacement			6,700 cc (409 cu in)	
Batteries			2 x 12 V x 100 Ah	
Starting motor			24 V - 4.8 kW	
Alternator			24 V - 95 A	

HYDRAULIC SYSTEM	
MAIN PUMP	
Type	Two variable displacement piston pumps
Max. flow	2 x 168 ℓ/min (44.4 US gpm/ 37.0 UK gpm)
Sub-pump for pilot circuit	Gear pump

Cross-sensing and fuel saving pump system

HYDRAULIC MOTORS	
Travel	Bent - axis pistons motor with brake valve and parking brake
Swing	Axial piston motor with automatic brake

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)
Swing circuit	285 kgf/cm² (4,050 psi)
Pilot circuit	40 kgf/cm² (570 psi)
Service valve	Installed

HYDRAULIC CYLINDERS	
No. of cylinder bore x stroke	Boom: 2-105 x 1,075 mm (4.1" x 42.3")
	Arm: 1-115 x 1,138 mm (4.5" x 46.8")
	Bucket: 1-100 x 850 mm (3.9" x 33.1")
	Dozer Blade: 2-100 x 236 mm (3.9" x 9.3")
	Outrigger: 2-110 x 446 mm (4.9" x 18.7")
	2-Piece Boom: 2-105 x 975 mm (4.1" x 38.4")
Adjust (boom): 1-145 x 613 mm (5.7" x 24.1")	








DRIVES & BRAKES	
4-wheel hydrostatic drive. Constant mesh, helical gear transmission provides 2 forward and reverse travel speeds.	
Max. drawbar pull	8,500 kgf (18,740 lbf)
Travel speed	1st 10 km/h
	2nd 39 km/h
Gradeability	35° (70 %)
Parking brake : Independent dual brake, front and rear axle full hydraulic power brake. - Spring released and hydraulic applied wet type multiple disk brake. - Transmission is locked at neutral position for parking, automatically.	

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)

BUCKET SELECTION GUIDE & DIGGING FORCE

BUCKETS

All buckets are welded with high-strength steel.

	SAE heaped m³ (yd³)		0.23 (0.30)		0.40 (0.52) 0.46 (0.60)		0.52 (0.68) 0.58 (0.76)		0.65 (0.85)		0.71 (0.93)		⊙ 0.55 (0.72)		■ 0.45 (0.59)

Capacity m² (yd³)		Width mm (in)		Weight kg (lb)	Recommendation m (ft.in)							
					4.6 (15' 1") Mono-boom				4.9 (16' 1") 2-Piece boom			
					1.9 (6' 3") Arm	2.1 (6' 11") Arm	2.5 (8' 2") Arm	3.0 (9' 10") Arm	1.9 (6' 3") Arm	2.1 (6' 11") Arm	2.5 (8' 2") Arm	
SAE heaped	CECE heaped	Without side cutters	With side cutters									
0.23 (0.30)	0.20 (0.26)	520 (20.5)	620 (24.4)	335 (740)	●	●	●	●	●	●	●	
0.40 (0.52)	0.35 (0.46)	750 (29.5)	850 (33.5)	410 (900)	●	●	●	●	●	●	●	
0.46 (0.60)	0.40 (0.52)	840 (33.1)	940 (37.0)	435 (960)	●	●	●	■	●	●	■	
0.52 (0.68)	0.45 (0.59)	915 (36.0)	1,015 (40.0)	460 (1,010)	●	●	■	▲	●	■	■	
0.58 (0.76)	0.50 (0.65)	1,000 (39.4)	1,100 (43.3)	480 (1,060)	●	■	■	▲	■	▲	▲	
0.65 (0.85)	0.55 (0.72)	1,105 (43.5)	1,205 (47.4)	500 (1,100)	■	▲	▲	-	▲	▲	-	
0.71 (0.93)	0.60 (0.78)	1,190 (46.9)	1,290 (50.8)	540 (1,190)	▲	▲	-	-	▲	-	-	
■ 0.45 (0.59)	0.40 (0.52)	1,520 (59.8)	-	410 (900)	●	●	■	-	■	■	▲	
⊙ 0.55 (0.72)	0.45 (0.59)	1,800 (70.9)	-	585 (1,290)	■	▲	▲	-	■	▲	▲	

- Ditching bucket
⊙ Slope finishing bucket
- : Applicable for materials with density of 2,000 kg /m³ (3,370 lb/ yd³) or less
■ : Applicable for materials with density of 1,600 kg /m³ (2,700 lb/ yd³) or less
▲ : Applicable for materials with density of 1,100 kg /m³ (1,850 lb/ yd³) or less

ATTACHMENT

Booms and arms are welded with a low-stress, full-box section design.
4.6 m (15' 1") Mono-boom and 4.9 m (16' 1") 2-Piece boom and 1.9 m (6' 3"); 2.1 m (6' 11"); 2.5 m (8' 2") & 3.0 m (9' 10") Arms are available.

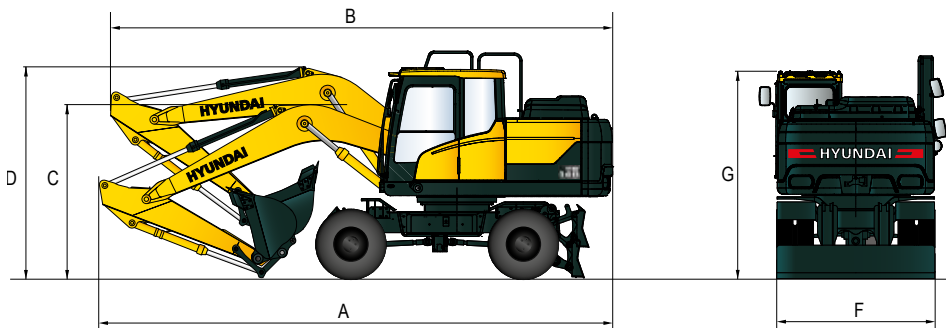
DIGGING FORCE							
Arm	Length	mm (ft.in)	1,900 (6' 3")	2,100 (6' 11")	2,500 (8' 2")	3,000 (9' 10")	Remarks:
	Weight	kg (lb)	560 (1,230)	580 (1,280)	610 (1,340)	670 (1,480)	
Bucket digging force	SAE	kN	87.3 [94.8]	87.3 [94.8]	87.3 [94.8]	87.3 [94.8]	[] : Power Boost
		kgf	8,900 [9,660]	8,900 [9,660]	8,900 [9,660]	8,900 [9,660]	
		lbf	19,620 [21,300]	19,620 [21,300]	19,620 [21,300]	19,620 [21,300]	
	ISO	kN	102 [110.8]	102 [110.8]	102 [110.8]	102 [110.8]	
		kgf	10,400 [11,290]	10,400 [11,290]	10,400 [11,290]	10,400 [11,290]	
		lbf	22,930 [24,890]	22,930 [24,890]	22,930 [24,890]	22,930 [24,890]	
Arm crowd force	SAE	kN	76.5 [83.1]	73.6 [79.9]	62.8 [68.2]	55.9 [60.7]	
		kgf	7,800 [8,470]	7,500 [8,140]	6,400 [6,950]	5,700 [6,190]	
		lbf	17,200 [18,670]	16,530 [17,950]	14,110 [15,320]	12,570 [13,640]	
	ISO	kN	80.4 [87.3]	77.5 [84.1]	65.7 [71.4]	57.9 [62.8]	
		kgf	8,200 [8,900]	7,900 [8,580]	6,700 [7,270]	5,900 [6,410]	
		lbf	18,080 [19,630]	17,420 [18,910]	14,770 [16,040]	13,010 [14,120]	

Note : Arm weight includes bucket cylinder, linkage and pin

DIMENSIONS & WORKING RANGE

HW140 MONO BOOM DIMENSIONS

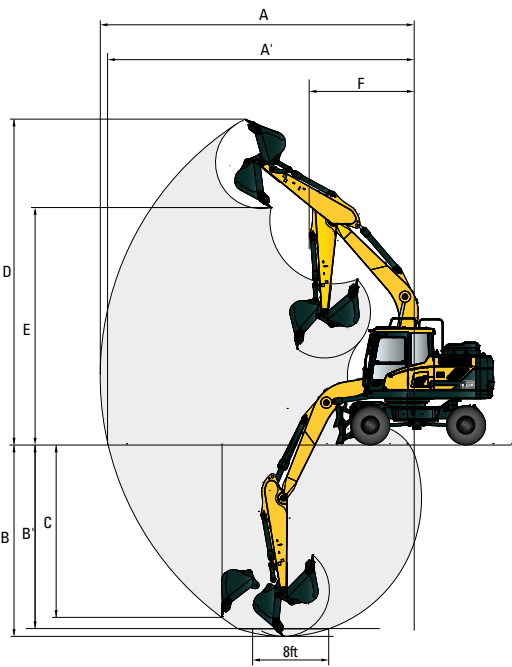
4.6 m (15' 1") Mono-boom and 1.9 m (6' 3"), 2.1 m (6' 11"), 2.5 m (8' 2") & 3.0 m (9' 10") Arm, Front outrigger and rear dozer blade.



Unit : mm (ft-in)

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

HW140 MONO BOOM WORKING RANGE



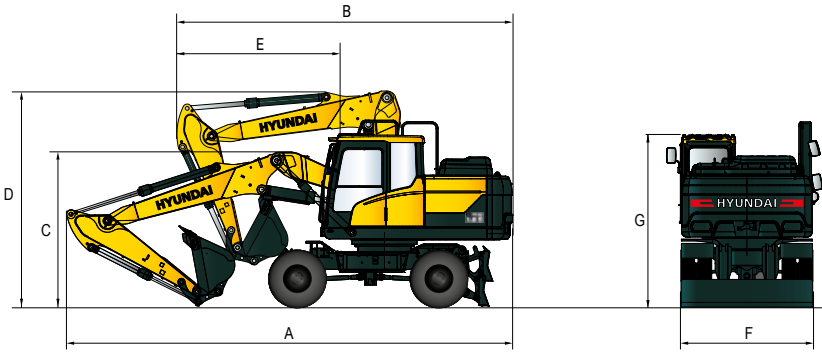
Unit : mm (ft-in)

Boom length	4,600 (15' 1") Mono-boom			
Arm length	1,900 (6' 3")	2,100 (6' 11")	2,500 (8' 2")	3,000 (9' 10")
A Max. digging reach	7,750 (25' 5")	8,140 (26' 8")	8,320 (27' 4")	8,780 (28' 10")
A' Max. digging reach on ground	7,530 (24' 8")	7,700 (25' 3")	8,120 (26' 8")	8,590 (28' 2")
B Max. digging depth	4,650 (15' 3")	4,810 (15' 9")	5,250 (17' 3")	5,750 (18' 10")
B' Max. digging depth (8' level)	4,390 (14' 5")	4,600 (15' 1")	5,040 (16' 6")	5,570 (18' 3")
C Max. vertical wall digging depth	4,350 (14' 3")	4,190 (13' 9")	5,030 (16' 6")	5,550 (18' 3")
D Max. digging height	8,400 (27' 7")	8,470 (27' 9")	8,790 (28' 10")	9,070 (29' 9")
E Max. dumping height	5,960 (19' 7")	6,040 (19' 10")	6,350 (20' 10")	6,620 (21' 9")
F Min. front swing radius	2,620 (8' 7")	2,670 (8' 10")	2,650 (8' 8")	2,670 (8' 9")

DIMENSIONS & WORKING RANGE

HW140 2-PIECE BOOM DIMENSIONS

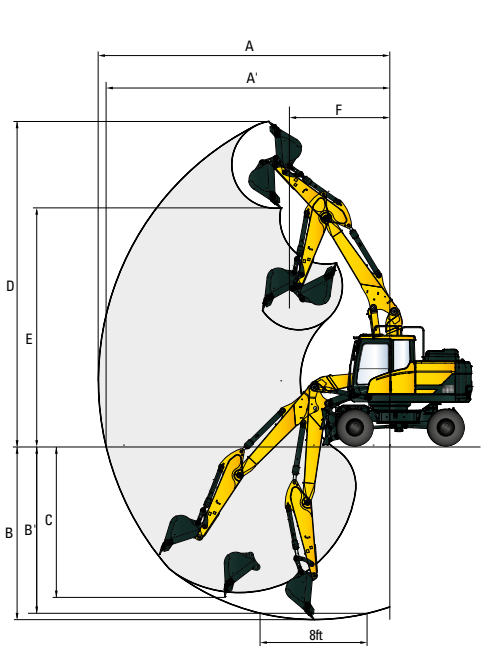
4.9 m (16' 1") 2-Piece boom and 1.9 m (6' 3"), 2.1 m (6' 11") & 2.5 m (8' 2") Arm, Front outrigger and rear dozer blade.



Unit : mm (ft-in)

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

HW140 2-PIECE BOOM WORKING RANGE

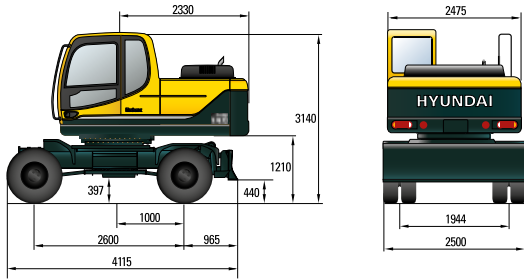


Unit : mm (ft-in)

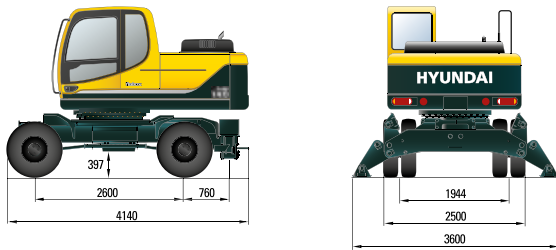
Boom length	4,900 (16' 1") 2-Piece boom		
Arm length	1,900 (6' 3")	2,100 (6' 11")	2,500 (8' 2")
A Max. digging reach	8,140 (26' 8")	8,310 (27' 3")	8,720 (28' 7")
A' Max. digging reach on ground	7,930 (26' 0")	8,110 (26' 7")	8,530 (28' 0")
B Max. digging depth	4,810 (15' 9")	5,010 (16' 5")	5,410 (17' 9")
B' Max. digging depth (8' level)	4,700 (15' 5")	4,890 (16' 1")	5,310 (17' 5")
C Max. vertical wall digging depth	4,190 (13' 9")	4,360 (14' 4")	4,820 (15' 10")
D Max. digging height	9,100 (29' 10")	9,180 (30' 1")	9,560 (31' 4")
E Max. dumping height	6,620 (21' 9")	6,700 (22' 0")	7,070 (23' 2")
F Min. front swing radius	2,660 (8' 9")	2,820 (9' 3")	2,690 (8' 10")

UNDERCARRIAGE

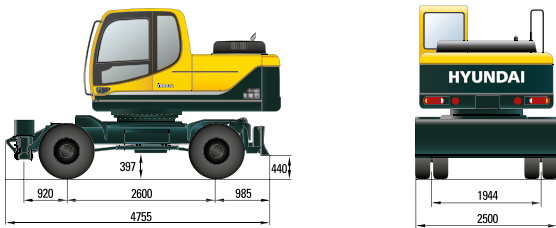
HW140 WITH REAR DOZER



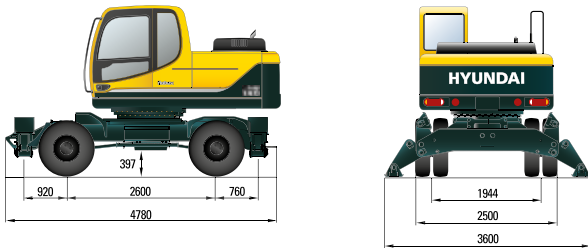
HW140 WITH REAR OUTRIGGER



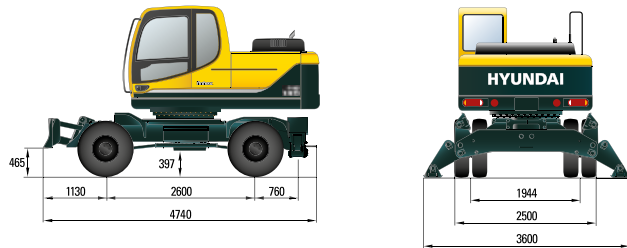
HW140 WITH REAR DOZER AND FRONT OUTRIGGER



HW140 WITH REAR AND FRONT OUTRIGGER



HW140 WITH REAR OUTRIGGER AND FRONT DOZER













LIFTING CAPACITY











Rating over-front Rating over-side or 360 degrees

HW140 MONO-BOOM











Boom: 4.6 m (15' 1") / Arm: 1.9 m (6' 3") / Bucket: 0.58 m³ (0.76 yd³) SAE heaped / Rear dozer blade down and 1.700 kg counterweight

Load point height m (ft)		Load radius								At max. reach		
		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		Capacity		Reach
												m (ft)
6.0 m (20 ft)	kg					*3370	*3370			*3200	2030	6.22
	lb					*7430	*7430			*7050	4480	(20.4)
4.5 m (15 ft)	kg					*3760	3480	*2830	2080	*3310	1570	7.05
	lb					*8290	7670	*6240	4590	*7300	3460	(23.1)
3.0 m (10 ft)	kg			*7100	6280	*4730	3260	*3920	2010	3320	1380	7.42
	lb			*15650	13850	*10430	7190	*8640	4430	7320	3040	(24.3)
1.5 m (5 ft)	kg			*7600	5620	*5760	3020	*4350	1910	3270	1340	7.42
	lb			*16760	12390	*12700	6660	*9590	4210	7210	2950	(24.3)
Ground Line	kg			*8980	5460	*6340	2880	4580	1850	3530	1450	7.06
	lb			*19800	12040	*13980	6350	10100	4080	7780	3200	(23.2)
-1.5 m (-5 ft)	kg	*7730	*7730	*9450	5500	*6250	2850			*3860	1790	6.24
	lb	*17040	*17040	*20830	12130	*13780	6280			*8510	3950	(20.5)
-3.0 m (-10 ft)	kg			*7740	5680							
	lb			*17060	12520							

Boom: 4.6 m (15' 1") / Arm: 1.9 m (6' 3") / Bucket: 0.58 m³ (0.76 yd³) SAE heaped / Rear dozer blade down and 1.700 kg counterweight

Load point height m (ft)		Load radius								At max. reach		
		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		Capacity		Reach
												m (ft)
6.0 m (20 ft)	kg					*3370	3090			*3200	1740	6.22
	lb					*7430	6810			*7050	3840	(20.4)
4.5 m (15 ft)	kg					*3760	3000	*2830	1770	2650	1330	7.05
	lb					*8290	6610	*6240	3900	5840	2930	(23.1)
3.0 m (10 ft)	kg			*7100	5250	*4730	2780	3400	1700	2380	1160	7.42
	lb			*15650	11570	*10430	6130	7500	3750	5250	2560	(24.3)
1.5 m (5 ft)	kg			*7600	4630	5300	2550	3290	1610	2340	1120	7.42
	lb			*16760	10210	11680	5620	7250	3550	5160	2470	(24.3)
Ground Line	kg			*8980	4490	5140	2410	3220	1550	2520	1210	7.06
	lb			*19800	9900	11330	5310	7100	3420	5560	2670	(23.2)
-1.5 m (-5 ft)	kg	*7730	*7730	*9450	4520	5110	2390			3090	1510	6.24
	lb	*17040	*17040	*20830	9960	11270	5270			6810	3330	(20.5)
-3.0 m (-10 ft)	kg			*7740	4690							
	lb			*17060	10340							

Boom: 4.6 m (15' 1") / Arm: 2.1 m (6' 11") / Bucket: 0.58 m³ (0.76 yd³) SAE heaped / Rear dozer blade down and 1.700 kg counterweight

Load point height m (ft)		Load radius								At max. reach		
		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		Capacity		Reach
												m (ft)
6.0 m (20 ft)	kg					*3150	*3150			*3050	1910	6.43
	lb					*6940	*6940			*6720	4210	(21.1)
4.5 m (15 ft)	kg					*3550	3490	*3190	2080	*3170	1490	7.23
	lb					*7830	7690	*7030	4590	*6990	3280	(23.7)
3.0 m (10 ft)	kg			*6650	6320	*4530	3250	*3780	1990	3180	1310	7.59
	lb			*14660	13930	*9990	7170	*8330	4390	7010	2890	(24.9)
1.5 m (5 ft)	kg			*8620	5600	*5590	2990	*4240	1890	3130	1270	7.59
	lb			*19000	12350	*12320	6590	*9350	4170	6900	2800	(24.9)
Ground Line	kg			*9100	5390	*6240	2830	4540	1810	3360	1360	7.24
	lb			*20060	11880	*13760	6240	10010	3990	7410	3000	(23.8)
-1.5 m (-5 ft)	kg	*7420	*7420	*9520	5400	*6240	2790			*3770	1660	6.45
	lb	*16360	*16360	*20990	11900	*13760	6150			*8310	3660	(21.2)
-3.0 m (-10 ft)	kg	*11760	*11760	*7980	5570	*5230	2880					
	lb	*25930	*25930	*17590	12280	*11530	6350					











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

LIFTING CAPACITY











Rating over-front Rating over-side or 360 degrees

HW140 MONO BOOM











Boom: 4.6 m (15' 1") / Arm: 2.1 m (6' 11") / Bucket: 0.58 m³ (0.76 yd³) SAE heaped / Rear dozer blade down and 1.700 kg counterweight

Load point height m (ft)		Load radius								At max. reach		
		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		Capacity		Reach
												m (ft)
6.0 m (20 ft)	kg lb					*3150 *6940	3310 6860			*3050 *6720	1630 3590	6.43 (21.3)
4.5 m (15 ft)	kg lb					*3550 *7830	3000 6610	*3190 *7030	1770 3990	*2530 *5580	1250 2760	7.23 (23.7)
3.0 m (10 ft)	kg lb			*6650 *14660	5280 11640	*4530 *9990	2770 6110	3390 7470	1690 3730	2270 5000	1090 2400	7.59 (24.9)
1.5 m (5 ft)	kg lb			*8620 *19000	4620 10190	5270 11620	2520 5560	3270 7210	1590 3510	2230 4920	1050 2310	7.59 (24.9)
Ground Line	kg lb			*9100 *20060	4410 9720	5090 11220	2370 5220	3180 7010	1510 3330	2390 5270	1130 2490	7.24 (23.8)
-1.5 m (-5 ft)	kg lb	*7420 *16360	*7420 *16360	*9520 *20990	4430 9770	5040 11110	2330 5140			2890 6370	1390 3060	6.45 (21.2)
-3.0 m (-10 ft)	kg lb	*11760 *25930	*11760 *25930	*7980 *17590	4580 10100	5150 11350	2420 5340					

Boom: 4.6 m (15' 1") / Arm: 2.5 m (8' 2") / Bucket: 0.58 m³ (0.76 yd³) SAE heaped / Rear dozer blade down and 1.700 kg counterweight

Load point height m (ft)		Load radius								At max. reach		
		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		Capacity		Reach
												m (ft)
6.0 m (20 ft)	kg lb									*2830 *6240	1660 3660	6.92 (22.7)
4.5 m (15 ft)	kg lb					*3120 *6880	*3120 *6880	*2980 *6570	2100 4630	*2890 *6370	1320 2910	7.66 (25.1)
3.0 m (10 ft)	kg lb			*5730 *12630	*5730 *12630	*4120 *9080	3290 7250	*3510 *7740	2000 4410	2900 6390	1170 2580	8.00 (26.2)
1.5 m (5 ft)	kg lb			*8630 *19030	5720 12610	*5280 *11640	3010 6640	*4040 *8910	1880 4140	2850 6280	1130 2490	8.00 (26.2)
Ground Line	kg lb	*3830 *8440	*3830 *8440	*9000 *19840	5380 11860	*6080 *13400	2820 6220	*4440 *9790	1790 3950	3040 6700	1210 2670	7.67 (25.2)
-1.5 m (-5 ft)	kg lb	*6500 *14330	*6500 *14330	*9740 *21470	5340 11770	*6270 *13820	2750 6060	*4470 *9850	1760 3880	*3520 *7760	1440 3170	6.94 (22.8)
-3.0 m (-10 ft)	kg lb	*9790 *21580	*9790 *21580	*8550 *18850	5460 12040	*5620 *12390	2800 6170			*3490 *7690	2100 4630	5.64 (18.5)

Boom: 4.6 m (15' 1") / Arm: 2.5 m (8' 2") / Bucket: 0.58 m³ (0.76 yd³) SAE heaped / Rear dozer blade down and 1.700 kg counterweight

Load point height m (ft)		Load radius								At max. reach		
		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		Capacity		Reach
												m (ft)
6.0 m (20 ft)	kg									2790	1410	6.92
	lb									6150	3110	(22.7)
4.5 m (15 ft)	kg					*3120	3050	*2980	1790	2280	1110	7.66
	lb					*6880	6720	*6570	3950	5030	2450	(25.1)
3.0 m (10 ft)	kg			*5730	5470	*4120	2810	3400	1700	2070	970	8.00
	lb			*12630	12060	*9080	6190	7500	3750	4560	2140	(26.2)
1.5 m (5 ft)	kg			*8630	4720	*5280	2540	3270	1580	2030	930	8.00
	lb			*19030	10410	*11640	5600	7210	3480	4480	2050	(26.2)
Ground Line	kg	*3830	*3830	*9000	4410	5080	2350	3160	1490	2150	990	7.67
	lb	*8440	*8440	*19840	9720	11200	5180	6970	3280	4740	2180	(25.2)
-1.5 m (-5 ft)	kg	*6500	*6500	*9740	4360	5000	2290	3130	1460	2540	1200	6.94
	lb	*14330	*14330	*21470	9610	11020	5050	6900	3220	5600	2650	(22.8)
-3.0 m (-10 ft)	kg	*9790	*9790	*8550	4480	5060	2340			*3490	1770	5.64
	lb	*21580	*21580	*18850	9880	11160	5160			*7690	3900	(18.5)

1. Lifting capacity are based on SAE J1097 and ISO 10567.

2. Lifting capacity of the HW series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.

3. The load point is a hook (standard equipment) located on the back of the bucket.











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

LIFTING CAPACITY













Rating over-front Rating over-side or 360 degrees

HW140 MONO BOOM

Boom: 4.6 m (15' 1") / Arm: 3.0 m (9' 10") / Bucket: 0.58 m³ (0.76 yd³) SAE heaped / Rear dozer blade down and 1.700 kg counterweight

Load point height m (ft)		Load radius								At max. reach		
		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		Capacity		Reach
												m (ft)
6.0 m (20 ft)	kg lb							*2100 *4630	*2100 *4630	*2570 *5670	1450 3200	7.46 (24.5)
4.5 m (15 ft)	kg lb							*2720 *6000	2150 4740	*2600 *5730	1180 2600	8.14 (26.7)
3.0 m (10 ft)	kg lb							*3180 *7010	2040 4500	2640 5820	1050 2310	8.46 (27.8)
1.5 m (5 ft)	kg lb			*7720 *17020	5950 13120	*3600 *7940	3380 7450	*3780 *8330	1910 4210	2600 5730	1010 2230	8.46 (27.8)
Ground Line	kg lb	*3790 *8360	*3790 *8360	*9530 *21010	5460 12040	*4860 *10710	3080 6790	*4280 *9440	1800 3970	2740 6040	1070 2360	8.15 (26.7)
-1.5 m (-5 ft)	kg lb	*5850 *12900	*5850 *12900	*9890 *21800	5320 11730	*5840 *12870	2850 6280	4460 9830	1740 3840	3150 6940	1260 2760	7.48 (24.5)
-3.0 m (-10 ft)	kg lb	*8400 *18720	*8490 *18720	*9140 *20150	5380 11860	*6260 *13800	2750 6060			*3390 *7470	1710 3770	6.31 (20.7)
-4.5 m (-15 ft)	kg lb			*6870 *15150	5620 12390	*5950 *13120	2750 6060					

Boom: 4.6 m (15' 1") / Arm: 3.0 m (9' 10") / Bucket: 0.58 m³ (0.76 yd³) SAE heaped / Rear dozer blade down and 1.700 kg counterweight

Load point height m (ft)		Load radius										At max. reach		
		1.5 m (5.0 ft)		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		7.5 m (25.0 ft)		Capacity		Reach
														m (ft)
6.0 m (20 ft)	kg lb							*2100 *4630	1880 4140			2450 5400	1220 2690	7.46 (24.5)
4.5 m (15 ft)	kg lb							*2720 *6000	1840 4060			2060 4540	980 2160	8.14 (26.7)
3.0 m (10 ft)	kg lb					*3600 *7940	2900 6390	*3180 *7010	1740 3840	*1760 *3880	1090 2400	1880 4140	860 1900	8.46 (27.8)
1.5 m (5 ft)	kg lb			*7720 *17020	4930 10870	*4860 *10710	2610 5750	3300 7280	1610 3550	*2170 *4780	1040 2290	1840 4060	820 1810	8.46 (27.8)
Ground Line	kg lb	*3790 *8360	*3790 *8360	*9530 *21010	4480 9880	5120 11290	2390 5270	3170 6990	1500 3310	*1780 *3920	990 2180	1940 4280	870 1920	8.15 (26.7)
-1.5 m (-5 ft)	kg lb	*5850 *12900	*5850 *12900	*9890 *21800	4350 9590	5000 11020	2280 5030	3110 6860	1440 3170			2230 4920	1030 2270	7.48 (24.5)
-3.0 m (-10 ft)	kg lb	*8400 *18720	*8490 *18720	*9140 *20150	4400 9700	5000 11020	2290 5050					2980 6570	1430 3150	6.31 (20.7)
-4.5 m (-15 ft)	kg lb			*6870 *15150	4630 10210									

1. Lifting capacity are based on SAE J1097 and ISO 10567.









2. Lifting capacity of the HWV series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.









3. The load point is a hook (standard equipment) located on the back of the bucket.









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

LIFTING CAPACITY

Rating over-front Rating over-side or 360 degrees

HW140 2-PIECE BOOM										
Boom: 4.9 m (16' 1") / Arm: 1.9 m (6' 3") / Bucket: 0.58 m³ (0.76 yd³) SAE heaped / Rear dozer blade down and 1.700 kg counterweight										
Load point height m (ft)		Load radius						At max. reach		
		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		Capacity		Reach
										m (ft)
6.0 m (20 ft)	kg lb			*2980 *6570	*2980 *6570			*2910 *6420	1750 3860	6.70 (22.0)
4.5 m (15 ft)	kg lb	*4270 *9410	*4270 *9410	*3510 *7740	3460 7630	*3250 *7170	2120 4560	*3010 *6640	1380 3040	7.46 (24.5)
3.0 m (10 ft)	kg lb			*4530 *9990	3180 7010	*3640 *8020	1970 4340	3030 6680	1220 2690	7.81 (25.6)
1.5 m (5 ft)	kg lb			*5560 *12260	2910 6420	*4120 *9080	1860 4100	2990 6590	1180 2600	7.81 (25.6)
Ground Line	kg lb	*6160 *13580	5290 11660	*6150 *13560	2770 6110	*4450 *9810	1780 3920	3210 7080	1270 2800	7.47 (24.5)
-1.5 m (-5 ft)	kg lb	*9310 *20530	5360 11820	*6170 *13600	2760 6080	*4410 *9720	1780 3920	*3590 *7910	1550 3420	6.72 (22.0)
-3.0 m (-10 ft)	kg lb			*5400 *11900	2860 6310					

Boom: 4.9 m (16' 1") / Arm: 1.9 m (6' 3") / Bucket: 0.58 m³ (0.76 yd³) SAE heaped / Rear dozer blade down and 1.700 kg counterweight										
Load point height m (ft)		Load radius						At max. reach		
		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		Capacity		Reach
										m (ft)
6.0 m (20 ft)	kg lb			*2980 *6570	*2980 *6570			*2910 *6420	1480 3260	6.70 (22.0)
4.5 m (15 ft)	kg lb	*4270 *9410	*4270 *9410	*3510 *7740	2960 6530	*3250 *7170	1760 3880	2390 5270	1150 2540	7.46 (24.5)
3.0 m (10 ft)	kg lb			*4530 *9990	2690 5930	3380 7450	1660 3660	2160 4760	1000 2200	7.81 (25.6)
1.5 m (5 ft)	kg lb			5220 11510	2440 5380	3260 7190	1550 3420	2120 4670	970 2140	7.81 (25.6)
Ground Line	kg lb	*6160 *13580	4310 9500	5050 11130	2300 5070	3170 6990	1480 3260	2270 5000	1050 2310	7.47 (24.5)
-1.5 m (-5 ft)	kg lb	*9310 *20530	4370 9630	5030 11090	2290 5050	3170 6990	1470 3240	2720 6000	1290 2840	6.72 (22.0)
-3.0 m (-10 ft)	kg lb			5150 11350	2380 5250					









Boom: 4.9 m (16' 1") / Arm: 2.1 m (6' 11") / Bucket: 0.58 m³ (0.76 yd³) SAE heaped / Rear dozer blade down and 1.700 kg counterweight										
Load point height m (ft)		Load radius						At max. reach		
		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		Capacity		Reach
										m (ft)
6.0 m (20 ft)	kg lb			*2790 *6150	*2790 *6150			*2780 *6130	1640 3620	6.91 (22.7)
4.5 m (15 ft)	kg lb			*3320 *7320	*3320 *7320	*3100 *6830	2070 4560	*2880 *6350	1300 2870	7.65 (25.1)
3.0 m (10 ft)	kg lb			*4330 *9550	3170 6990	*3510 *7740	1950 4300	2910 6420	1150 2540	7.99 (26.2)
1.5 m (5 ft)	kg lb			*5400 *11900	2880 6350	*4010 *8840	1830 4030	2860 6310	1110 2450	7.99 (26.2)
Ground Line	kg lb	*6330 *13960	5200 11460	*6050 *13340	2720 6000	*4370 *9630	1740 3840	3060 6750	1190 2620	7.66 (25.1)
-1.5 m (-5 ft)	kg lb	*9370 *20660	5250 11570	*6140 *13540	2690 5930	*4400 *9700	1730 3810	*3480 *7670	1430 3150	6.93 (22.7)
-3.0 m (-10 ft)	kg lb			*5500 *12130	2780 6130					











1. Lifting capacity are based on SAE J1097 and ISO 10567.
2. Lifting capacity of the HW series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.











3. The load point is a hook (standard equipment) located on the back of the bucket.
4. (*) indicates load limited by hydraulic capacity.

LIFTING CAPACITY

Rating over-front Rating over-side or 360 degrees

HW140 2-PIECE BOOM										
Boom: 4.9 m (16' 1") / Arm: 2.1 m (6' 11") / Bucket: 0.58 m³ (0.76 yd³) SAE heaped / Rear dozer blade down and 1.700 kg counterweight										
Load point height m (ft)		Load radius						At max. reach		
		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		Capacity		Reach
										m (ft)
6.0 m (20 ft)	kg lb			*2790 *6150	*2790 *6150			*2780 *6130	1390 3060	6.91 (22.7)
4.5 m (15 ft)	kg lb			*3320 *7320	2960 6530	*3100 *6830	1750 3860	2280 5030	1080 2380	7.65 (25.1)
3.0 m (10 ft)	kg lb			*4330 *9550	2680 5910	3370 7430	1640 3620	2060 4540	940 2070	7.99 (26.2)
1.5 m (5 ft)	kg lb			5190 11440	2410 5310	3230 7120	1520 3350	2020 4450	910 2010	7.99 (26.2)
Ground Line	kg lb	*6330 *13960	4220 9300	5000 11020	2250 4960	3130 6900	1440 3170	2150 4740	970 2140	7.66 (25.1)
-1.5 m (-5 ft)	kg lb	*9370 *20660	4270 9410	4960 10930	2220 4890	3120 6880	1420 3130	2550 5620	1180 2600	6.93 (22.7)
-3.0 m (-10 ft)	kg lb			5070 11180	2310 5090					

Boom: 4.9 m (16' 9") / Arm: 2.5 m (8' 2") / Bucket: 0.58 m³ (0.76 yd³) SAE heaped / Rear dozer blade down and 1.700 kg counterweight												
Load point height m (ft)		Load radius								At max. reach		
		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		7.5 m (25.0 ft)		Capacity		Reach
												m (ft)
6.0 m (20 ft)	kg lb					*2550 *5620	2140 4720			*2580 *5690	1440 3170	7.39 (24.2)
4.5 m (15 ft)	kg lb			*2920 *6440	*2920 *6440	*2810 *6190	2090 4610			*2680 *5910	1150 2540	8.08 (26.5)
3.0 m (10 ft)	kg lb	*5880 *12960	*5880 *12960	*3950 *8710	3220 7100	*3260 *7190	1970 4340	*1990 *4390	1270 2800	2660 5860	1030 2270	8.40 (27.6)
1.5 m (5 ft)	kg lb	*6080 *13400	*5450 *12020	*5090 *11220	2910 6420	*3810 *8400	1830 4030	*2510 *5530	1220 2690	2620 5780	990 2180	8.40 (27.6)
Ground Line	kg lb	*6380 *14070	5180 11420	*5870 *12940	2710 5970	*4250 *9370	1720 3790			2770 6110	1050 2310	8.09 (26.5)
-1.5 m (-5 ft)	kg lb	*9070 *20000	5170 11400	*6130 *13510	2650 5840	*4400 *9700	1680 3700			3220 7100	1250 2760	7.41 (24.3)
-3.0 m (-10 ft)	kg lb	*8650 *19070	5310 11710	*5730 *12630	2700 5950							

Boom: 4.9 m (16' 1") / Arm: 2.5 m (8' 2") / Bucket: 0.58 m³ (0.76 yd³) SAE heaped / Rear dozer blade down and 1.700 kg counterweight												
Load point height m (ft)		Load radius								At max. reach		
		3.0 m (10.0 ft)		4.5 m (15.0 ft)		6.0 m (20.0 ft)		7.5 m (25.0 ft)		Capacity		Reach
												m (ft)
6.0 m	kg					*2550	1820			2470	1200	7.39
(20 ft)	lb					*5620	4010			5450	2650	(24.2)
4.5 m	kg			*2920	*2920	*2810	1780			2060	950	8.08
(15 ft)	lb			*6440	*6440	*6190	3920			4540	2090	(26.5)
3.0 m	kg	*5880	5250	*3950	2730	*3260	1650	*1990	1040	1880	830	8.40
(10 ft)	lb	*12960	11570	*8710	6020	*7190	3640	*4390	2290	4140	1830	(27.6)
1.5 m	kg	*6080	4450	*5090	2430	3230	1520	2210	990	1840	800	8.40
(5 ft)	lb	*13400	9810	*11220	5360	7120	3350	4870	2180	4060	1760	(27.6)
Ground Line	kg	*6380	4200	5000	2240	3120	1420			1950	850	8.09
	lb	*14070	9260	11020	4940	6880	3130			4300	1870	(26.5)
-1.5 m	kg	*9070	4190	4920	2180	3070	1380			2260	1020	7.41
(-5 ft)	lb	*20000	9240	10850	4810	6770	3040			4980	2250	(24.3)
-3.0 m	kg	*8650	4320	4980	2230							
(-10 ft)	lb	*19070	9520	10980	4920							

1. Lifting capacity are based on SAE J1097 and ISO 10567.
2. Lifting capacity of the HW series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.

3. The load point is a hook (standard equipment) located on the back of the bucket.
4. (*) indicates load limited by hydraulic capacity.

ENGINE	STD	OPT
Cummins QSB 6.7 engine	●	
HYDRAULIC SYSTEM		
Intelligent Power Control (IPC)		
3-power mode, 2-work mode, user mode	●	
Variable Power Control	●	
Pump Flow Control	●	
Attachment Mode Flow Control		●
Engine Auto Idle	●	
Engine Auto Shutdown Control		●
Electronic Fan Control	●	
CABIN & INTERIOR		
ISO Standard cabin		
Rise-up 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 windows	●	
Sliding fold-in front window	●	
Sliding side window (LH)	●	
Lockable door	●	
Hot & cool box	●	
Storage compartment & Ashtray	●	
Transparent cabin roof-cover	●	
Sun visor	●	
Door and cab locks, one key	●	
Mechanical suspension seat with heater	●	
Pilot-operated slidable joystick	●	
Console box height adjust system	●	
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	●	
Low speed/High speed	●	
Auto idle	●	
Overload	●	
Check Engine	●	
Air cleaner clogging	●	
Indicators	●	
ECO Gauges	●	
Fuel level gauge	●	
Hyd. oil temperature gauge	●	
Fuel warmer	●	
Warnings	●	
Communication error	●	
Low battery	●	
Clock	●	
Cabin lights		●
Cabin front window rain guard	●	
Cabin roof-steel cover		●
Seat		
Adjustable air suspension seat with heater		●
Cabin FOPS/FOG (ISO/DIS 10262) Level 2		
FOPS (Falling Object Protective Structure) · ISO 3449 Level 2		●
FOG (Falling Object Guard)		●
Cabin ROPS (ISO 12117-2)		
ROPS (Roll Over Protective Structure)	●	

SAFETY	STD	OPT
Battery master switch	●	
Rearview camera	●	
AAVM (Advanced Around View Monitoring)		●
Four front working lights	●	
Travel alarm	●	
Rear work lamp		●
Beacon lamp		●
Automatic swing brake	●	
Boom holding system	●	
Arm holding system	●	
Safety lock valve for boom cylinder with overload warning device	●	
Safety lock valve for arm cylinder		●
Swing Lock System		●
Four outside rearview mirrors	●	
OTHER		
Booms		
4.6 m; 15' 1" Mono	●	
4.9 m; 16' 1" 2-Piece		●
4.1 m; 13' 5"		●
Arms		
1.9 m; 6' 3"		●
2.1 m; 6' 11"	●	
2.5 m; 8' 2"		●
3.0 m; 9' 11"		●
Removable clean-out dust net for cooler	●	
Removable reservoir tank	●	
Fuel pre-filter	●	
Fuel warmer	single dual	● ●
Self-diagnostics system		●
Hi MATE (Remote Management System)	Mobile Satellite	● ●
Batteries (2 × 12 V × 100 Ah)		●
Fuel filler pump (35 l/min)		●
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		●
Tool kit		●
Auto cruiser system	●	
Travel pedal (2-way)		●
UNDERCARRIAGE		
Rear-dozer blade	●	
Front outrigger and rear blade		●
Front and rear outrigger		●
Front blade and rear outrigger		●
Tires-dual (10.00-20-14PR tube)	●	
Tires-dual (10.00-20 solid)		●
Fenders (Mudguards)		●

STD = Standard
OPT = Optional

- * 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.
 * The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant HFC-134a (Global Warming Potential = 1430). The system contains 0.65 kg of refrigerant which has a CO₂ equivalent of 0.9295 metric tonne.



PLEASE CONTACT

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