

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	●	
CAB & 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		
FOPS (Falling Object Protective Structures) - ISO 3449 Level 2		●
FOG (Falling Object Guard)- ISO 10262 Level 2		●
Cabin ROPS		
ROPS (Roll Over Protective Structures)- ISO 12117-2	●	

SAFETY	STD	OPT
Battery master switch	●	
Rearview camera		●
AAMM (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 mirror	●	
OTHER		
Booms		
5.2 m (17' 1") Mono	●	
5.1 m (16' 9") 2-Piece		●
Arms		
2.2 m (7' 3")		●
2.6 m (8' 6")	●	
3.1 m (10' 2")		●
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	●
	Dual	●
Batteries (2 x 12V x 100 AH)	●	
Fuel filler pump (50 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 (2way)		●
REAR DOZER BLADE		
Front blade		●
Front - grapple rest, Rear - dozer		●
Rear - Dozer blade		●
Rear - Outrigger		●
Front blade, Rear blade		●
Front outrigger and rear blade		●
Front and rear outrigger		●
Front blade and rear outrigger		●
Tires-dual (10.00-20-16PR tube)	●	
Tires-dual (10.00-20 solid)		●
Fenders (Mudguards)		●

* 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.



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PLEASE CONTACT

MOVING YOU FURTHER

HW180

With Tier4 final / Stage IV Engine installed



*Photo may include optional equipment.

Net Power SAE J1349 / 171 HP (127 kW) at 1,800 rpm	Gross Power SAE J1995 / 180 HP (134 kW) at 1,800 rpm	Travel Speed 35 km/h (21.7 mph)	Operating Weight 17,800kg (39,240 lb)
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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 customer's expectation!
Become a true leader on the ground with HHI's HW series.

HW180



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
- Operating Simulation for Joy & Achievement
- 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) (Option)
- Swing Lock System (Option)
- Fine Swing Control (Option)



*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 15% faster and levels up to 12% 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.



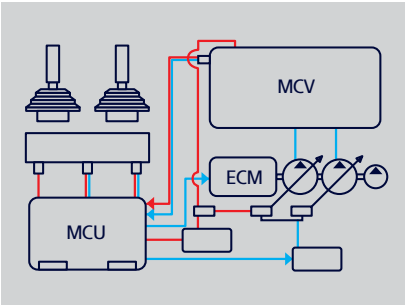
ECO Gauge

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 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 lever, 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 (Option)

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.



New Cooling System with Increased Air Flow

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

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.

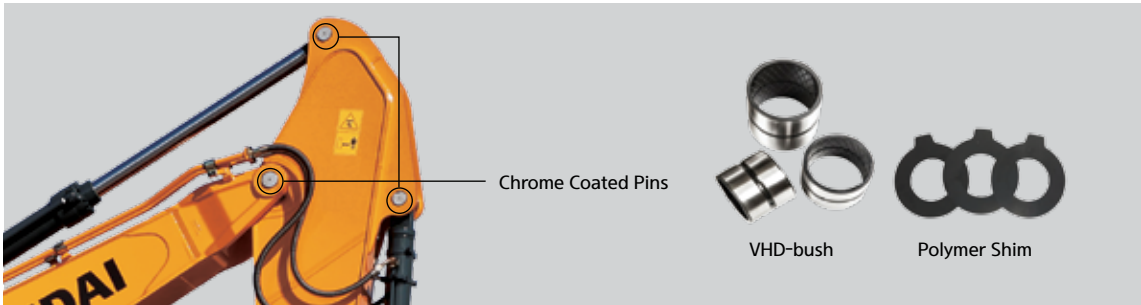
Enlarged Air Inlet with Grill Cover

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 15% 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, lamp, overload warning, 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 operate 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 and rear and to the right and left.



*AVM (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 overfill is given by a red lamp signal.



Hi-mate (Remote Management System) (Option)

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)	180 HP (134kW) at 1,800 rpm
		J1349 (net)	171 HP (127kW) at 1,800 rpm
DIN		6271/1 (gross)	182 PS (134kW) at 1,800 rpm
		6271/1 (net)	173 PS (127kW) at 1,800 rpm
Max. torque		74.7 kgf.m(620 lbf.ft) at 1,500 rpm	
Bore × stroke		107 x 124 mm (4.21" x 4.88")	
Piston displacement		6,700 cc (409 in3)	
Batteries		2 x 12 V x 100 AH	
Starting motor		24V-4.8kW	
Alternator		24V-95 Amp	

HYDRAULIC SYSTEM	
MAIN PUMP	
Type	Two variable displacement piston pumps
Max. flow	2 X 172 L /min (45.4 US gpm/37.8 UK gpm)
Sub-pump for pilot circuit	Gear pump

Cross-sensing and fuel saving pump system

HYDRAULIC MOTORS	
Travel	Variable displasement pistons motor with brake valve
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: 2-115 x 1,090 mm (4.5" x 42.9")
	Arm: 1-120 x 1,355 mm (4.7" x 53.3")
	Bucket: 1-110 x 995 mm (4.3" x 39.2")
	Blade: 2-110 x 235 mm (4.3" x 9.3")
	Outrigger: 2-125 x 463 mm (4.9" x 18.2")
	2-PCS boom: 2-115 x 960mm (4.1" x 37.8")
Adjust(boom): 1-160 x 650mm (6.29" x 25.6")	

DRIVES & BRAKES		
4-wheel hydrostatic drive. Constant mesh, helical gear transmission provides 2 forward and reverse travel speeds.		
Max. drawbar pull	10,320 kgf (22,750 lbf)	
Travel speed	1st	9.5 km/h
	2nd	35 km/h
Gradeability	35o(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)

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

AXLE & WHEEL	
Full floating front axle is supported by center pin for ocillation. It can be locked by ocillation lock cylinders. Rear axle is fixed on the lower chassis.	
Tires	10.00-20-14PR, Dual(tube type)
(Optional)	10.00-20, Dual(solid type)

SWING SYSTEM	
Swing motor	Fixed displacement axial pistons motor
Swing reduction	Planetary gear reduction
Swing bearing lubrication	Grease-bathed
Swing brake (option)	Multi wet disc (pin lock type)
Swing speed	9.3rpm

STEERING SYSTEM	
Hydraulically actuated, orbitrol type steering system actuates on front wheels through the steering cylinders.	
Min. turning radius	6,300 mm(20' 8")

COOLANT & LUBRICANT CAPACITY				
Re-filling	liter	US gal	UK gal	
Fuel tank	290	76.6	63.8	
Engine coolant	19.5	5.2	4.3	
Engine oil	23.7	6.3	5.2	
Swing device - gear oil (OPT)	6.2	1.64	1.36	
Swing device - greese (OPT)	(1.2)	(0.32)	(0.26)	
Axle	Front	15.5	4.11	3.4
	Rear	17.5	4.6	3.9
Hydraulic system (including tank)	270	71.3	59.4	
Hydraulic tank	125	32.8	27.3	
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 mount- ed on the front/or the rear.

OPERATING WEIGHT (APPROXIMATE)			
Operating weight, including 5,200mm (17' 1") Mono boom, 2,600mm (8' 6") arm, SAE heaped 0.76 m³ (0.99 yd³) backhoe bucket, lubricant, cool- ant, full fuel tank, hydraulic tank and the standard equipment.			
OPERATING WEIGHT			
Undercarriage	Mono boom	Hyd. 2-Piece boom	
Rear dozer blade	17,800 kg (39,240 lb)	18,270 kg (40,280 lb)	
Rear outrigger	17,950 kg (39,570 lb)	18,420 kg (40,010 lb)	
Front outrigger and rear blade	18,750 kg (41,340 lb)	19,220 kg (42,370 lb)	
Front blade and rear outrigger	18,800 kg (41,450 lb)	19,270 kg (42,480 lb)	
Four outrigger	18,900 kg (41,670 lb)	19,370 kg (42,700 lb)	

BUCKET SELECTION GUIDE & DIGGING FORCE

BUCKETS						
SAE heaped m³ (yd³)						
	0.39 (0.51)	0.50 (0.65)	0.64 (0.84) 0.70 (0.92) 0.76 (0.99)	0.70 (0.92)	0.89 (1.16) 1.05 (1.37)	0.69 (0.90) 0.75 (0.90)

Capacity m³ (yd³)		Width mm (in)		Weight kg (lb)	Recommendation mm (ft.in)				
					5,200 (17' 1") Mono Boom			5,100 (16' 9") 2-Piece Boom	
					2,200 (7' 3") Arm	2,600 (8' 6") Arm	3,100 (10' 2") Arm	2,200 (7' 3") Arm	2,600 (8' 6") Arm
SAE heaped	CECE heaped	Without side cutters	With side cutters						
0.39 (0.51)	0.34 (0.44)	650 (25.6)	740 (29.1)	410 (900)	●	●	●	●	●
0.50 (0.65)	0.44 (0.58)	790 (31.1)	880 (34.6)	470 (1,040)	●	●	●	●	●
0.64 (0.84)	0.55 (0.72)	950 (37.4)	1,040 (40.9)	510 (1,120)	■	■	▲	■	■
0.70 (0.92)	0.60 (0.78)	1,020 (40.2)	1,110 (43.7)	600 (1,320)	■	■	▲	■	▲
0.76 (0.99)	0.65 (0.85)	1,090 (42.9)	1,180 (46.5)	620 (1,370)	■	▲	▲	■	▲
0.89 (1.16)	0.77 (1.01)	1,250 (49.2)	1,340 (52.8)	610 (1,340)	▲	▲	-	▲	▲
1.05(1.37)	0.90 (1.18)	1,430 (56.3)	1,520 (59.8)	680 (1,500)	▲	-	-	▲	-
■ 0.69 (0.90)	0.62 (0.81)	1,050 (41.3)	-	720 (1,590)	■	▲	▲	■	▲
◎ 0.75 (0.98)	0.65 (0.85)	1,820 (71.7)	-	540 (1,190)	■	■	▲	■	▲
■ Heavy duty bucket ◎ Ditch cleaning bucket					● : Applicable for materials with density of 2,000 kgf/m³ (3,370 lbf/yd³) or less ■ : Applicable for materials with density of 1,600 kgf/m³ (2,700 lbf/yd³) or less ▲ : Applicable for materials with density of 1,100 kgf/m³ (1,850 lbf/yd³) or less				

ATTACHMENT	
Booms and arms are welded with a low-stress, full-box section design. 2.2 m (7' 3") & 2.5 m (8' 2") arms are available.	

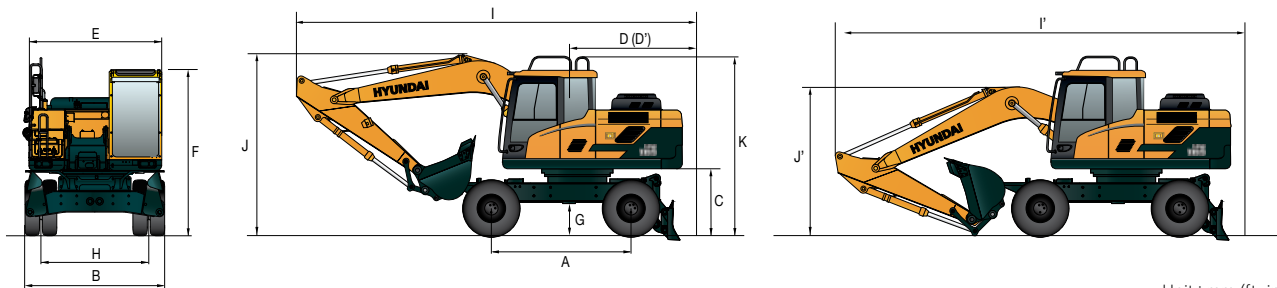
DIGGING FORCE						
Arm	Length	mm (ft.in)	2,200 (7' 3")		2,500 (8' 2")	Remark
	Weight	kg (lb)	750 (1,650)		810 (1,790)	
Bucket digging force	SAE	kN	98.1 [106.5]		98.1 [106.5]	[] : Power Boost
		kgf	10,000 [10,860]		10,000 [10,860]	
		lbf	22,050 [23,940]		22,050 [23,940]	
	ISO	kN	113.4 [123.1]		113.4 [123.1]	
		kgf	11,560 [12,550]		11,560 [12,550]	
		lbf	25,490 [27,670]		25,490 [27,670]	
Arm crowd force	SAE	kN	76.0 [82.5]		66.4 [72.1]	
		kgf	7,750 [8,410]		9,770 [7,350]	
		lbf	17,090 [18,550]		16,930 [16,210]	
	ISO	kN	79.4 [86.2]		69.1 [75.1]	
		kgf	8,100 [8,790]		7,050 [7,650]	
		lbf	17,860 [19,390]		15,540 [16,870]	

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

DIMENSIONS & WORKING RANGE

HW180 MONO BOOM DIMENSIONS

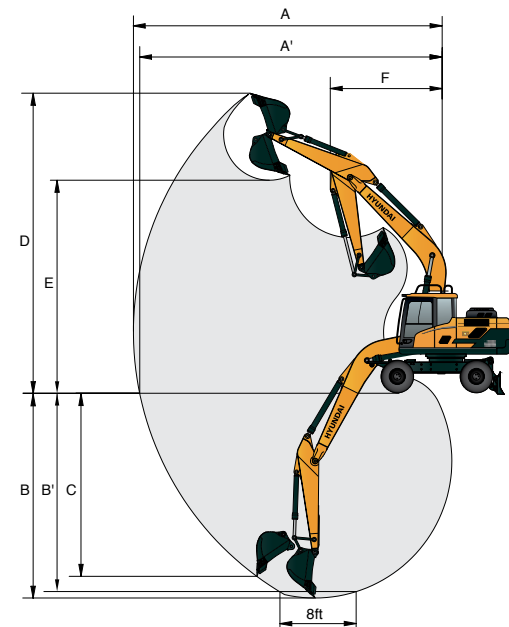
5.2 m (17' 1") Mono boom, 2.6 m (8' 6") Arm, Rear dozer



A	Wheel base	2,600 (8' 6")
B	Overall width	2,500 (8' 2")
C	Ground clearance of counterweight	1,270 (4' 2")
D	Rear-end distance	2,430 (8' 0")
D'	Rear-end swing radius	2,430 (8' 0")
E	Upperstructure width	2,475 (8' 1")
F	Overall height of cab	3,190 (10' 6")
G	Min. ground clearance	340 (1' 1")
H	Tread	1,944 (6' 5")
K	Overall height of guardrail	3,420 (11' 3")

	Boom length	5,200 (16' 9")		
	Arm length	2,200 (7' 3")	2,600 (8' 6")	3,100 (10' 2")
I	Overall length (Traveling position)	8,590 (28' 2")	8,710 (28' 7")	8,480 (27' 10")
I'	Overall length (Shipping position)	8,650 (28' 5")	8,760 (28' 9")	8,760 (28' 9")
J	Overall height of boom (Traveling position)	3,610 (11' 10")	3,540 (11' 7")	3,900 (12' 10")
J'	Overall height of boom (Shipping position)	3,060 (10' 0")	3,180 (10' 5")	3,150 (10' 4")

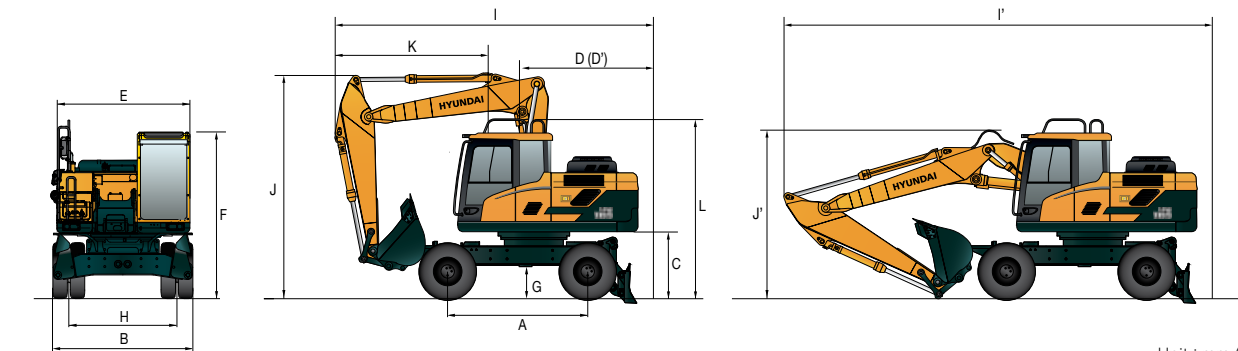
HW180 MONO BOOM WORKING RANGE



Boom length		5,200 (17' 1")		
Arm length		2,200 (7' 3")	2,600 (8' 6")	3,100 (10' 2")
A	Max. digging reach	8,820 (29' 1")	9,200 (30' 3")	9,450 (31' 0")
A'	Max. digging reach on ground	8,615 (28' 4")	9,000 (29' 7")	9,250 (30' 4")
B	Max. digging depth	5,500 (18' 2")	5,900 (19' 5")	6,320 (20' 9")
B'	Max. digging depth (8' level)	5,280 (17' 5")	5,700 (18' 9")	6,130 (20' 1")
C	Max. vertical wall digging depth	4,850 (16' 1")	5,310 (17' 6")	5,470 (17' 11")
D	Max. digging height	9,180 (30' 3")	9,300 (30' 7")	9,220 (30' 3")
E	Max. dumping height	6,520 (21' 5")	6,660 (21' 8")	6,620 (21' 9")
F	Min. swing radius	3,290 (10' 9")	3,230 (10' 8 ")	3,160 (10' 4")

HW180 2-PIECE BOOM DIMENSIONS

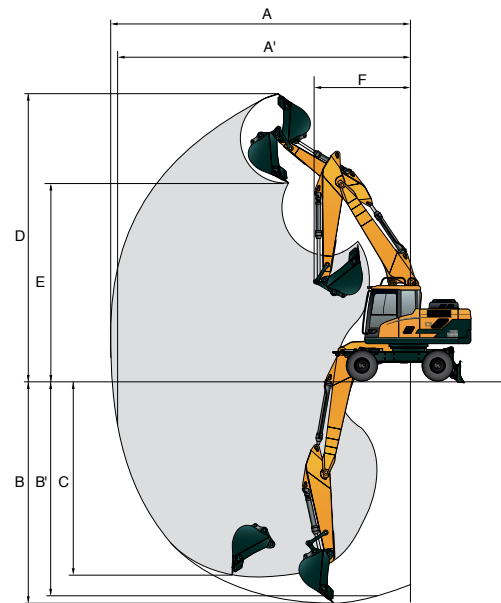
5.1 m (16' 9") Mono boom, 2.2 m (7' 3") Arms, Rear dozer



A	Wheel base	2,600 (8' 6")
B	Overall width	2,500 (8' 2")
C	Ground clearance of counterweight	1,270 (4' 2")
D	Rear-end distance	2,430 (8' 0")
D'	Rear-end swing radius	2,430 (8' 0")
E	Upperstructure width	2,475 (8' 1")
F	Overall height of cab	3,190 (10' 6")
G	Min. ground clearance	340 (1' 1")
H	Tread	1,944 (6' 5")
L	Overall height of guardrail	3,420 (11' 3")

	Boom length	5,100 (16' 9")	
	Arm length	2,200 (7' 3")	2,600 (8' 6")
I	Overall length (Traveling position)	6,630 (21' 9")	6,620 (21' 9")
I'	Overall length (Shipping position)	8,650 (28' 5")	8,750 (28' 8")
J	Overall height of boom (Traveling position)	3,980 (13' 1")	3,960 (13' 0")
J'	Overall height of boom (Shipping position)	2,900 (9' 6")	2,920 (9' 7")
K	End of attachment to steering wheel	3,300 (10' 10")	3,290 (10' 10")

HW180 2-PIECE BOOM WORKING RANGE



Boom length		5,100 (16' 9")	
Arm length		2,200 (7' 3")	2,600 (8' 6")
A	Max. digging reach	8,760 (28' 9")	9,110 (29' 11")
A'	Max. digging reach on ground	8,550 (28' 1")	8,910 (29' 3")
B	Max. digging depth	5,220 (17' 2")	5,620 (18' 5")
B'	Max. digging depth (8' level)	5,120 (16' 10")	5,520 (18' 1")
C	Max. vertical wall digging depth	4,430 (14' 6")	4,780 (15' 8")
D	Max. digging height	9,630 (31' 7")	9,820 (32' 3")
E	Max. dumping height	6,930 (22' 9")	7,130 (23' 5")
F	Min. swing radius	3,100 (10' 2")	2,970 (9' 9")

LIFTING CAPACITY

 Rating over-front  Rating over-side or 360 degree

HW180 MONO BOOM

5.10 m (16' 9") Mono boom, 2.20 m (7' 3") arm equipped with 0.76 m³ (SAE heaped) bucket and dozer blade down.

Load point height m (ft)		Load radius										At max. reach		
		1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		Capacity		Reach
														m (ft)
6.0 m (20 ft)	kg											*3670	2370	7.22
	lb											*8090	5220	(23.7)
4.5 m (15 ft)	kg							*4170	3230			*3640	1950	7.92
	lb							*9190	7120			*8020	4300	(26.0)
3.0 m (10 ft)	kg					*6000	4870	*4650	3080			*3670	1760	8.25
	lb					*13230	10740	*10250	6790			*8090	3880	(27.1)
1.5 m (5 ft)	kg					*7080	4500	*5150	2910	*3400	2010	*3700	1720	8.26
	lb					*15610	9920	*11350	6420	*7500	4430	*8160	3790	(27.1)
Ground Line	kg			*6800	*6800	*7550	4300	*5410	2800			*3710	1830	7.94
	lb			*14990	*14990	*16640	9480	*11930	6170			*8180	4030	(26.0)
-1.5 m (-5 ft)	kg	*6910	*6910	*10680	8210	*7270	4260	*5190	2770			*3600	2140	7.26
	lb	*15230	*15230	*23550	18100	*16030	9390	*11440	6110			*7940	4720	(23.8)
-3.0 m (-10 ft)	kg			*8670	8420	*6070	4370					*3090	2960	6.05
	lb			*19110	18560	*13380	9630					*6810	6530	(19.8)

5.10 m (16' 9") Mono boom, 2.60 m (8' 6") arm equipped with 0.76 m³ (SAE heaped) bucket and dozer blade down.

Load point height m (ft)		Load radius										At max. reach		
		1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		Capacity		Reach
														m (ft)
6.0 m (20 ft)	kg											*3370	2150	7.63
	lb											*7430	4740	(25.0)
4.5 m (15 ft)	kg											*3370	1780	8.29
	lb											*7430	3920	(27.2)
3.0 m (10 ft)	kg							*4380	3090	*3350	2070	*3410	1610	8.60
	lb							*9660	6810	*7390	4560	*7520	3550	(28.2)
1.5 m (5 ft)	kg			*6640	*6640	*6760	4520	*4940	2900	*4010	1990	*3470	1570	8.61
	lb			*14640	*14640	*14900	9960	*10890	6390	*8840	4390	*7650	3460	(28.2)
Ground Line	kg			*7450	*7450	*7410	4270	*5300	2760	*3800	1930	*3510	1650	8.31
	lb			*16420	*16420	*16340	9410	*11680	6080	*8380	4250	*7740	3640	(27.3)
-1.5 m (-5 ft)	kg	*6590	*6590	*10640	8070	*7350	4190	*5250	2710			*3480	1910	7.66
	lb	*14530	*14530	*23460	17790	*16200	9240	*11570	5970			*7670	4210	(25.1)
-3.0 m (-10 ft)	kg	*10200	*10200	*9440	8240	*6460	4250	*4400	2770			*3190	2540	6.54
	lb	*22490	*22490	*20810	18170	*14240	9370	*9700	6110			*7030	5600	(21.5)
-4.5 m (-15 ft)	kg			*6050	*6050	*3830	*3830							
	lb			*13340	*13340	*8440	*8440							

HW180 2-PIECE BOOM

5.20 m (17' 1") 2-Piece boom, 2.20 m (7' 3") arm equipped with 0.76 m³ (SAE heaped) bucket and dozer blade down.

Load point height m (ft)		Load radius										At max. reach		
		1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		Capacity		Reach
														m (ft)
7.5 m (25 ft)	kg											*3630	3290	6.09
	lb											*8000	7250	(20.0)
6.0 m (20 ft)	kg							*3590	3300			*3560	2340	7.30
	lb							*7910	7280			*7850	5160	(24.0)
4.5 m (15 ft)	kg					*4700	*4700	*4090	3230			*3580	1930	8.00
	lb					*10360	*10360	*9020	7120			*7890	4250	(26.2)
3.0 m (10 ft)	kg					*5980	4840	*4620	3070	*2640	2080	*3650	1740	8.32
	lb					*13180	10670	*10190	6770	*5820	4590	*8050	3840	(27.3)
1.5 m (5 ft)	kg					*7130	4490	*5160	2910	*3440	2020	*3720	1700	8.33
	lb					*15720	9900	*11380	6420	*7580	4450	*8200	3750	(27.3)
Ground Line	kg			*7150	*7150	*7630	4300	*5470	2800			*3780	1800	8.01
	lb			*15760	*15760	*16820	9480	*12060	6170			*8330	3970	(26.3)
-1.5 m (-5 ft)	kg	*7450	*7450	*10920	8200	*7410	4260	*5320	2770			*3760	2100	7.34
	lb	*16420	*16420	*24070	18080	*16340	9390	*11730	6110			*8290	4630	(24.1)
-3.0 m (-10 ft)	kg	*11670	*11670	*9130	8380	*6370	4340					*3460	2850	6.15
	lb	*25730	*25730	*20130	18470	*14040	9570					*7630	6280	(20.2)

1. Lifting capacity are based on SAE J1097 and ISO 10567.
2. Lifting capacity of the ROBEX 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 located on the back of the bucket.
4. (*) indicates load limited by hydraulic capacity.

 Rating over-front  Rating over-side or 360 degree

HW180 2-PIECE BOOM

5.20 m (17' 1") 2-Piece boom, 2.60 m (8' 6") arm equipped with 0.76 m³ (SAE heaped) bucket and dozer blade down.

Load point height m (ft)		Load radius										At max. reach		
		1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		Capacity		Reach
														m (ft)
7.5 m (25 ft)	kg											*3300	2890	6.57
	lb											*7280	6370	(21.6)
6.0 m (20 ft)	kg							*3340	3340			*3270	2120	7.70
	lb							*7360	7360			*7210	4670	(25.3)
4.5 m (15 ft)	kg							*3760	3250	*1800	*1800	*3320	1770	8.35
	lb							*8290	7170	*3970	*3970	*7320	3900	(27.4)
3.0 m (10 ft)	kg			*8680	*8680	*5510	4890	*4330	3080	*3250	2080	*3400	1600	8.66
	lb			*19140	*19140	*12150	10780	*9550	6790	*7170	4590	*7500	3530	(28.4)
1.5 m (5 ft)	kg			*6820	*6820	*6790	4500	*4940	2900	*4020	2000	*3490	1560	8.67
	lb			*15040	*15040	*14970	9920	*10890	6390	*8860	4410	*7690	3440	(28.4)
Ground Line	kg			*7760	*7760	*7490	4270	*5350	2760	*3800	1940	*3580	1630	8.37
	lb			*17110	*17110	*16510	9410	*11790	6080	*8380	4280	*7890	3590	(27.5)
-1.5 m (-5 ft)	kg	*7030	*7030	*10790	8070	*7480	4190	*5360	2710			*3620	1870	7.73
	lb	*15500	*15500	*23790	17790	*16490	9240	*11820	5970			*7890	4120	(25.4)
-3.0 m (-10 ft)	kg	*10330	*10330	*9820	8210	*6700	4240	*4660	2750			*3490	2460	6.63
	lb	*22770	*22770	*21650	18100	*14770	9350	*10270	6060			*7690	5420	(21.8)
-4.5 m (-15 ft)	kg			*6840	*6840	*4480	4450							
	lb			*15080	*15080	*9880	3810							

5.20 m (17' 1") 2-Piece boom, 3.10 m (10' 2") arm equipped with 0.76 m³ (SAE heaped) bucket and dozer blade down.

Load point height m (ft)		Load radius										At max. reach		
		1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		Capacity		Reach
														m (ft)
7.5 m (25 ft)	kg							*1900	*1900			*2940	2480	7.16
	lb							*4190	*4190			*6480	5470	(23.5)
6.0 m (20 ft)	kg							*2990	*2990			*2950	1880	8.20
	lb							*6590	*6590			*6500	4140	(26.9)
4.5 m (15 ft)	kg							*3360	3280	*2450	2150	*3010	1580	8.81
	lb							*7410	7230	*5400	4740	*6640	3480	(28.9)
3.0 m (10 ft)	kg			*7290	*7290	*4930	*4930	*3980	3090	*3340	2070	*3100	1430	9.10
	lb			*16070	*16070	*10870	*10870	*8770	6810	*7360	4560	*6830	3150	(29.9)
1.5 m (5 ft)	kg			*9480	8520	*6330	4550	*4660	2890	*3810	1980	3210	1390	9.11
	lb			*20900	18780	*13960	10030	*10270	6370	*8400	4370	7080	3060	(29.9)
Ground Line	kg			*8290	8050	*7250	4260	*5170	2740	*4050	1890	*3320	1440	8.83
	lb			*18280	17750	*15980	9390	*11400	6040	*8930	4170	*7320	3170	(29.0)
-1.5 m (-5 ft)	kg	*6560	*6560	*10300	7960	*7480	4130	*5330	2650	*3340	1860	*3410	1640	8.23
	lb	*14460	*14460	*22710	17550	*16490	9110	*11750	5840	*7360	4100	*7520	3620	(27.0)
-3.0 m (-10 ft)	kg	*9220	*9220	*10500	8050	*6980	4140	*4950	2660			*3400	2080	7.21
	lb	*20330	*20330	*23150	17750	*15390	9130	*10910	5860			*7500	4590	(23.7)
-4.5 m (-15 ft)	kg	*12750	*12750	*8080	*8080	*5420	4280					*3000	*3000	5.51
	lb	*28110	*28110	*17810	*17810	*11950	9440					*6610	*6610	(18.1)