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	●	
20 km/h speed limit		●
Hyundai Bio Hydraulic Oil (HBHO)		●
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 - Tempered glass	●	
Safety glass - Tempered glass with front laminated glass	●	
Safety glass windows	●	
Sliding fold-in front window	●	
Sliding side window(LH)	●	
Lockable door	●	
Hot & cool box	●	
Storage compartment & 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 warning with alarm	●	
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		
FOPS (Falling Object Protective Structures)ISO 10262 Level 2		●
Cabin ROPS		
ROPS (Roll Over Protective Structures)	●	

SAFETY	STD	OPT
Battery master switch	●	
Rearview camera		●
AAVM (Advanced Around View Monitoring)		●
Four front working lights (2 boom mounted, 2 front frame mounted)	●	
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	●	
Genal Type Guardrail	●	
Separable Type Guardrail		●
OTHER		
Booms		
4.6 m, 15' 1" Mono	●	
4.1 m, 13' 5" Mono		●
4.9 m, 16' 1" 2-Piece		●
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)	●	
Fuel warmer (dual)		●
Self-diagnostics system	●	
Hi MATE (Remote Management System) Mobile		●
Hi MATE (Remote Management System) Satellite		●
Batteries (2 x 12V x 100 AH)	●	
Fuel filler pump (35 RPM)		●
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)		●
LED lights on boom (2)		●
UNDERCARRIAGE		
Rear-dozer blade	●	
Front outrigger and rear blade		●
Front and rear outrigger		●
Front blade and rear outrigger		●
Tires-dual (9.00-20-14PR tube)	●	
Tires-dual (10.00-20-14PR tube)		●
Tires-dual (10.00-20 solid)		●
Fenders (Mudguards)		●
Rear outrigger		●
Front grapple rest and rear blade with trailer fixture		●

* 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.

HYUNDAI
CONSTRUCTION EQUIPMENT

Head Office (Sales office)
First tower, 55, Bundang-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, Korea

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MOVING YOU FURTHER

HW140

With Tier4 final / Stage Ⅳ Engine installed

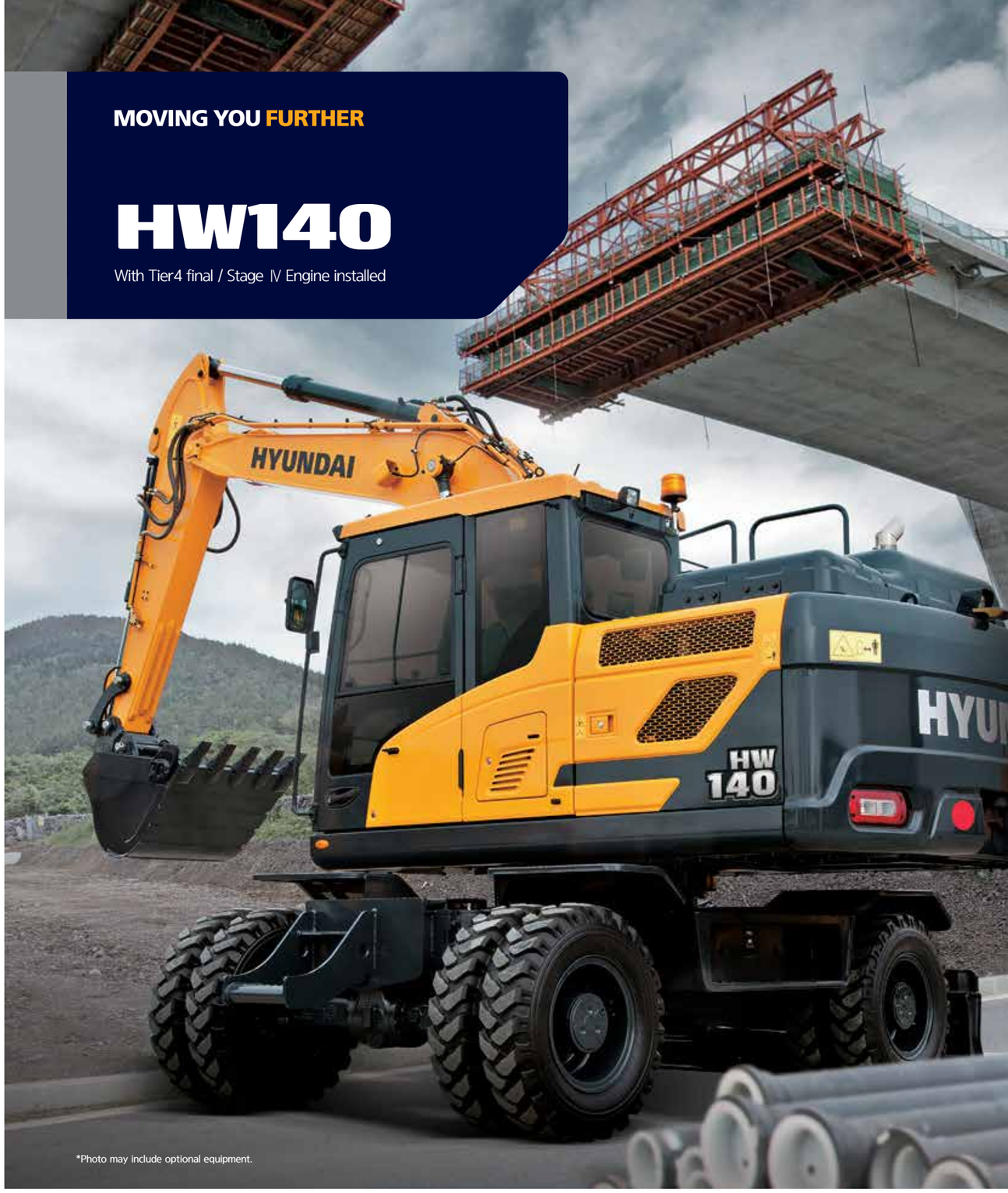


*Photo may include optional equipment.

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

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

Travel Speed
STD - 39km/h (24.1mph)
2piece Boom OPT - 36km/h (22.4 mph)
Speed limit OPT - 20km/h (12.4 mph)

Operating Weight
13,880kg (30,600 lb)

HYUNDAI
CONSTRUCTION EQUIPMENT

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.

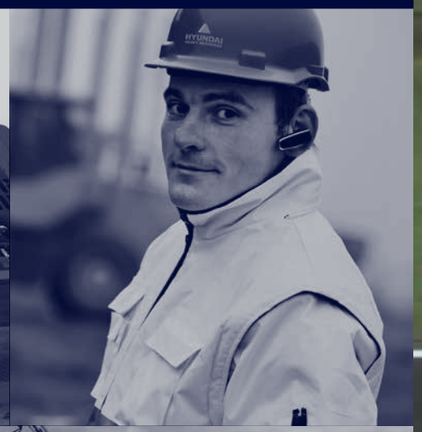


*Photo may include optional equipment.

RULE THE GROUND

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

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
- Viscous Suspension Mount
- 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 3% faster and levels up to 2% faster than the 9 Series.

WORK MAX, WORTH MAX

Fuel Efficient System, Allows Great Performance

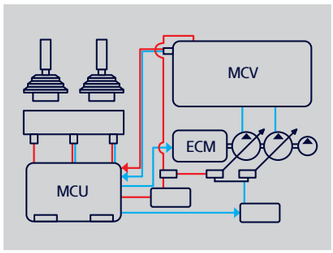
The HW Series has an eco-friendly, high-performance engine which ensures both excellent fuel efficiency and high power. With outstanding operating performance proven by rigorous tests at various work sites, it will satisfy any customer's needs.

ECO 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.

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.

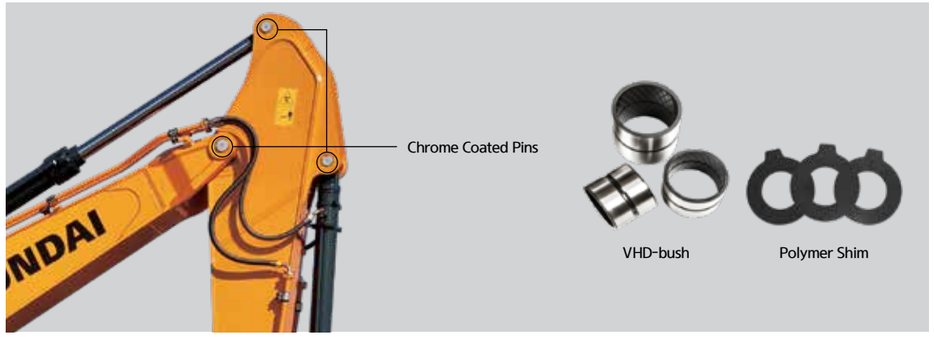
Enlarged Air Inlet with Grill Cover

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.

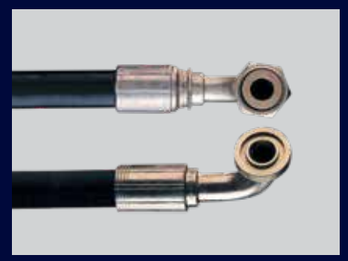
Durable Cooling Module

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. 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) 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 QSB 6.7
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)	157 HP (117kW) at 2,150 rpm
		J1349 (net)	149 HP (111kW) at 2,150 rpm
	DIN	6271/1 (gross)	159 PS (117kW) at 2,150 rpm
		6271/1 (net)	151 PS (111kW) at 2,150 rpm
Max. torque			68.5 kgf.m(496 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 × 12 V × 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	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 1075 mm (4.1" x 42.3")
	Arm: 1-115 x 1138 mm (4.5" x 46.8")
	Bucket: 1-100 x 850 mm (3.9" x 33.1")
	Blade: 2-100 x 236 mm (3.9" x 9.3")
	Outrigger: 2-110 x 446 mm (4.9" x 18.7")
	2-PCS boom: 2-105 x 975mm (4.1" x 38.4")
	Adjust(boom): 1-145 x 613mm (5.7" x 24.1")

* 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		7,800 kgf (17,200 lbf)
Travel speed	1st	10 km/h
	2nd	STD : 39 km/h
		OPT : 36 km/h (2Piece boom) or 20 km/h (Speed limit)
Gradeability		35° (70 %)

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

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

CONTROL

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

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

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	9.00-20-14PR, Dual(tube type)
(Optional)	9.00-20, Dual(solid type)
	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 mm(20' 8")

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
Swing speed	11.6 rpm

COOLANT & LUBRICANT CAPACITY

( ): option

		liter	US gal	UK gal
Re-filling		270	71.3	59.4
Fuel tank		19.5	5.2	4.3
Engine coolant		23.7	6.3	5.2
Engine oil		3.5 (2.5)	0.92 (0.7)	0.77 (0.5)
Swing device		13.8	3.6	3.0
Axle	Front	16	4.3	3.5
	Rear	2.5	0.7	0.5
Transmission		210	55.5	46.2
Hydraulic system (including tank)		120	31.7	26.4
Hydraulic tank		27	7.1	5.9
DEF / AdBlue® Tank				

UNDERCARRIAGE

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

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

OPERATING WEIGHT (APPROXIMATE)

Operating weight, including 4,600mm (15' 1") Mono boom, 2,100mm (6' 11") arm, SAE heaped 0.58 m³ (0.76 yd3) backhoe bucket, lubricant, coolant, full fuel tank, hydraulic tank and the standard equipment.

OPERATING WEIGHT

Rear dozer blade	13,880 (30,600)
Rear outrigger	14,280 (31,480)
Front outrigger and rear blade	14,880 (32,800)
Front blade and rear outrigger	14,880 (32,800)
Four outrigger	14,630 (32,250)

AIR CONDITIONING SYSTEM

The air condition system for the machine contains the fluorinated green-house gas with global warming potential of R134a.
(Global Warming Potential : 1430)
The system hold 0.65kg refrigerant consisting of a CO_2 equivalent 0.93kg metric tonne. For more information, Please refer to the manual.

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)	▣ 0.45 (0.59)	⦿ 0.55 (0.72)

Capacity m³ (yd³)		Width mm (in)		Weight kg (lb)	Recommendation mm (ft.in)						
					4.6 (15' 1") Boom				4.9 (16' 1") 2-Piece Boom		
SAE heaped	CECE heaped	Without side cutters	With side cutters		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
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 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. 4.6m (15' 1") Mono 4.9m (6' 3") 2-Piece Booms and 1.9m (6' 3"), 2.1m(6' 11"), 2.5m (8' 2"), & 3.0m (9' 10") Arms are available.

DIGGING FORCE

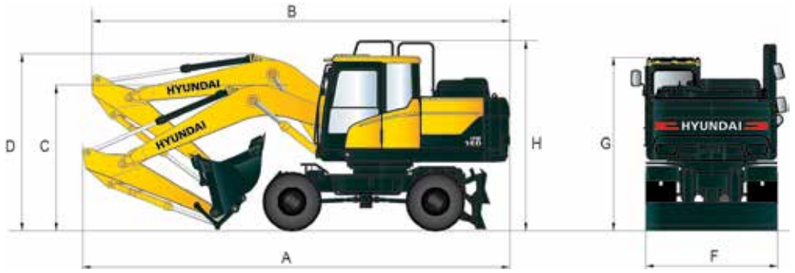
Arm	Length	mm (ft.in)	1,900 (6' 3")	2,100 (6' 11")	2,500 (8' 2")	3,000 (9' 10")	Remark
	Weight	kg (lb)	560 (1,230)	580 (1,280)	610 (1,340)	670 (1,480)	
Bucket digging force	SAE	kN	87.3 [94.8]	87.3 [94.8]	87.3 [94.8]	87.3 [94.8]	[ ] : Power Boost
		kgf	8,900 [9,660]	8,900 [9,660]	8,900 [9,660]	8,900 [9,660]	
		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, 1.9 m (6' 3"), 2.1 m (6' 11"), 2.5 m (8' 2"), 3.0 m (9' 10"), Arm, Real dozer.

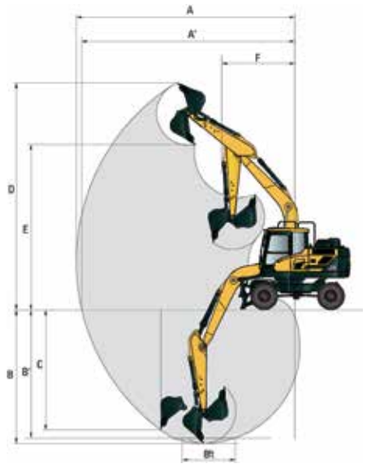


Unit : mm (ft'in)

	Boom length	4,600 (15' 1") Mono			
	Arm length	1,900 (6' 3")	2,100 (6' 11")	2,500 (8' 2")	3,000 (9' 10")
A	Overall length of shipping position	7,760 (25' 6")	7,820 (25' 8")	7,770 (25' 6")	7,830 (25' 8")
B	Overall length of 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	2,495 (8' 2")	2,495 (8' 2")	2,495 (8' 2")	2,495 (8' 2")
G	Height of cabin	3,140 (10' 4")	3,140 (10' 4")	3,140 (10' 4")	3,140 (10' 4")
H	Overall height of guardrail / Separable type	3,390 (11' 1") / 3,228 (10'7")	3,390 (11' 1") / 3,228 (10'7")	3,390 (11' 1") / 3,228 (10'7")	3,390 (11' 1") / 3,228 (10'7")

HW140 MONO BOOM WORKING RANGE

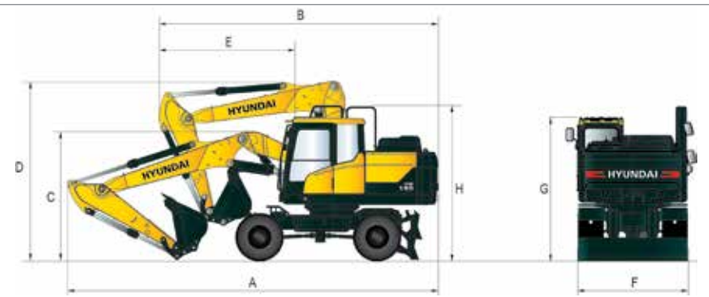
Unit : mm (ft'in)



	Boom length	4,600 (15' 1") Mono			
	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")	7,920 (26' 0")	8,320 (27' 4")	8,780 (28' 10")
A'	Max. digging reach on ground	7,530 (24' 8")	7,700 (25' 3")	8120 (26' 8")	8,590 (28' 2")
B	Max. digging depth	4,650 (15' 3")	4,850 (15' 11")	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")	4,460 (14' 8")	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. swing radius	2,620 (8' 7")	2,670 (8' 10")	2,650 (8' 8")	2,670 (8' 9")

HW140 2-PIECE BOOM DIMENSIONS

4.9 m (16' 1") 2-Piece Boom, 1.9 m (6' 3"), 2.1 m (6' 11"), 2.5 m (8' 2") Arm, Real dozer.

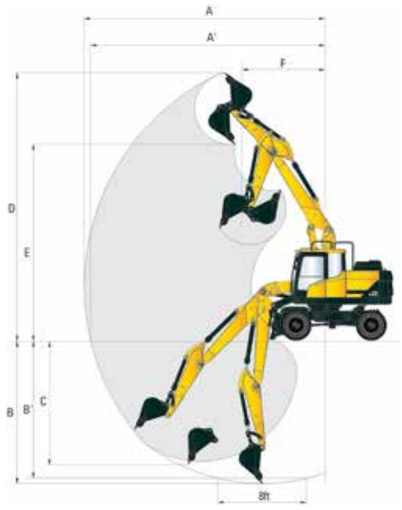


Unit : mm (ft'in)

	Boom length	4900 (16' 1") 2-Piece		
	Arm length	1,900 (6' 3")	2,100 (6' 11")	2,500 (8' 2")
A	Overall length of shipping position	8,140 (26' 8")	8,170 (26' 10")	8,150 (26' 9")
B	Overall length of 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	2,495 (8' 2")	2,495 (8' 2")	2,495 (8' 2")
G	Height of cabin	3,140 (10' 4")	3,140 (10' 4")	3,140 (10' 4")
H	Overall height of guardrail / Separable type	3,390 (11' 1") / 3,228 (10'7")	3,390 (11' 1") / 3,228 (10'7")	3,390 (11' 1") / 3,228 (10'7")

HW140 2-PIECE BOOM WORKING RANGE

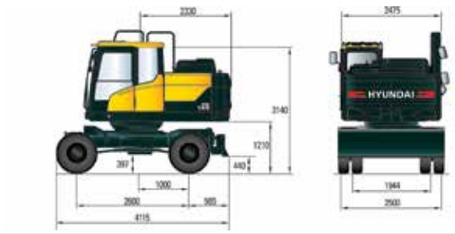
Unit : mm (ft'in)



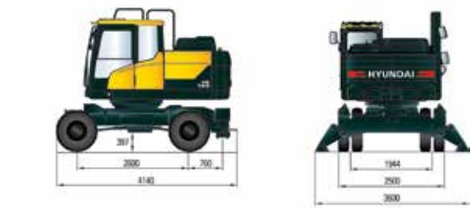
	Boom length	4,900 (16' 1") 2-Piece		
	Arm length	1,900 (6' 3")	2,100 (6' 11")	2,500 (8' 2")
A	Max. digging reach	8,140 (26' 8")	8,310 (27' 3")	8,720 (28' 7")
A'	Max. digging reach on ground	7,930 (26' 0")	8110 (26' 7")	8,530 (28' 0")
B	Max. digging depth	4,810 (15' 9")	5,010 (16' 5")	5,410 (17' 9")
B'	Max. digging depth (8' level)	4700 (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. swing radius	2,660 (8' 9")	2,820 (9' 3")	2,690 (8' 10")

UNDERCARRIAGE

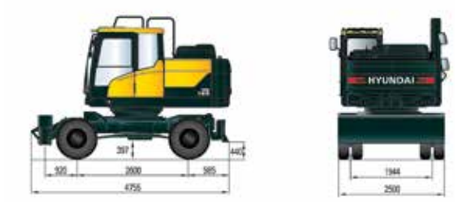
HW140 WITH REAR DOZER



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 degree

HW140 MONO BOOM

Boom: 4.6 m (15' 1") / Arm: 1.9 m (6' 3") / With rear dozer blade down and 1.700 kg counterweight

Lift-point height m (ft)		Lift-point radius								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
6.0m	kg					*4,140	*4,140			*3,560	*3,560	4.95
19.7ft	lb					*9,130	*9,130			*7,850	*7,850	(16.2)
4.5m	kg					*4,440	4,200			*3,320	2,680	5.92
14.8ft	lb					*9,790	9,260			*7,320	5,910	(19.4)
3.0m	kg					*5,390	3,980	3,590	2,570	3,240	2,330	6.39
9.8ft	lb					*11,880	8,770	7,910	5,670	7,140	5,140	(21.0)
1.5m	kg					5,470	3,780	3,500	2,490	3,110	2,220	6.49
4.9ft	lb					12,060	8,330	7,720	5,490	6,860	4,890	(21.3)
0.0m	kg			*6,540	*6,540	5,350	3,670	3,450	2,450	3,280	2,330	6.22
0.0ft	lb			*14,420	*14,420	11,790	8,090	7,610	5,400	7,230	5,140	(20.4)
-1.5m	kg	*6,610	*6,610	*9,520	7,040	5,340	3,670			3,900	2,750	5.54
-4.9ft	lb	*14,570	*14,570	*20,990	15,520	11,770	8,090			8,600	6,060	(18.2)
-3.0m	kg			*7,410	7,230					*5,060	4,150	4.24
-9.8ft	lb			*16,340	15,940					*11,160	9,150	(13.9)

Boom: 4.6 m (15' 1") / Arm: 1.9 m (6' 3") / With rear dozer blade up and 1.700 kg counterweight

Lift-point height m (ft)		Lift-point radius								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
6.0m	kg					*4,140	*4,140			*3,560	*3,560	4.95
19.7ft	lb					*9,130	*9,130			*7,850	*7,850	(16.2)
4.5m	kg					*4,440	4,200			*3,320	2,690	5.92
14.8ft	lb					*9,790	9,260			*7,320	5,930	(19.4)
3.0m	kg					*5,390	3,990	3,590	2,580	3,240	2,330	6.39
9.8ft	lb					*11,880	8,800	7,910	5,690	7,140	5,140	(21.0)
1.5m	kg					5,470	3,790	3,500	2,500	3,110	2,230	6.49
4.9ft	lb					12,060	8,360	7,720	5,510	6,860	4,920	(21.3)
0.0m	kg			*6,540	*6,540	5,350	3,680	3,450	2,450	3,280	2,330	6.22
0.0ft	lb			*14,420	*14,420	11,790	8,110	7,610	5,400	7,230	5,140	(20.4)
-1.5m	kg	*6,610	*6,610	*9,520	7,060	5,340	3,680			3,900	2,760	5.54
-4.9ft	lb	*14,570	*14,570	*20,990	15,560	11,770	8,110			8,600	6,080	(18.2)
-3.0m	kg			*7,410	7,250					*5,060	4,160	4.24
-9.8ft	lb			*16,340	15,980					*11,160	9,170	(13.9)

Boom: 4.6 m (15' 1") / Arm: 2.1 m (6' 11") / With rear dozer blade down and 1.700 kg counterweight

Lift-point height m (ft)		Lift-point radius						At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		Capacity		Reach
										m (ft)
6.0m	kg					*3,870	*3,870			*3,400	3,390	5.17
19.7ft	lb					*8,530	*8,530			*7,500	7,470	(17.0)
4.5m	kg					*4,230	4,210	3,650	2,630	*3,200	2,550	6.10
14.8ft	lb					*9,330	9,280	8,050	5,800	*7,050	5,620	(20.0)
3.0m	kg					*5,200	3,990	3,590	2,570	3,100	2,220	6.57
9.8ft	lb					*11,460	8,800	7,910	5,670	6,830	4,890	(21.5)
1.5m	kg					5,460	3,770	3,490	2,480	2,980	2,130	6.66
4.9ft	lb					12,040	8,310	7,690	5,470	6,570	4,700	(21.8)
0.0m	kg			*6,800	*6,800	5,320	3,650	3,430	2,420	3,130	2,220	6.40
0.0ft	lb			*14,990	*14,990	11,730	8,050	7,560	5,340	6,900	4,890	(21.0)
-1.5m	kg	*6,280	*6,280	*9,700	6,980	5,310	3,630			3,670	2,590	5.74
-4.9ft	lb	*13,850	*13,850	*21,380	15,390	11,710	8,000			8,090	5,710	(18.8)
-3.0m	kg			*7,810	7,160	*5,020	3,760			*5,010	3,760	4.50
-9.8ft	lb			*17,220	15,790	*11,070	8,290			*11,050	8,290	(14.8)

1. Lifting capacity are based on 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 Lift point is bucket pivot mounting pin on the arm(without bucket mass).
4. (*) indicates load limited by hydraulic capacity.

LIFTING CAPACITY

Rating over-front Rating over-side or 360 degree

HW140 MONO BOOM

Boom: 4.6 m (15' 1") / Arm: 2.1 m (6' 11") / With rear dozer blade up and 1.700 kg counterweight

Lift-point height m (ft)		Lift-point radius								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
6.0m	kg					*3,870	*3,870			*3,400	3,390	5.17
19.7ft	lb					*8,530	*8,530			*7,500	7,470	(17.0)
4.5m	kg					*4,230	4,220	3,650	2,640	*3,200	2,560	6.10
14.8ft	lb					*9,330	9,300	8,050	5,820	*7,050	5,640	(20.0)
3.0m	kg					*5,200	4,000	3,590	2,570	3,100	2,230	6.57
9.8ft	lb					*11,460	8,820	7,910	5,670	6,830	4,920	(21.5)
1.5m	kg					5,460	3,780	3,490	2,490	2,980	2,130	6.66
4.9ft	lb					12,040	8,330	7,690	5,490	6,570	4,700	(21.8)
0.0m	kg			*6,800	*6,800	5,320	3,660	3,430	2,430	3,130	2,220	6.40
0.0ft	lb			*14,990	*14,990	11,730	8,070	7,560	5,360	6,900	4,890	(21.0)
-1.5m	kg	*6,280	*6,280	*9,700	6,990	5,310	3,640			3,670	2,590	5.74
-4.9ft	lb	*13,850	*13,850	*21,380	15,410	11,710	8,020			8,090	5,710	(18.8)
-3.0m	kg			*7,810	7,170	*5,020	3,770			*5,010	3,760	4.50
-9.8ft	lb			*17,220	15,810	*11,070	8,310			*11,050	8,290	(14.8)

Boom: 4.6 m (15' 1") / Arm: 2.5 m (8' 2") / With rear dozer blade down and 1.700 kg counterweight

Lift-point height m (ft)		Lift-point radius								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
7.5m	kg									*2,840	*2,840	4.14
24.6ft	lb									*6,260	*6,260	(13.6)
6.0m	kg					*3,390	*3,390			*2,350	*2,350	5.69
19.7ft	lb					*7,470	*7,470			*5,180	*5,180	(18.7)
4.5m	kg					*3,820	*3,820	3,680	2,650	*2,200	*2,200	6.54
14.8ft	lb					*8,420	*8,420	8,110	5,840	*4,850	*4,850	(21.5)
3.0m	kg			*6,890	*6,890	*4,820	4,030	3,590	2,570	*2,210	2,010	6.98
9.8ft	lb			*15,190	*15,190	*10,630	8,880	7,910	5,670	*4,870	4,430	(22.9)
1.5m	kg			*6,400	*6,400	5,480	3,780	3,480	2,470	*2,350	1,930	7.06
4.9ft	lb			*14,110	*14,110	12,080	8,330	7,670	5,450	*5,180	4,250	(23.2)
0.0m	kg			*6,930	6,880	5,300	3,620	3,400	2,390	*2,660	2,000	6.82
0.0ft	lb			*15,280	15,170	11,680	7,980	7,500	5,270	*5,860	4,410	(22.4)
-1.5m	kg	*5,450	*5,450	*10,000	6,880	5,250	3,580	3,390	2,380	3,230	2,280	6.21
-4.9ft	lb	*12,020	*12,020	*22,050	15,170	11,570	7,890	7,470	5,250	7,120	5,030	(20.4)
-3.0m	kg	*9,870	*9,870	*8,490	7,020	5,340	3,650			4,420	3,080	5.09
-9.8ft	lb	*21,760	*21,760	*18,720	15,480	11,770	8,050			9,740	6,790	(16.7)

Boom: 4.6 m (15' 1") / Arm: 2.5 m (8' 2") / With rear dozer blade up and 1.700 kg counterweight

Lift-point height m (ft)		Lift-point radius								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
7.5m	kg									*2,840	*2,840	4.14
24.6ft	lb									*6,260	*6,260	(13.6)
6.0m	kg					*3,390	*3,390			*2,350	*2,350	5.69
19.7ft	lb					*7,470	*7,470			*5,180	*5,180	(18.7)
4.5m	kg					*3,820	*3,820	3,680	2,660	*2,200	*2,200	6.54
14.8ft	lb					*8,420	*8,420	8,110	5,860	*4,850	*4,850	(21.5)
3.0m	kg			*6,890	*6,890	*4,820	4,030	3,590	2,580	*2,210	2,020	6.98
9.8ft	lb			*15,190	*15,190	*10,630	8,880	7,910	5,690	*4,870	4,450	(22.9)
1.5m	kg			*6,400	*6,400	5,480	3,790	3,480	2,470	*2,350	1,930	7.06
4.9ft	lb			*14,110	*14,110	12,080	8,360	7,670	5,450	*5,180	4,250	(23.2)
0.0m	kg			*6,930	6,900	5,300	3,630	3,400	2,400	*2,660	2,000	6.82
0.0ft	lb			*15,280	15,210	11,680	8,000	7,500	5,290	*5,860	4,410	(22.4)
-1.5m	kg	*5,450	*5,450	*10,000	6,900	5,250	3,590	3,390	2,390	3,230	2,280	6.21
-4.9ft	lb	*12,020	*12,020	*22,050	15,210	11,570	7,910	7,470	5,270	7,120	5,030	(20.4)
-3.0m	kg	*9,870	*9,870	*8,490	7,040	5,340	3,660			4,420	3,090	5.09
-9.8ft	lb	*21,760	*21,760	*18,720	15,520	11,770	8,070			9,740	6,810	(16.7)

1. Lifting capacity are based on 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 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

HW140 MONO BOOM

Boom: 4.6 m (15' 1") / Arm: 3.0 m (9' 10") / With rear dozer blade down and 1.700 kg counterweight

Lift-point height m (ft)		Lift-point radius										At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach
														m (ft)
7.5m	kg											*2,290	*2,290	4.89
24.6ft	lb											*5,050	*5,050	(16.0)
6.0m	kg							*2,550	*2,550			*1,970	*1,970	6.25
19.7ft	lb							*5,620	*5,620			*4,340	*4,340	(20.5)
4.5m	kg							*3,330	2,690			*1,870	*1,870	7.04
14.8ft	lb							*7,340	5,930			*4,120	*4,120	(23.1)
3.0m	kg			*5,760	*5,760	*4,320	4,100	3,620	2,600			*1,880	1,820	7.44
9.8ft	lb			*12,700	*12,700	*9,520	9,040	7,980	5,730			*4,140	4,010	(24.4)
1.5m	kg			*8,800	7,280	5,530	3,820	3,500	2,480	*2,110	1,750	*1,990	1,740	7.52
4.9ft	lb			*19,400	16,050	12,190	8,420	7,720	5,470	*4,650	3,860	*4,390	3,840	(24.7)
0.0m	kg			*7,320	6,900	5,310	3,630	3,390	2,380			*2,230	1,790	7.30
0.0ft	lb			*16,140	15210	11,710	8,000	7,470	5,250			*4,920	3,950	(23.9)
-1.5m	kg	*4,810	*4,810	*9,880	6,820	5,220	3,550	3,350	2,340			*2,710	2,000	6.73
-4.9ft	lb	*10,600	*10,600	*21,780	15,040	11,510	7,830	7,390	5,160			*5,970	4,410	(22.1)
-3.0m	kg	*8,180	*8,180	*9,180	6,910	5,260	3,580					3,660	2,560	5.71
-9.8ft	lb	*18,030	*18,030	*20,240	15,230	11,600	7,890					8,070	5,640	(18.7)
-4.5m	kg													
-14.8ft	lb													

Boom: 4.6 m (15' 1") / Arm: 3.0 m (9' 10") / With rear dozer blade up and 1.700 kg counterweight

Lift-point height m (ft)		Lift-point radius										At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach
														m (ft)
7.5m	kg											*2,290	*2,290	4.89
24.6ft	lb											*5,050	*5,050	(16.0)
6.0m	kg							*2,550	*2,550			*1,970	*1,970	6.25
19.7ft	lb							*5,620	*5,620			*4,340	*4,340	(20.5)
4.5m	kg							*3,330	2,700			*1,870	*1,870	7.04
14.8ft	lb							*7,340	5,950			*4,120	*4,120	(23.1)
3.0m	kg			*5,760	*5,760	*4,320	4,100	3,620	2,600			*1,880	1,820	7.44
9.8ft	lb			*12,700	*12,700	*9,520	9,040	7,980	5,730			*4,140	4,010	(24.4)
1.5m	kg			*8,800	7,300	5,530	3,830	3,500	2,480	*2,110	1,750	*1,990	1,750	7.52
4.9ft	lb			*19,400	16,090	12,190	8,440	7,720	5,470	*4,650	3,860	*4,390	3,860	(24.7)
0.0m	kg			*7,320	6,920	5,310	3,640	3,390	2,390			*2,230	1,800	7.30
0.0ft	lb			*16,140	15,260	11,710	8,020	7,470	5,270			*4,920	3,970	(23.9)
-1.5m	kg	*4,810	*4,810	*9,880	6,840	5,220	3,560	3,350	2,350			*2,710	2,010	6.73
-4.9ft	lb	*10,600	*10,600	*21,780	15,080	11,510	7,850	7,390	5,180			*5,970	4,430	(22.1)
-3.0m	kg	*8,180	*8,180	*9,180	6,930	5,260	3,590					3,660	2,570	5.71
-9.8ft	lb	*18,030	*18,030	*20,240	15,280	11,600	7,910					8,070	5,670	(18.7)
-4.5m	kg													
-14.8ft	lb													

1. Lifting capacity are based on 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 Lift point is bucket pivot mounting pin on the arm(without bucket mass).
4. (*) indicates load limited by hydraulic capacity.

LIFTING CAPACITY

Rating over-front Rating over-side or 360 degree

HW140 2-PIECE BOOM

Boom: 4.9 m (16' 1") / Arm: 1.9 m (6' 3") / With rear dozer blade down and 1.700 kg counterweight

Lift-point height m (ft)		Lift-point radius 3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		At max. reach Capacity		Reach m (ft)
7.5m	kg							*4,170	*4,170	3.81
24.6ft	lb							*9,190	*9,190	(12.5)
6.0m	kg			*3,690	*3,690			*3,650	3,100	5.46
19.7ft	lb			*8,140	*8,140			*8,050	6,830	(17.9)
4.5m	kg	*5,330	*5,330	*4,190	*4,190	3,680	2,640	3,340	2,390	6.35
14.8ft	lb	*11,750	*11,750	*9,240	*9,240	8,110	5,820	7,360	5,270	(20.8)
3.0m	kg			*5,210	3,940	3,590	2,560	2,950	2,100	6.79
9.8ft	lb			*11,490	8,690	7,910	5,640	6,500	4,630	(22.3)
1.5m	kg			5,420	3,710	3,490	2,460	2,840	2,010	6.88
4.9ft	lb			11,950	8,180	7,690	5,420	6,260	4,430	(22.6)
0.0m	kg			5,300	3,600	3,420	2,400	2,970	2,100	6.63
0.0ft	lb			11,680	7,940	7,540	5,290	6,550	4,630	(21.8)
-1.5m	kg	*9,340	6,950	5,300	3,600	3,450	2,420	3,450	2,420	6.00
-4.9ft	lb	*20,590	15,320	11,680	7,940	7,610	5,340	7,610	5,340	(19.7)

Boom: 4.9 m (16' 1") / Arm: 1.9 m (6' 3") / With rear dozer blade up and 1.700 kg counterweight

Lift-point height m (ft)		Lift-point radius 3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		At max. reach Capacity		Reach m (ft)
7.5m	kg							*4,170	*4,170	3.81
24.6ft	lb							*9,190	*9,190	(12.5)
6.0m	kg			*3,690	*3,690			*3,650	3,110	5.46
19.7ft	lb			*8,140	*8,140			*8,050	6,860	(17.9)
4.5m	kg	*5,330	*5,330	*4,190	*4,190	3,680	2,640	3,340	2,390	6.35
14.8ft	lb	*11,750	*11,750	*9,240	*9,240	8,110	5,820	7,360	5,270	(20.8)
3.0m	kg			*5,210	3,940	3,590	2,560	2,950	2,100	6.79
9.8ft	lb			*11,490	8,690	7,910	5,640	6,500	4,630	(22.3)
1.5m	kg			5,420	3,710	3,490	2,460	2,840	2,020	6.88
4.9ft	lb			11,950	8,180	7,690	5,420	6,260	4,450	(22.6)
0.0m	kg			5,300	3,610	3,420	2,400	2,970	2,100	6.63
0.0ft	lb			11,680	7,960	7,540	5,290	6,550	4,630	(21.8)
-1.5m	kg	*9,340	6,970	5,300	3,610	3,450	2,430	3,450	2,430	6.00
-4.9ft	lb	*20,590	15,370	11,680	7,960	7,610	5,360	7,610	5,360	(19.7)

Boom: 4.9 m (16' 1") / Arm: 2.1 m (6' 11") / With rear dozer blade down and 1.700 kg counterweight

Lift-point height m (ft)		Lift-point radius 3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		At max. reach Capacity		Reach m (ft)
7.5m	kg							*3,900	*3,900	4.13
24.6ft	lb							*8,600	*8,600	(13.6)
6.0m	kg			*3,480	*3480			*3,480	2,910	5.68
19.7ft	lb			*7,670	*7670			*7,670	6,420	(18.6)
4.5m	kg	*4,930	*4,930	*4,000	*4000	3,690	2,640	3,180	2,270	6.54
14.8ft	lb	*10,870	*10,870	*8,820	*8820	8,140	5,820	7,010	5,000	(21.5)
3.0m	kg			*5,030	3,950	3,590	2,550	2,820	2,000	6.97
9.8ft	lb			*11,090	8,710	7,910	5,620	6,220	4,410	(22.9)
1.5m	kg			5,420	3,700	3,480	2,440	2,720	1,920	7.06
4.9ft	lb			11,950	8,160	7,670	5,380	6,000	4,230	(23.2)
0.0m	kg			5,270	3,570	3,400	2,380	2,830	1,990	6.82
0.0ft	lb			11,620	7,870	7,500	5,250	6,240	4,390	(22.4)
-1.5m	kg	*8,950	6,880	5,260	3,560	3,410	2,380	3,260	2,280	6.21
-4.9ft	lb	*19,730	15,170	11,600	7,850	7,520	5,250	7,190	5,030	(20.4)

1. Lifting capacity are based on 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 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

HW140 2-PIECE BOOM

Boom: 4.9 m (16' 1") / Arm: 2.1 m (6' 11") / With rear dozer blade up and 1.700 kg counterweight

Lift-point height m (ft)		Lift-point radius 3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		At max. reach Capacity		Reach m (ft)
7.5m	kg							*3,900	*3,900	4.13
24.6ft	lb							*8,600	*8,600	(13.6)
6.0m	kg			*3,480	*3,480			*3,480	2,920	5.68
19.7ft	lb			*7,670	*7,670			*7,670	6,440	(18.6)
4.5m	kg	*4,930	*4,930	*4,000	*4,000	3,690	2,650	3,180	2,280	6.54
14.8ft	lb	*10,870	*10,870	*8,820	*8,820	8,140	5,840	7,010	5,030	(21.5)
3.0m	kg			*5,030	3,950	3,590	2,560	2,820	2,010	6.97
9.8ft	lb			*11,090	8,710	7,910	5,640	6,220	4,430	(22.9)
1.5m	kg			5,420	3,710	3,480	2,450	2,720	1,930	7.06
4.9ft	lb			11,950	8,180	7,670	5,400	6,000	4,250	(23.2)
0.0m	kg			5,270	3,580	3,400	2,380	2,830	2,000	6.82
0.0ft	lb			11,620	7,890	7,500	5,250	6,240	4,410	(22.4)
-1.5m	kg	*8,950	6,900	5,260	3,570	3,410	2,390	3,260	2,290	6.21
-4.9ft	lb	*19,730	15,210	11,600	7,870	7,520	5,270	7,190	5,050	(20.4)

Boom: 4.9 m (16' 9") / Arm: 2.5 m (8' 2") / With rear dozer blade down and 1.700 kg counterweight

Lift-point height m (ft)		Lift-point radius 3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		At max. reach Capacity		Reach m (ft)
7.5m	kg			*3,350	*3,350					*2,860	*2,860	4.80
24.6ft	lb			*7,390	*7,390					*6,310	*6,310	(15.8)
6.0m	kg			*3,060	*3,060	*3,090	2,690			*2,420	*2,420	6.18
19.7ft	lb			*6,750	*6,750	*6,810	5,930			*5,340	*5,340	(20.3)
4.5m	kg			*3,610	*3,610	*3,400	2,660			*2,260	2,040	6.98
14.8ft	lb			*7,960	*7,960	*7,500	5,860			*4,980	4,500	(22.9)
3.0m	kg			*4,660	3,990	3,600	2,560			*2,250	1,820	7.39
9.8ft	lb			*10,270	8,800	7,940	5,640			*4,960	4,010	(24.2)
1.5m	kg			5,430	3,710	3,470	2,430			*2,350	1,750	7.47
4.9ft	lb			11,970	8,180	7,650	5,360			*5,180	3,860	(24.5)
0.0m	kg	*4,280	*4,280	5,250	3,550	3,370	2,350			2,570	1,800	7.24
0.0ft	lb	*9,440	*9,440	11,570	7,830	7,430	5,180			5,670	3,970	(23.8)
-1.5m	kg	*7,910	6,760	5,200	3,510	3,350	2,330			2,900	2,030	6.67
-4.9ft	lb	*17,440	14,900	11,460	7,740	7,390	5,140			6,390	4,480	(21.9)
-3.0m	kg			5,280	3,580							
-9.8ft	lb			11,640	7,890							

Boom: 4.9 m (16' 1") / Arm: 2.5 m (8' 2") / With rear dozer blade up and 1.700 kg counterweight

Lift-point height m (ft)		Lift-point radius 3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		At max. reach Capacity		Reach m (ft)
7.5m	kg			*3,350	*3,350					*2,860	*2,860	4.80
24.6ft	lb			*7,390	*7,390					*6,310	*6,310	(15.8)
6.0m	kg			*3,060	*3,060	*3,090	2,700			*2,420	*2,420	6.18
19.7ft	lb			*6,750	*6,750	*6,810	5,950			*5,340	*5,340	(20.3)
4.5m	kg			*3,610	*3,610	*3,400	2,670			*2,260	2,040	6.98
14.8ft	lb			*7,960	*7,960	*7,500	5,890			*4,980	4,500	(22.9)
3.0m	kg			*4,660	3,990	3,600	2,560			*2,250	1,820	7.39
9.8ft	lb			*10,270	8,800	7,940	5,640			*4,960	4,010	(24.2)
1.5m	kg			5,430	3,720	3,470	2,440			*2,350	1,750	7.47
4.9ft	lb			11,970	8,200	7,650	5,380			*5,180	3,860	(24.5)
0.0m	kg	*4,280	*4,280	5,250	3,550	3,370	2,350			2,570	1,810	7.24
0.0ft	lb	*9,440	*9,440	11,570	7,830	7,430	5,180			5,670	3,990	(23.8)
-1.5m	kg	*7,910	6,780	5,200	3,510	3,350	2,330			2,900	2,030	6.67
-4.9ft	lb	*17,440	14,950	11,460	7,740	7,390	5,140			6,390	4,480	(21.9)
-3.0m	kg			5,280	3,580							
-9.8ft	lb			11,640	7,890							

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3. The Lift point is bucket pivot mounting pin on the arm(without bucket mass).
4. (*) indicates load limited by hydraulic capacity.