

Gross Power

129 kW (173 hp) at 2,200 rpm

Net Power

127 kW (170 hp) at 2,200 rpm

Operating Weight

Mono boom | 14,900kg (32,850 lb)

2-Piece boom | 15,860 kg (34,960 lb)

HW140A

With EU Stage V Engine Installed



▲ HYUNDAI CONSTRUCTION EQUIPMENT

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PLEASE CONTACT

WHAT'S NEWEST AND BEST

THE BEST PRODUCTIVITY AND FUEL EFFICIENCY

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

ULTIMATE DURABILITY

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

EASY CONTROL AND COMFORTABLE OPERATION

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

THE ULTIMATE SAFE ENVIRONMENT

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

HW140A

SERVICEABILITY AND TELEMATICS

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



*Photo may include optional equipment.

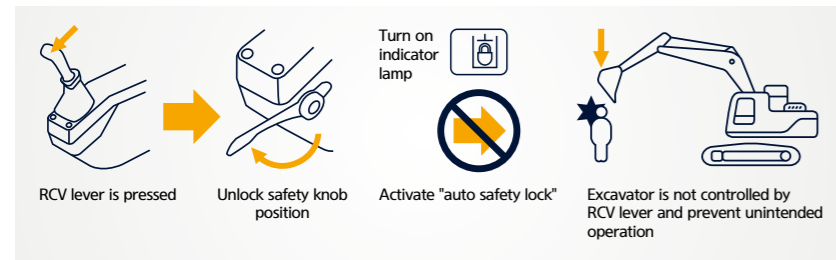
HW140A with advanced technology ensures our safety on a construction site.



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

Auto Safety Lock **NEW**

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



Electronic Swing Parking Brake Control **NEW**

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

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

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

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



Radar with 2nd Monitor **NEW**

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



Rear and Mirror View Camera **NEW Option**

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



Cruise Control & Speed Limiter **NEW Option**

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

Seatbelt Warning Signal

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

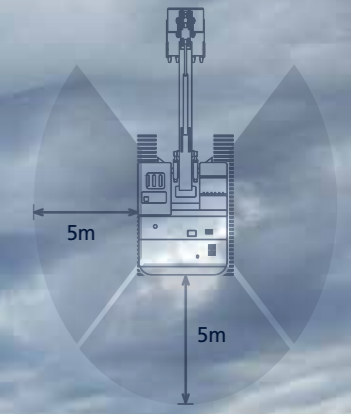
Cabin Suspension Mount

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



THE ULTIMATE SAFE ENVIRONMENT

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



*Photo may include optional equipment.

SPECIFICATIONS

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

HYDRAULIC SYSTEM	
Advanced Load Sensing System(LUDV) Load independent flow sharing	

MAIN PUMP	
Type	Variable displacement pump
Max. flow	230 lpm @ 1,600 rpm

AUX PUMP FOR STEERING OR ROTATION PIPING	
Type	Piston pumps
Max. flow	50 lpm

HYDRAULIC MOTORS	
Travel	Bent - axis pistons motor
Swing	Radial Piston Motor

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

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

* Hyundai Bio Hydraulic Oil (HBHO) available

DRIVES & BRAKES	
4-wheel hydrostatic drive. Constant mesh, helical gear transmission provides 2 forward and reverse travel speeds.	
Max. drawbar pull	8,163 kgf
Travel speed	1st 9.5 km/h
	2nd 35 km/h or 20 km/h (Option)
Gradeability	30°

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

AXLE & WHEEL	
Full floating front axle is supported by center pin for oscillation. It can be locked by oscillation lock cylinders. Rear axle is fixed on the lower chassis.	
Tires	9.00-20-14PR, Dual (Tube type)
(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	6,270 (20' 7") mm

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

SERVICE CAPACITIES			
	liter	US gal	UK gal
Fuel tank	250	66.0	55.0
Engine coolant	23	6.1	5.1
Engine oil	11.0	2.9	2.4
Swing device - gear oil (OPT)	6.2 (5.0)	1.64 (1.3)	1.36 (1.09)
Swing device - grease (OPT)	(1.2)	(0.32)	(0.26)
Axle	Front	15.5	4.09
	Rear	17.5	4.62
Transmission	2.5	0.7	0.5
Hydraulic system (including tank)	204	53.9	44.9
Hydraulic tank	122	32.2	26.8
DEF/AdBlue®	48	12.7	10.6

UNDERCARRIAGE	
Reinforced box-section frame is all-welded, low-stress. Dozer blade and outriggers are available. A pin-on design.	
Dozer blade	A very useful addition for leveling and back filling or clean-up work.
Outrigger	Indicated for max. operation stability when digging and lifting. Can be mounted on the front/or the rear.

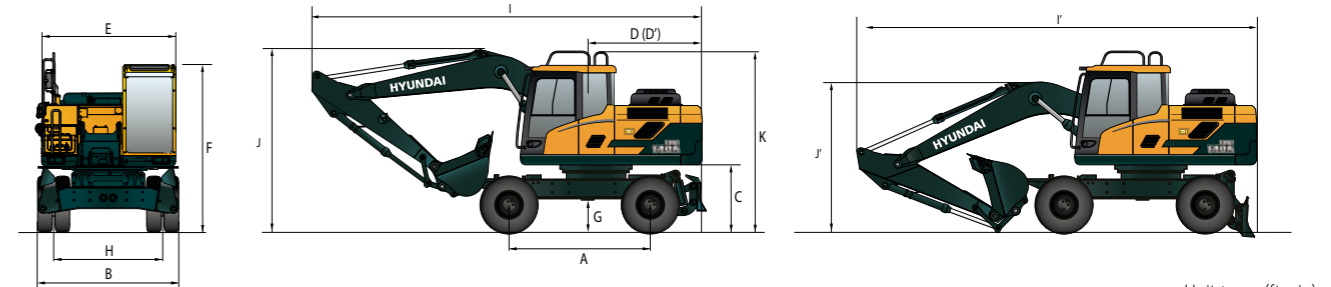
OPERATING WEIGHT (APPROXIMATE)	
Operating weight, including 4,600mm (15' 1") Mono boom, 4,710 (15' 5") 2-Piece boom, 2,450mm (8' 0") Arm, SAE heaped 0.71 m ³ (0.93 yd ³) backhoe bucket, lubricant, coolant, full fuel tank, hydraulic tank and the standard equipment.	

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

AIR CONDITIONING SYSTEM	
The air condition system for the machine contains the fluorinated greenhouse gas with global warming potential of R134a. (Global Warming Potential : 1430) The system hold 0.65kg refrigerant consisting of a CO ₂ equivalent 0.93kg metric tonne. For more information, Please refer to the manual.	

DIMENSIONS & WORKING RANGE

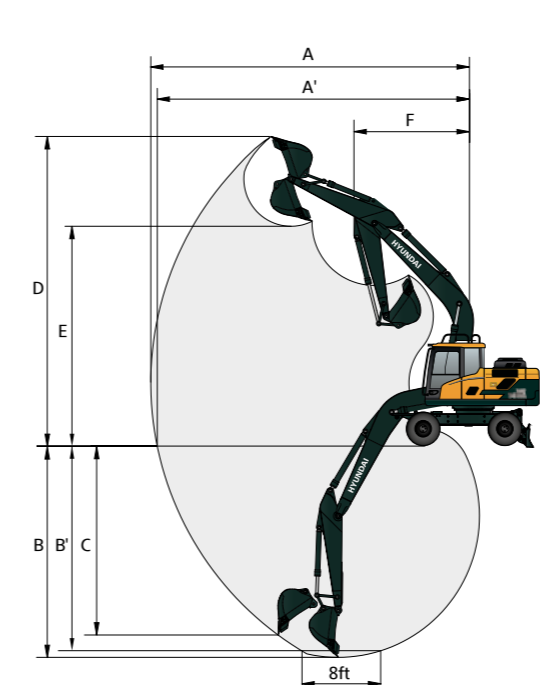
HW140A MONO BOOM DIMENSIONS	
4.6 m (15' 1") Mono boom, 2.0 m (6' 7"), 2.45 m (8' 0"), 2.6 m (8' 6"), 3.1 m (10' 2") Arm, Rear dozer	



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

		Unit : mm (ft · in)			
I	Overall length (Traveling position)	7,740 (25' 5")	7,560 (24' 10")	7,470 (25' 2")	7,360 (24' 2")
	Overall length (Shipping position)	7,600 (24' 11")	7,660 (25' 2")	7,670 (25' 2")	7,600 (24' 11")
J	Overall height of boom (Traveling position)	3,420 (11' 3")	3,805 (12' 6")	3,925 (12' 11")	4,000 (13' 1")
	Overall height of boom (Shipping position)	2,825 (9' 3")	3,030 (9' 11")	3,150 (10' 4")	3,520 (11' 7")

HW140A MONO BOOM WORKING RANGE	
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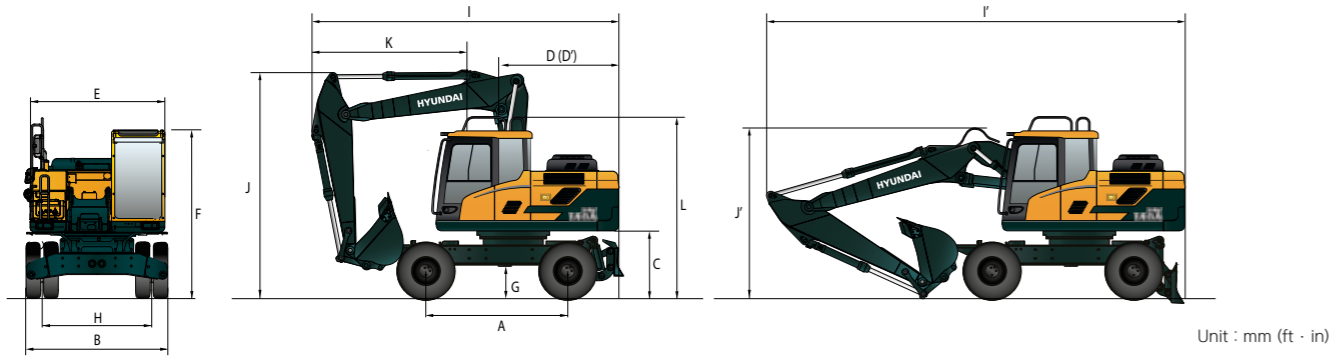


		Unit : mm (ft · in)			
Boom length		4,600 (15' 1")			
Arm length		2,000 (6' 7")	2,450 (8' 0")	2,600 (8' 6")	3,100 (10' 2")
A	Max. digging reach	7,880 (25' 10")	8,310 (27' 3")	8,450 (27' 9")	8,910 (29' 3")
	Max. digging reach on ground	7,640 (25' 1")	8,080 (26' 6")	8,230 (27' 0")	8,700 (28' 7")
B	Max.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

DIMENSIONS & WORKING RANGE

HW140A 2-PIECE BOOM DIMENSIONS

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

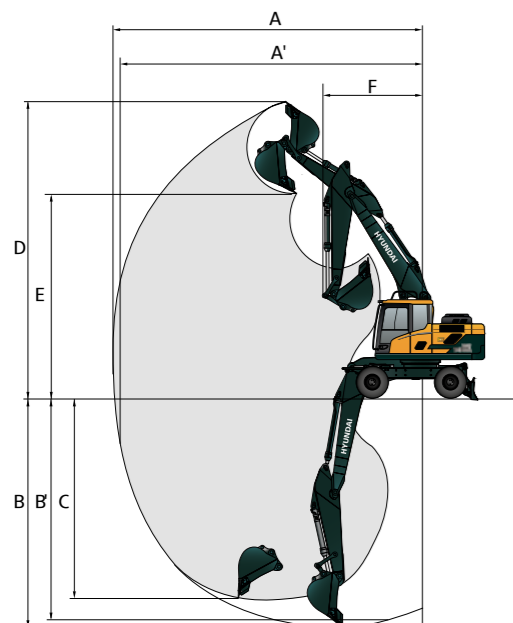


A	Wheel base	2,600 (8' 6")
B	Overall width (STD)	2,530 (8' 4")
C	Ground clearance of counterweight	1,260 (4' 2")
D	Rear-end distance	2,150 (7' 1")
D'	Rear-end swing radius	2,150 (7' 1")
E	Upperstructure width	2,485 (8' 2")
F	Overall height of cab	3,255 (10' 8")
G	Min. ground clearance	390 (1' 3")
H	Tread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

Boom length		4,710 (15' 5")		
Arm length		2,000 (6' 7")	2,450 (8' 0")	2,600 (8' 6")
I	Overall length (Traveling position)	5,840 (19' 2")	5,810 (19' 1")	5,785 (19' 0")
I'	Overall length (Shipping position)	7,770 (25' 6")	7,770 (25' 6")	7,780 (25' 6")
J	Overall height of boom (Traveling position)	4,000 (13' 1")	3,990 (13' 1")	4,000 (13' 1")
J'	Overall height of boom (Shipping position)	2,950 (9' 8")	3,000 (9' 10")	3,050 (10' 0")
K	End of attachment to steering wheel	2,750 (9' 0")	2,720 (8' 11")	2,690 (8' 10")

Unit : mm (ft · in)

HW140A 2-PIECE BOOM WORKING RANGE



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

Unit : mm (ft · in)

LIFTING CAPACITY

Rating over-front Rating over-side or 360 degree

HW140A MONO BOOM

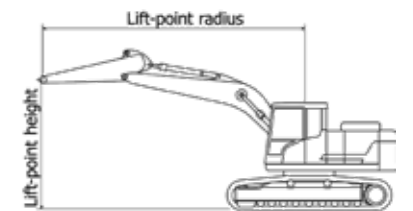
4.60 m (15' 1") Mono boom, 2.00 m (6' 7") arm equipped with STD counter weight, dozer up

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

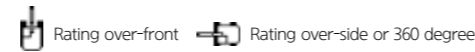
4.60 m (15' 1") Mono boom, 2.00 m (6' 7") arm equipped with Heavy counter weight, dozer up

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

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



LIFTING CAPACITY



HW140A MONO BOOM

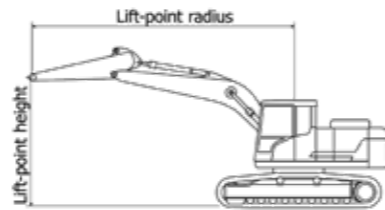
4.60 m (15' 1") Mono boom, 2.45 m (8' 0") arm equipped with STD counter weight, dozer up

Lift-point height m (ft)	Lift-point radius								At max. reach			
	1.5m (4.9ft)		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		Capacity		Reach m (ft)	
	Over-front	Over-side	Over-front	Over-side	Over-front	Over-side	Over-front	Over-side	Over-front	Over-side		
7.5m 24.6ft	kg lb									*2,890 *6,370	*2,890 *6,370	4.16 (13.6)
6.0m 19.7ft	kg lb									*2,390 *5,270	*2,250 4,960	5.70 (18.7)
4.5m 14.8ft	kg lb									*2,250 *4,960	1,750 3,860	6.55 (21.5)
3.0m 9.8ft	kg lb									*2,260 *4,980	1,530 3,370	6.97 (22.9)
1.5m 4.9ft	kg lb									*2,410 *5,310	1,460 3,220	7.05 (23.1)
0.0m 0.0ft	kg lb									*2,740 *6,040	1,510 3,330	6.79 (22.3)
-1.5m -4.9ft	kg lb	*5,600 *12,350	*5,600 *12,350	*9,980 *22,000	4,800 10,580	5,060 11,160	2,640 5,820	3,300 7,280	1,790 3,950	3,190 7,030	1,730 3,810	6.16 (20.2)
-3.0m -9.8ft	kg lb			*7,990 *17,610	4,940 10,890	5,160 11,380	2,720 6,000			4,400 9,700	2,370 5,220	5.01 (16.4)

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

Lift-point height m (ft)	Lift-point radius								At max. reach			
	1.5m (4.9ft)		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		Capacity		Reach m (ft)	
	Over-front	Over-side	Over-front	Over-side	Over-front	Over-side	Over-front	Over-side	Over-front	Over-side		
7.5m 24.6ft	kg lb									*2,890 *6,370	*2,890 *6,370	4.16 (13.6)
6.0m 19.7ft	kg lb									*2,390 *5,270	*2,390 *5,270	5.70 (18.7)
4.5m 14.8ft	kg lb									*2,250 *4,960	1,940 4,280	6.55 (21.5)
3.0m 9.8ft	kg lb									*2,260 *4,980	1,710 3,770	6.97 (22.9)
1.5m 4.9ft	kg lb									*2,410 *5,310	1,630 3,590	7.05 (23.1)
0.0m 0.0ft	kg lb									*2,740 *6,040	1,630 3,730	6.79 (22.3)
-1.5m -4.9ft	kg lb	*5,600 *12,350	*5,600 *12,350	*9,980 *22,000	5,330 11,750	5,490 12,100	2,940 6,480	3,590 7,910	2,000 4,410	*3,430 *7,560	1,940 4,280	6.16 (20.2)
-3.0m -9.8ft	kg lb			*7,990 *17,610	5,480 12,080	*5,350 *11,790	3,020 6,660			*4,450 *9,810	2,640 5,820	5.01 (16.4)

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



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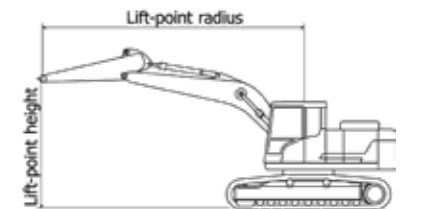
4.60 m (15' 1") Mono boom, 2.60 m (8' 6") arm equipped with STD counter weight, dozer up

Lift-point height m (ft)	Lift-point radius								At max. reach				
	1.5m (4.9ft)		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		Capacity		Reach m (ft)		
	Over-front	Over-side	Over-front	Over-side	Over-front	Over-side	Over-front	Over-side	Over-front	Over-side			
7.5m 24.6ft	kg lb									*2,660 *5,860	*2,660 *5,860	4.40 (14.4)	
6.0m 19.7ft	kg lb									*2,230 *4,920	2,140 4,720	5.87 (19.3)	
4.5m 14.8ft	kg lb									*2,100 *4,630	1,690 3,730	6.70 (22.0)	
3.0m 9.8ft	kg lb									*2,110 *4,650	1,480 3,260	7.12 (23.3)	
1.5m 4.9ft	kg lb									*2,250 *4,960	1,410 3,110	7.19 (23.6)	
0.0m 0.0ft	kg lb									*2,540 *5,600	1,460 3,220	6.94 (22.8)	
-1.5m -4.9ft	kg lb	*5,360 *11,820	*5,360 *11,820	*10,110 *22,290	4,760 10,490	5,040 11,110	2,620 5,780	3,290 7,250	1,770 3,900	3,060 6,750	1,660 3,660	6.33 (20.8)	
-3.0m -9.8ft	kg lb			*9,520 *20,990	*9,520 *20,990	*8,270 *18,230	4,900 10,800	5,120 11,290	2,690 5,930		4,130 9,110	2,220 4,890	5.21 (17.1)

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

Lift-point height m (ft)	Lift-point radius								At max. reach				
	1.5m (4.9ft)		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		Capacity		Reach m (ft)		
	Over-front	Over-side	Over-front	Over-side	Over-front	Over-side	Over-front	Over-side	Over-front	Over-side			
7.5m 24.6ft	kg lb									*2,660 *5,860	*2,660 *5,860	4.40 (14.4)	
6.0m 19.7ft	kg lb									*2,230 *4,920	*2,230 *4,920	5.87 (19.3)	
4.5m 14.8ft	kg lb									*2,100 *4,630	1,870 4,120	6.70 (22.0)	
3.0m 9.8ft	kg lb									*2,110 *4,650	1,660 3,660	7.12 (23.3)	
1.5m 4.9ft	kg lb									*2,250 *4,960	1,580 3,480	7.19 (23.6)	
0.0m 0.0ft	kg lb									*2,540 *5,600	1,640 3,620	6.94 (22.8)	
-1.5m -4.9ft	kg lb	*5,360 *11,820	*5,360 *11,820	*10,110 *22,290	5,300 11,680	5,470 12,060	2,930 6,460	3,570 7,870	1,990 4,390	*3,140 *6,920	1,860 4,100	6.33 (20.8)	
-3.0m -9.8ft	kg lb			*9,520 *20,990	*9,520 *20,990	*8,270 *18,230	5,430 11,970	5,550 12,240	3,000 6,610		*4,400 *9,700	2,480 5,470	5.21 (17.1)

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



LIFTING CAPACITY



HW140A MONO BOOM

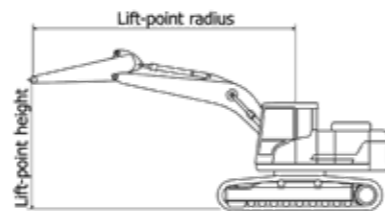
4.60 m (15' 1") Mono boom, 2.00 m (6' 7") arm equipped with STD counter weight, dozer down

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

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

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

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



HW140A MONO BOOM

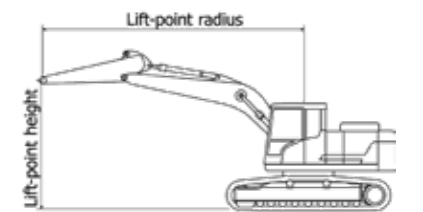
4.60 m (15' 1") Mono boom, 2.45 m (8' 0") arm equipped with STD counter weight, dozer down

Lift-point height m (ft)		Lift-point radius								At max. reach		
		1.5m (4.9ft)		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		Capacity		Reach
		Rating over-front	Rating over-side or 360 degree	Rating over-front	Rating over-side or 360 degree	Rating over-front	Rating over-side or 360 degree	Rating over-front	Rating over-side or 360 degree	kg (lb)	kg (lb)	m (ft)
7.5m	kg									*2,890	*2,890	4.16
24.6ft	lb									*6,370	*6,370	(13.6)
6.0m	kg							*3,880	3,740	*2,390	*2,390	5.70
19.7ft	lb							*8,550	8,250	*5,270	*5,270	(18.7)
4.5m	kg							*4,330	3,620	3,590	2,270	6.55
14.8ft	lb							*9,550	7,980	7,910	5,000	(21.5)
3.0m	kg					*7,850	6,310	*5,330	3,390	3,500	2,180	6.97
9.8ft	lb					*17,310	13,910	*11,750	7,470	7,720	4,810	(22.9)
1.5m	kg					*5,690	5,650	5,270	3,150	3,390	2,080	7.05
4.9ft	lb					*12,540	12,460	11,620	6,940	7,470	4,590	(23.1)
0.0m	kg					*6,760	5,460	5,100	3,000	3,310	2,010	6.79
0.0ft	lb					*14,900	12,040	11,240	6,610	7,300	4,430	(22.3)
-1.5m	kg	*5,600	*5,600	*9,980	5,480	5,060	2,960			3,300	2,000	6.16
-4.9ft	lb	*12,350	*12,350	*22,000	12,080	11,160	6,530			7,280	4,410	(20.2)
-3.0m	kg			*7,990	5,620	5,160	3,050					5.01
-9.8ft	lb			*17,610	12,390	11,380	6,720					(16.4)

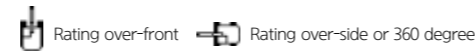
4.60 m (15' 1") Mono boom, 2.45 m (8' 0") arm equipped with Heavy counter weight, dozer down

Lift-point height m (ft)		Lift-point radius								At max. reach		
		1.5m (4.9ft)		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		Capacity		Reach
		Rating over-front	Rating over-side or 360 degree	Rating over-front	Rating over-side or 360 degree	Rating over-front	Rating over-side or 360 degree	Rating over-front	Rating over-side or 360 degree	kg (lb)	kg (lb)	m (ft)
7.5m	kg									*2,890	*2,890	4.16
24.6ft	lb									*6,370	*6,370	(13.6)
6.0m	kg							*3,880	*3,880	*2,390	*2,390	5.70
19.7ft	lb							*8,550	*8,550	*5,270	*5,270	(18.7)
4.5m	kg							*4,330	3,940	*2,250	2,140	6.55
14.8ft	lb							*9,550	8,690	*4,960	4,720	(21.5)
3.0m	kg					*7,850	6,880	*5,330	3,710	3,790	2,410	6.97
9.8ft	lb					*17,310	15,170	*11,750	8,180	8,360	5,310	(22.9)
1.5m	kg					*5,690	*5,690	5,700	3,470	3,670	2,300	7.05
4.9ft	lb					*12,540	*12,540	12,570	7,650	8,090	5,070	(23.1)
0.0m	kg					*6,760	6,030	5,530	3,320	3,590	2,230	6.79
0.0ft	lb					*14,900	13,290	12,190	7,320	7,910	4,920	(22.3)
-1.5m	kg	*5,600	*5,600	*9,980	6,050	5,490	3,290			3,590	2,230	6.16
-4.9ft	lb	*12,350	*12,350	*22,000	13,340	12,100	7,250			7,910	4,920	(20.2)
-3.0m	kg			*7,990	6,200	*5,350	3,370					5.01
-9.8ft	lb			*17,610	13,670	*11,790	7,430					(16.4)

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



LIFTING CAPACITY



HW140A MONO BOOM

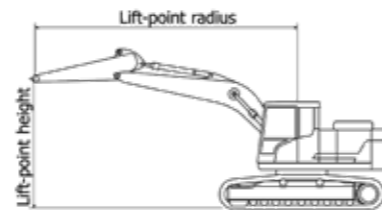
4.60 m (15' 1") Mono boom, 2.60 m (8' 6") arm equipped with STD counter weight, dozer down

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

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

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

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



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

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

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

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

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

