

SPECIFICATIONS

HX180 L

ENGINE			
Maker / Model			Perkins / 1204F
Type			Water-cooled, 4-cycle diesel, 4-cylinder in-line, Direct injection, Turbocharged, Charge and air cooled
Rated flywheel horse power	SAE	J1995 (gross)	102.1 kW (137 HP) at 2,050 rpm
		J1349 (net)	96 kW (128 HP) at 2,050 rpm
	DIN	6271/1 (gross)	102.1 kW (139 PS) at 2,050 rpm
		6271/1 (net)	96 kW (130 PS) at 2,050 rpm
Max. torque			57.1 kgf-m (413 lbf-ft) at 1,400 rpm
Bore x stroke			105 x 127 mm (4.13" x 5.0")
Piston displacement			4,400 cc (268.5 cu in)
Batteries			2 x 12 V x 100 Ah
Starting motor			24 V - 4.5 kW
Alternator			24 V - 100 A

HYDRAULIC SYSTEM

MAIN PUMP

Type	Two variable displacement piston pumps
Max. flow	2 x 164 l/min (43.3 US gpm / 36.1 UK gpm)
Sub-pump for pilot circuit	Gear pump

Cross-sensing and fuel saving pump system

HYDRAULIC MOTORS

Travel	Two speed axial pistons motor with brake valve and parking brake
Swing	Axial piston motor with automatic brake

RELIEF VALVE SETTING

Implement circuits	350 kgf/cm ² (4,980 psi)
Travel	350 kgf/cm ² (4,980 psi)
Power boost (boom, arm, bucket)	380 kgf/cm ² (5,400 psi)
Swing circuit	285 kgf/cm ² (4,054 psi)
Pilot circuit	40 kgf/cm ² (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")	
	Dozer Blade: 2 - 110 x 320 mm (4.3" x 12.6")	
	2-Piece Boom	1st: 2 - 115 x 960 mm (4.5" x 37.8")
		2nd: 1 - 160 x 650 mm (6.3" x 25.6")

DRIVES & BRAKES

Drive method	Fully hydrostatic type
Drive motor	Two speed axial pistons motor
Reduction system	Planetary reduction gear
Max. drawbar pull	17,000 kgf (37,500 lbf)
Max. travel speed (high / low)	5.3 km/hr (3.3 mph) / 3.2 km/hr (2.0 mph)
Gradeability	35° (70%)
Parking brake	Multi wet disc

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)
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CONTROL

Traveling and steering	Two levers with pedals
Engine throttle	Electric, Dial type
Lights	Two lights mounted on the boom, Two on the upper frame

SWING SYSTEM

Swing motor	Axial piston motor
Swing reduction	Planetary gear reduction
Swing bearing lubrication	Grease-bathed
Swing brake	Multi wet disc
Swing speed	10.3 rpm

SERVICE REFILL CAPACITIES

	liter	US gal	UK gal
Re-filling			
Fuel tank	290	76.6	63.8
Engine coolant	27.5	7.3	6.0
Engine oil	10.5	2.8	2.3
Swing device - gear oil	6.2	1.6	1.4
Final drive (each) - gear oil	5.8	1.5	1.3
Hydraulic system (including tank)	240	63.4	52.8
Hydraulic tank	125	33.0	27.5
DEF/AdBlue® tank	19	5.0	4.2

UNDERCARRIAGE

The X-leg type center frame is integrally welded with reinforced box-section track frames. The undercarriage includes lubricated rollers, idlers, track adjusters with shock absorbing springs and sprockets and a track chain with double or triple grouser shoes.

Center frame	X - leg type
Track frame	Pentagonal box type
No. of shoes on each side	51 EA
No. of carrier roller on each side	2 EA
No. of track roller on each side	7 EA
No. of rail guard on each side	1 EA

OPERATING WEIGHT (APPROXIMATE)

Operating weight, including 5,100 mm (16' 9") boom; 2,600 mm (8' 6") arm; SAE heaped 0.76 m³ (0.99 yd³) bucket, lubricant, coolant, full fuel tank, full hydraulic tank and all standard equipments.

OPERATING WEIGHT

Shoes		Operating weight		Ground pressure
Type	Width mm (in)	kg (lb)		kgf / cm ² (psi)
Triple grouser	500 (20")	HX180L	18,540 (40,870)	0.51 (7.25)
		HX180LD	19,440 (42,860)	0.54 (7.68)
		HX180NL	18,440 (40,650)	0.51 (7.25)
	600 (24")	HX180L	18,800 (41,450)	0.43 (6.11)
		HX180LD	19,700 (43,430)	0.45 (6.40)
		HX180NL	18,700 (41,230)	0.43 (6.11)
	700 (28")	HX180L	19,050 (42,000)	0.38 (5.40)
		HX180LD	19,950 (43,980)	0.39 (5.55)
		HX180NL	18,950 (41,780)	0.37 (5.26)
	800 (32")	HX180L	19,310 (42,570)	0.33 (4.69)
		HX180LD	20,210 (44,560)	0.35 (4.98)
		HX180NL	19,210 (42,350)	0.33 (4.69)

BUCKET SELECTION GUIDE **HX180 L** & DIGGING FORCE

BUCKETS

									
SAE heaped m ³ (yd ³)	0.39 (0.51)	0.50 (0.65)	0.64 (0.84) 0.70 (0.92) 0.76 (0.99)	0.89 (1.16) 1.05 (1.37)	◆ 0.69 (0.90)	⊙ 0.75 (0.98)			
Capacity m ³ (yd ³)		Width mm (in)		Weight kg (lb)	Recommendation mm (ft.in)				
					5,100 (16' 9") Mono-Boom			5,100 (16' 9") 2-Piece boom	
SAE heaped	CECE heaped	Without side cutters	With side cutters		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
0.39 (0.51)	0.34 (0.44)	620 (24.4)	740 (29.1)	410 (900)	●	●	●	●	●
0.50 (0.65)	0.44 (0.58)	760 (29.9)	880 (34.6)	470 (1,040)	●	●	●	●	●
0.64 (0.84)	0.55 (0.72)	920 (36.2)	1,040 (40.9)	510 (1,120)	●	●	■	●	●
0.70 (0.92)	0.60 (0.78)	990 (39.0)	1,110 (43.7)	600 (1,320)	●	●	■	●	■
0.76 (0.99)	0.65 (0.85)	1,060 (41.7)	1,180 (46.5)	620 (1,370)	●	■	▲	■	▲
0.89 (1.16)	0.77 (1.01)	1,220 (48.0)	1,340 (52.8)	610 (1,340)	■	▲	-	■	▲
1.05 (1.37)	0.90 (1.18)	1,400 (55.1)	1,520 (59.8)	680 (1,500)	▲	▲	-	▲	-
◆ 0.69 (0.90)	0.62 (0.81)	990 (39.0)	-	720 (1,590)	●	■	▲	■	▲
◆ 0.75 (0.98)	0.65 (0.85)	1,820 (71.7)	-	540 (1,190)	●	■	■	●	■
◆ Heavy duty bucket					● : Applicable for materials with density of 2,000 kg/m ³ (3,370 lb/yd ³) or less				
⊙ Ditching bucket					■ : Applicable for materials with density of 1,600 kg/m ³ (2,700 lb/yd ³) or less				
					▲ : Applicable for materials with density of 1,100 kg/m ³ (1,850 lb/yd ³) or less				

ATTACHMENT

Booms and arms are welded with a low-stress, full-box section design.
5.1 m (16' 9") Mono-boom and 5.1 m (16' 9") 2-Piece boom and 2.20 m (7' 3"); 2.60 m (8' 6") & 3.1 m (10' 2") Arms are available.

DIGGING FORCE

Arm	Length	mm (ft.in)	2,200 (7' 3")	2,600 (8' 6")	3,100 (10' 2")	Remarks:
	Weight	kg (lb)	750 (1,560)	810 (1,790)	890 (1,960)	
Bucket digging force	SAE	kN	107.9 [117.2]	107.9 [117.2]	107.9 [117.2]	[]: Power Boost
		kgf	11,000 [11,940]	11,000 [11,940]	11,000 [11,940]	
		lbf	24,250 [26,330]	24,250 [26,330]	24,250 [26,330]	
	ISO	kN	123.6 [134.2]	123.6 [134.2]	123.6 [134.2]	
		kgf	12,600 [13,680]	12,600 [13,680]	12,600 [13,680]	
		lbf	27,780 [30,160]	27,780 [30,160]	27,780 [30,160]	
Arm crowd force	SAE	kN	87.2 [94.7]	77.3 [83.9]	69.0 [74.9]	
		kgf	8,890 [9,650]	7,880 [8,560]	7,030 [7,630]	
		lbf	19,600 [21,280]	17,370 [18,860]	15,500 [16,830]	
	ISO	kN	91.0 [98.8]	80.3 [87.2]	71.4 [77.5]	
		kgf	9,280 [10,080]	8,190 [8,890]	7,280 [7,900]	
		lbf	20,460 [22,210]	18,060 [19,600]	16,050 [17,430]	

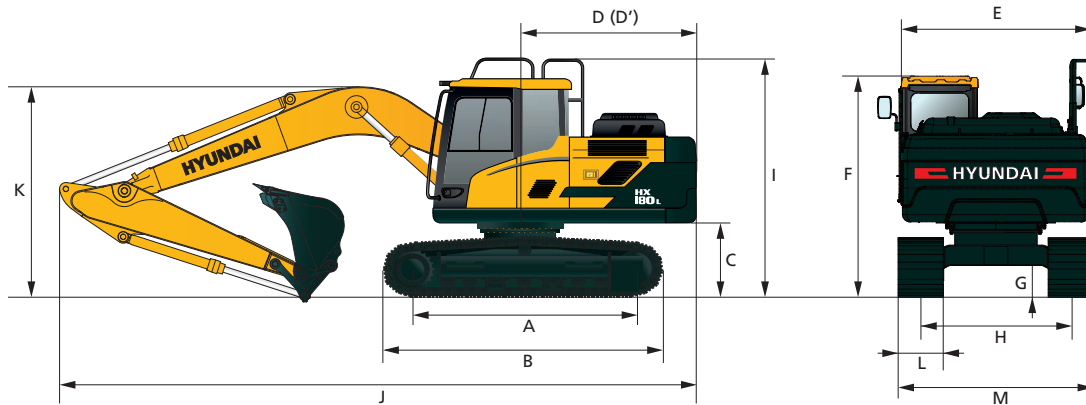
Note : Arm weight includes bucket cylinder, linkage and pin

DIMENSIONS & WORKING RANGE

HX180 L

HX180 L MONO-BOOM DIMENSIONS

5.1 m (16' 9") Mono-boom and 2.2 m (7' 3"); 2.6 m (8' 6") & 3.1 m (10' 2") Arm.



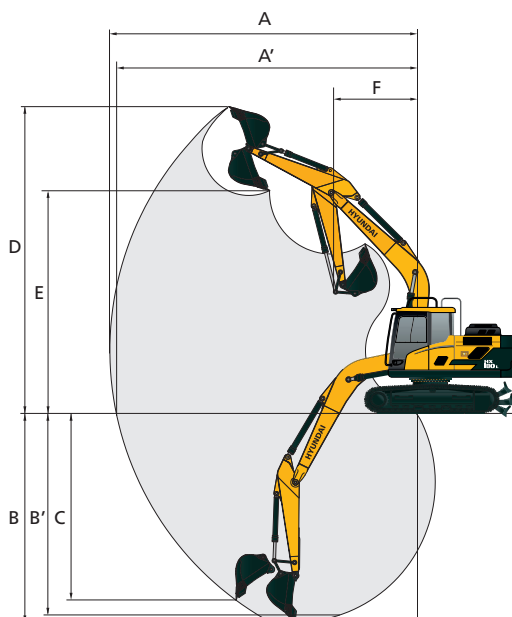
Unit : mm (ft-in)

A	Tumbler distance	3,360 (11' 0")
B	Overall length of crawler	4,116 (13' 6")
C	Ground clearance of counterweight	1,055 (3' 6")
D	Tail swing radius	2,480 (8' 2")
D'	Rear-end length	2,480 (8' 2")
E	Overall width of upperstructure	2,475 (8' 1")
F	Overall height of cab	2,980 (9' 9")
G	Min. ground clearance	460 (1' 6")
H	Track gauge	2,250 (7' 5")
I	Overall height of guardrail	3,235 (10' 7")

Boom length		5,100 (16' 9")			
Arm length		2,200 (7' 3")	2,600 (8' 6")	3,100 (10' 2")	
J	Overall length	8,660 (28' 5")	8,650 (28' 5")	8,650 (28' 5")	
K	Overall height of boom	3,010 (9' 11")	2,990 (9' 10")	3,150 (10' 4")	
L	Track shoe width	500 (20")	600 (24")	700 (28")	800 (32")
M	Overall width	2,750 (9' 0")	2,850 (9' 4")	2,950 (9' 8")	3,050 (10' 0")

HX180 L MONO-BOOM WORKING RANGE

Unit : mm (ft-in)



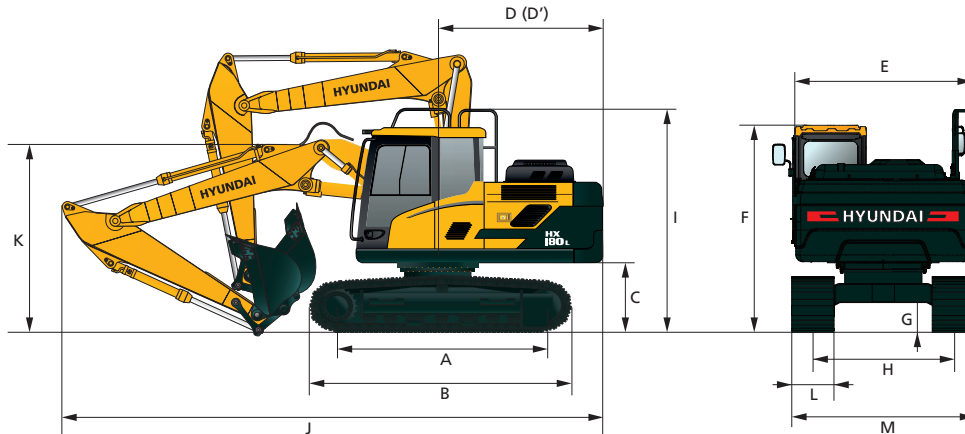
Boom length		5,100 (16' 9")	
Arm length	2,200 (7' 3")	2,600 (8' 6")	3,100 (10' 2")
A Max. digging reach	8,690 (28' 6")	9,020 (29' 7")	9,450 (31' 0")
A' Max. digging reach on ground	8,530 (27' 12")	8,860 (29' 1")	9,300 (30' 6")
B Max. digging depth	5,660 (18' 7")	6,060 (19' 11")	6,560 (21' 6")
B' Max. digging depth (8° level)	5,430 (17' 10")	5,850 (19' 2")	6,370 (20' 11")
C Max. vertical wall digging depth	5,120 (16' 10")	5,380 (17' 8")	5,710 (18' 9")
D Max. digging height	8,750 (28' 8")	8,840 (29' 0")	8,980 (29' 6")
E Max. dumping height	6,110 (20' 1")	6,220 (20' 5")	6,390 (21' 0")
F Min. front swing radius	3,180 (10' 5")	3,170 (10' 5")	3,170 (10' 5")

DIMENSIONS & WORKING RANGE

HX180 L

HX180 L 2-PIECE BOOM DIMENSIONS

5.1 m (16' 9") 2-piece boom and 2.2 m (7' 3"); 2.6 m (8' 6") Arm.



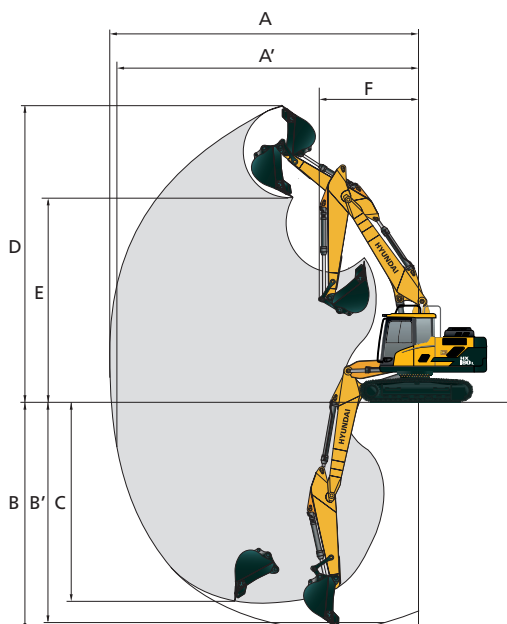
Unit : mm (ft-in)

A	Tumbler distance	3,360 (11' 0")
B	Overall length of crawler	4,116 (13' 6")
C	Ground clearance of counterweight	1,055 (3' 6")
D	Tail swing radius	2,480 (8' 2")
D'	Rear-end length	2,480 (8' 2")
E	Overall width of upperstructure	2,475 (8' 1")
F	Overall height of cab	2,980 (9' 9")
G	Min. ground clearance	460 (1' 6")
H	Track gauge	2,000 (6' 7")
I	Overall height of guardrail	3,235 (10' 7")

Boom length	5,100 (16' 9")			
Arm length	2,200 (7' 3")	2,600 (8' 6")		
J Overall length	8,610 (28' 3")	8,610 (28' 3")		
K Overall height of boom	3,040 (9' 12")	3,060 (10' 0")		
L Track shoe width	500 (20")	600 (24")	700 (28")	800 (32")
M Overall width	2,750 (9' 0")	2,850 (9' 4")	2,950 (9' 8")	3,050 (10' 0")

HX180 L 2-PIECE BOOM WORKING RANGE

Unit : mm (ft-in)



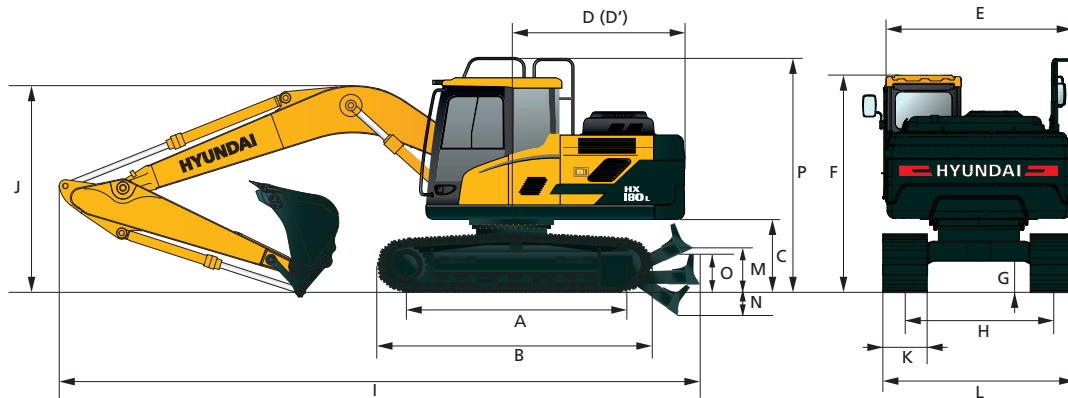
Boom length	5,100 (16' 9") 2-piece boom			
Arm length	2,200 (7' 3")	2,600 (8' 6")		
A Max. digging reach	8,690 (28' 6")	9,110 (29' 11")		
A' Max. digging reach on ground	8,530 (27' 12")	8,950 (29' 4")		
B Max. digging depth	5,660 (18' 7")	5,830 (19' 2")		
B' Max. digging depth (8' level)	5,430 (17' 10")	5,730 (18' 10")		
C Max. vertical wall digging depth	5,120 (16' 10")	4,980 (16' 4")		
D Max. digging height	8,750 (28' 8")	9,610 (31' 6")		
E Max. dumping height	6,110 (20' 10")	6,910 (22' 8")		
F Min. front swing radius	3,180 (10' 5")	2,970 (9' 9")		

DIMENSIONS & WORKING RANGE

HX180 L

HX180 LD MONO-BOOM DIMENSIONS

5.1 m (16' 9") Mono-boom and 2.2 m (7' 3"); 2.6 m (8' 6") & 3.1 m (10' 2") Arm.



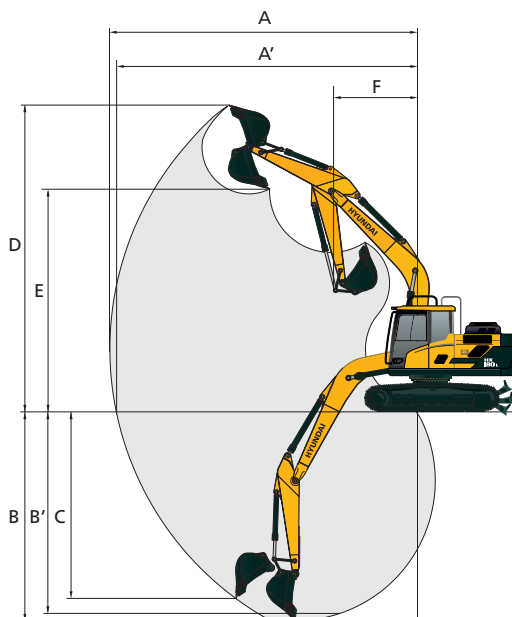
Unit : mm (ft-in)

A	Tumbler distance	3,360 (11' 0")
B	Overall length of crawler	4,116 (13' 6")
C	Ground clearance of counterweight	1,055 (3' 6")
D	Tail swing radius	2,480 (8' 2")
D'	Rear-end length	2,480 (8' 2")
E	Overall width of upperstructure	2,475 (8' 1")
F	Overall height of cab	2,980 (9' 9")
G	Min. ground clearance	460 (1' 6")
H	Track gauge	2,250 (7' 5")
M	Ground clearance of Dozer blade up	615 (2' 0")
N	Depth of dozer blade down	675 (2' 3")
O	Height of dozer blade	640 (2' 1")
P	Overall height of guardrail	3,235 (10' 7")

Boom length		5,100 (16' 9")			
Arm length		2,200 (7' 3")	2,600 (8' 6")	3,100 (10' 2")	
I	Overall length	9,110 (29' 11")	9,100 (29' 10")	9,100 (29' 10")	
J	Overall height of boom	3,010 (9' 11")	2,990 (9' 10")	3,150 (10' 4")	
K	Track shoe width	500 (20")	600 (24")	700 (28")	800 (32")
L	Overall width	2,750 (9' 1")	2,850 (9' 5")	2,950 (9' 9")	3,050 (10' 1")

HX180 LD MONO-BOOM WORKING RANGE

Unit : mm (ft-in)



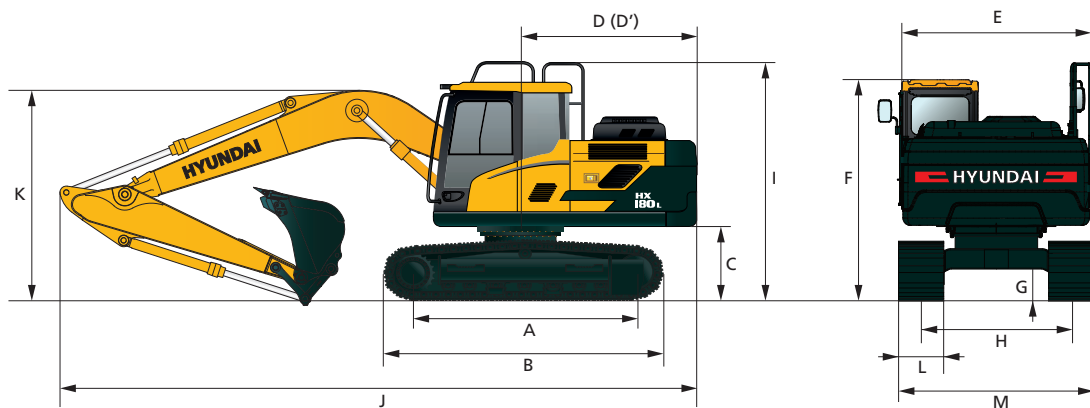
Boom length		5,100 (16' 9")		
Arm length		2,200 (7' 3")	2,600 (8' 6")	3,100 (10' 2")
A	Max. digging reach	8,690 (28' 6")	9,020 (29' 7")	9,450 (31' 0")
A'	Max. digging reach on ground	8,530 (27' 12")	8,860 (29' 1")	9,300 (30' 6")
B	Max. digging depth	5,660 (18' 7")	6,060 (19' 11")	6,560 (21' 6")
B'	Max. digging depth (8' level)	5,430 (17' 10")	5,850 (19' 2")	6,370 (20' 11")
C	Max. vertical wall digging depth	5,120 (16' 10")	5,380 (17' 8")	5,710 (18' 9")
D	Max. digging height	8,750 (28' 8")	8,840 (29' 0")	8,980 (29' 6")
E	Max. dumping height	6,110 (20' 1")	6,220 (20' 5")	6,390 (21' 0")
F	Min. front swing radius	3,180 (10' 5")	3,170 (10' 5")	3,170 (10' 5")

DIMENSIONS & WORKING RANGE

HX180 L

HX180 NL MONO-BOOM DIMENSIONS

5.1 m (16' 9") Mono-boom and 2.2 m (7' 3"); 2.6 m (8' 6") Arm.



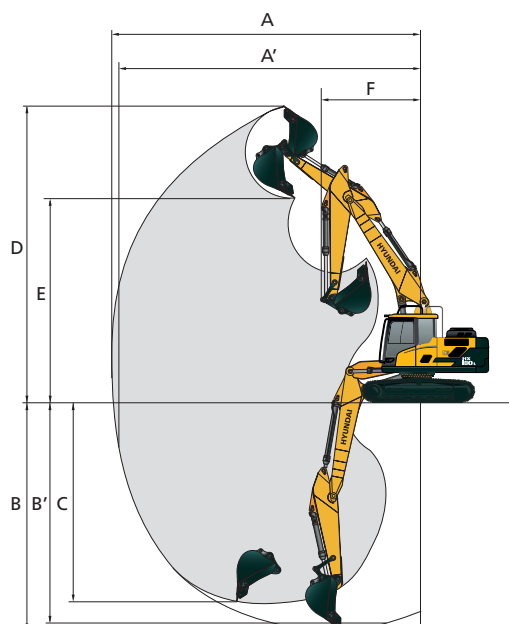
Unit : mm (ft-in)

A	Tumbler distance	3,360 (11' 0")
B	Overall length of crawler	4,116 (13' 6")
C	Ground clearance of counterweight	1,055 (3' 6")
D	Tail swing radius	2,480 (8' 2")
D'	Rear-end length	2,480 (8' 2")
E	Overall width of upperstructure	2,475 (8' 1")
F	Overall height of cab	2,980 (9' 9")
G	Min. ground clearance	460 (1' 6")
H	Track gauge	2,250 (7' 5")
I	Overall height of guardrail	3,235 (10' 7")

Boom length		5,100 (16' 9")	
Arm length	2,200 (7' 3")	2,600 (8' 6")	3,100 (10' 2")
J Overall length	8,660 (28' 5")	8,650 (28' 5")	8,650 (28' 5")
K Overall height of boom	3,010 (9' 11")	2,990 (9' 10")	3,150 (10' 4")
L Track shoe width	500 (20")	600 (24")	700 (28")
M Overall width	2,500 (8' 2")	2,600 (8' 6")	2,700 (8' 8")

HX180 NL MONO-BOOM WORKING RANGE

Unit : mm (ft-in)



Boom length		5,100 (16' 9")	
Arm length	2,200 (7' 3")	2,600 (8' 6")	3,100 (10' 2")
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A' Max. digging reach on ground	8,530 (27' 12")	8,860 (29' 1")	9,300 (30' 6")
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C Max. vertical wall digging depth	5,120 (16' 10")	5,380 (17' 8")	5,710 (18' 9")
D Max. digging height	8,750 (28' 8")	8,840 (29' 0")	8,980 (29' 6")
E Max. dumping height	6,110 (20' 1")	6,220 (20' 5")	6,390 (21' 0")
F Min. front swing radius	3,180 (10' 5")	3,170 (10' 5")	3,170 (10' 5")

LIFTING CAPACITY

HX180 L



Rating over-front



Rating over-side or 360 degrees

HX180 L MONO-BOOM

Boom: 5.1 m (16' 9") / Arm: 2.2 m (7' 3") / Bucket: 0.76 m³ (0.92 yd³) SAE heaped / Shoe: 600 mm (24") triple grouser.

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)		Capacity	
7.5 m (25 ft)	kg									*3700	*3700
	lb									*8160	*8160
6.0 m (20 ft)	kg									*3620	2950
	lb									*7980	6500
4.5 m (15 ft)	kg					*4530	*4530	*4060	3750	*3640	2400
	lb					*9990	*9990	*8950	8270	*8020	5290
3.0 m (10 ft)	kg			*9050	*9050	*5750	5710	*4550	3610	3400	2150
	lb			*19950	*19950	*12680	12590	*10030	7960	7500	4740
1.5 m (5 ft)	kg					*6980	5340	*5110	3440	3320	2080
	lb					*15390	11770	*11270	7580	7320	4590
Ground Line	kg			*7160	*7160	*7630	5120	5330	3320	3470	2170
	lb			*15790	*15790	*16820	11290	11750	7320	7650	4780
-1.5 m (-5 ft)	kg	*7070	*7070	*11190	9860	*7540	5050	5280	3280	*3920	2480
	lb	*15590	*15590	*24670	21740	*16620	11130	11640	7230	*8640	5470
-3.0 m (-10 ft)	kg	*11260	*11260	*9570	*9570	*6620	5110			*3710	3280
	lb	*24820	*24820	*21100	*21100	*14590	11270			*8180	7230
-4.5 m (-15 ft)	kg			*6220	*6220						
	lb			*13710	*13710						

Boom: 5.1 m (16' 9") / Arm: 2.6 m (8' 6") / Bucket: 0.76 m³ (0.92 yd³) SAE heaped / Shoe: 600 mm (24") triple grouser.

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)	
7.5 m (25 ft)	kg									*3340	*3340
	lb									*7360	*7360
6.0 m (20 ft)	kg							*2990	*2990	*3310	2690
	lb							*6590	*6590	*7300	5930
4.5 m (15 ft)	kg							*3720	*3720	*3370	2210
	lb							*8200	*8200	*7430	4870
3.0 m (10 ft)	kg			*7870	*7870	*5270	*5270	*4260	3620	*2780	2460
	lb			*17350	*17350	*11620	*11620	*9390	7980	*6130	5420
1.5 m (5 ft)	kg			*8160	*8160	*6610	5360	*4880	3430	*3610	2380
	lb			*17990	*17990	*14570	11820	*10760	7560	*7960	5250
Ground Line	kg			*7950	*7950	*7450	5090	5300	3290	*3430	2310
	lb			*17530	*17530	*16420	11220	11680	7250	*7560	5090
-1.5 m (-5 ft)	kg	*6750	*6750	*10730	9740	*7570	4990	5220	3220		
	lb	*14880	*14880	*23660	21470	*16690	11000	11510	7100		
-3.0 m (-10 ft)	kg	*10030	*10030	*10220	9860	*6910	5010	*4820	3250		
	lb	*22110	*22110	*22530	21740	*15230	11050	*10630	7170		
-4.5 m (-15 ft)	kg			*7420	*7420	*4910	*4910				
	lb			*16360	*16360	*10820	*10820				

Boom: 5.1 m (16' 9") / Arm: 3.1 m (11' 1") / Bucket: 0.76 m³ (0.92 yd³) SAE heaped / Shoe: 600 mm (24") triple grouser.

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)	
7.5 m (25 ft)	kg									*2960	*2960
	lb									*6530	*6530
6.0 m (20 ft)	kg							*2830	*2830	*2980	2380
	lb							*6240	*6240	*6570	5250
4.5 m (15 ft)	kg							*3310	*3310	*2090	1990
	lb							*7300	*7300	*4610	4390
3.0 m (10 ft)	kg					*4660	*4660	*3880	3640	*3050	2460
	lb					*10270	*10270	*8550	8020	*6720	5420
1.5 m (5 ft)	kg			*10170	*10170	*6110	5420	*4570	3440	3780	2360
	lb			*22420	*22420	*13470	11950	*10080	7580	8330	5200
Ground Line	kg			*8710	*8710	*7170	5090	*5130	3270	3690	2280
	lb			*19200	*19200	*15810	11220	*11310	7210	8140	5030
-1.5 m (-5 ft)	kg	*6350	*6350	*10370	9640	*7530	4940	5170	3170	*3200	2230
	lb	*14000	*14000	*22860	21250	*16600	10890	11400	6990	*7050	4920
-3.0 m (-10 ft)	kg	*8990	*8990	*10850	9700	*7150	4920	*5070	3160		
	lb	*19820	*19820	*23920	21380	*15760	10850	*11180	6970		
-4.5 m (-15 ft)	kg	*12470	*12470	*8590	*8590	*5740	5040				
	lb	*27490	*27490	*18940	*18940	*12650	11110				

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

2. Lifting capacity of the HX 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.

LIFTING CAPACITY

HX180 L



Rating over-front



Rating over-side or 360 degrees

HX180 L 2-PIECE BOOM

2-piece boom: 5.1 m (16' 9") / Arm: 2.2 m (7' 3") / Bucket: 0.76 m³ (0.92 yd³) SAE heaped / Shoe: 600 mm (24") triple grouser.

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 lb											*3680 *8110	2880 6350	7.06 (23.2)
4.5 m (15 ft)	kg lb							*4110 *9060	3750 8270			*3640 *8020	2340 5160	7.83 (25.7)
3.0 m (10 ft)	kg lb					*5800 *12790	5720 12610	*4560 *10050	3600 7940			3370 7430	2100 4630	8.21 (26.9)
1.5 m (5 ft)	kg lb					*6940 *15300	5320 11730	*5080 *11200	3430 7560	*3390 *7470	2380 5250	3290 7250	2040 4500	8.27 (27.1)
Ground Line	kg lb			*6260 *13800	*6260 *13800	*7520 *16580	5090 11220	5350 11790	3300 7280			3440 7580	2100 4700	8.01 (26.3)
-1.5 m (-5 ft)	kg lb	*6250 *13780	*6250 *13780	*10390 *22910	9820 21650	*7360 *16230	5020 11070	*5270 *11620	3260 7190			*3640 *8020	2440 5380	7.39 (24.2)
-3.0 m (-10 ft)	kg lb			*9080 *20020	*9080 *20020	*6340 *13980	5100 11240					*3240 *7140	3230 7120	6.28 (20.6)

2-piece boom: 5.1 m (16' 9") / Arm: 2.6 m (8' 6") / Bucket: 0.76 m³ (0.92 yd³) SAE heaped / Shoe: 600 mm (24") triple grouser.

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 lb											*3380 *7450	2610 5750	7.48 (24.5)
4.5 m (15 ft)	kg lb											*3370 *7430	2150 4740	8.20 (26.9)
3.0 m (10 ft)	kg lb							*4280 *9440	3620 7980	*3190 *7030	2440 5380	3130 6900	1930 4250	8.57 (28.1)
1.5 m (5 ft)	kg lb			*7050 *15540	*7050 *15540	*6590 *14530	5350 11790	*4860 *10710	3420 7540	3810 8400	2360 5200	3050 6720	1870 4120	8.62 (28.3)
Ground Line	kg lb			*7110 *15670	*7110 *15670	*7360 *16230	5060 11160	*5270 *11620	3270 7210	3740 8250	2300 5070	3170 6990	1940 4280	8.37 (27.5)
-1.5 m (-5 ft)	kg lb	*6090 *13430	*6090 *13430	*10020 *22090	9690 21360	*7410 *16340	4960 10930	5240 11550	3200 7050			*3500 *7720	2200 4850	7.78 (25.5)
-3.0 m (-10 ft)	kg lb	*9550 *21050	*9550 *21050	*9790 *21580	*9790 *21580	*6670 *14700	5000 11020	*4630 *10210	3240 7140			*3280 *7230	2810 6190	6.76 (22.2)
-4.5 m (-15 ft)	kg lb			*6770 *14930	*6770 *14930	*4500 *9920	*4500 *9920							

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

2. Lifting capacity of the HX 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.

LIFTING CAPACITY

HX180 L



Rating over-front



Rating over-side or 360 degrees

HX180 NL MONO-BOOM

Boom: 5.1 m (16' 9") / Arm: 2.2 m (7' 3") / Bucket: 0.76 m³ (0.92 yd³) SAE heaped / Shoe: 600 mm (24") triple grouser.

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)		Capacity	
7.5 m (25 ft)	kg									*3700	*3700
	lb									*8160	*8160
6.0 m (20 ft)	kg									*3620	2580
	lb									*7980	5690
4.5 m (15 ft)	kg					*4530	*4530	*4060	3280	*3640	2080
	lb					*9990	*9990	*8950	7230	*8020	4590
3.0 m (10 ft)	kg			*9050	*9050	*5750	4970	*4550	3140	3380	1850
	lb			*19950	*19950	*12680	10960	*10030	6920	7450	4080
1.5 m (5 ft)	kg					*6980	4610	*5110	2980	3300	1780
	lb					*15390	10160	*11270	6570	7280	3920
Ground Line	kg			*7160	*7160	*7630	4390	5300	2860	3450	1860
	lb			*15790	*15790	*16820	9680	11680	6310	7610	4100
-1.5 m (-5 ft)	kg	*7070	*7070	*11190	8250	*7540	4330	5250	2820	*3920	2140
	lb	*15590	*15590	*24670	18190	*16620	9550	11570	6220	*8640	4720
-3.0 m (-10 ft)	kg	*11260	*11260	*9570	8410	*6620	4390			*3710	2840
	lb	*24820	*24820	*21100	18540	*14590	9680			*8180	6260
-4.5 m (-15 ft)	kg			*6220	*6220						
	lb			*13710	*13710						

Boom: 5.1 m (16' 9") / Arm: 2.6 m (8' 6") / Bucket: 0.76 m³ (0.92 yd³) SAE heaped / Shoe: 600 mm (24") triple grouser.

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)		Capacity	
7.5 m (25 ft)	kg									*3340	3330
	lb									*7360	7340
6.0 m (20 ft)	kg							*2990	*2990	*3310	2340
	lb							*6590	*6590	*7300	5160
4.5 m (15 ft)	kg							*3720	3300	*3370	1910
	lb							*8200	7280	*7430	4210
3.0 m (10 ft)	kg			*7870	*7870	*5270	5020	*4260	3150	3150	1700
	lb			*17350	*17350	*11620	11070	*9390	6940	6940	3750
1.5 m (5 ft)	kg			*8160	*8160	*6610	4630	*4880	2970	*3610	2040
	lb			*17990	*17990	*14570	10210	*10760	6550	*7960	4500
Ground Line	kg			*7950	*7950	*7450	4370	5270	2830	*3430	1980
	lb			*17530	*17530	*16420	9630	11620	6240	*7560	4370
-1.5 m (-5 ft)	kg	*6750	*6750	*10730	8140	*7570	4260	5190	2760	3580	1920
	lb	*14880	*14880	*23660	17950	*16690	9390	11440	6080	7890	4230
-3.0 m (-10 ft)	kg	*10030	*10030	*10220	8260	*6910	4290	*4820	2790	*3700	2480
	lb	*22110	*22110	*22530	18210	*15230	9460	*10630	6150	*8160	5470
-4.5 m (-15 ft)	kg			*7420	*7420	*4910	4470				
	lb			*16360	*16360	*10820	9850				

Boom: 5.1 m (16' 9") / Arm: 3.1 m (11' 1") / Bucket: 0.76 m³ (0.92 yd³) SAE heaped / Shoe: 600 mm (24") triple grouser.

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)		Capacity	
7.5 m (25 ft)	kg									*2960	2830
	lb									*6530	6240
6.0 m (20 ft)	kg							*2830	*2830	*2980	2070
	lb							*6240	*6240	*6570	4560
4.5 m (15 ft)	kg							*3310	*3310	*3050	1710
	lb							*7300	*7300	*6720	3770
3.0 m (10 ft)	kg					*4660	*4660	*3880	3170	*3050	2120
	lb					*10270	*10270	*8550	6990	*6720	4670
1.5 m (5 ft)	kg			*10170	8790	*6110	4680	*4570	2970	3760	2030
	lb			*22420	19380	*13470	10320	*10080	6550	8290	4480
Ground Line	kg			*8710	8190	*7170	4370	*5130	2810	3670	1940
	lb			*19200	18060	*15810	9630	*11310	6190	8090	4280
-1.5 m (-5 ft)	kg	*6350	*6350	*10370	8040	*7530	4210	5140	2710	*3200	1900
	lb	*14000	*14000	*22860	17730	*16600	9280	11330	5970	*7050	4190
-3.0 m (-10 ft)	kg	*8990	*8990	*10850	8100	*7150	4200	*5070	2700		
	lb	*19820	*19820	*23920	17860	*15760	9260	*11180	5950		
-4.5 m (-15 ft)	kg	*12470	*12470	*8590	8330	*5740	4310				
	lb	*27490	*27490	*18940	18360	*12650	9500				

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

2. Lifting capacity of the HX 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.

LIFTING CAPACITY

HX180 L



Rating over-front



Rating over-side or 360 degrees

HX180 NLC 2-PIECE BOOM

2-piece boom: 5.1 m (16' 9") / Arm: 2.2 m (7' 3") / Bucket: 0.76 m³ (0.92 yd³) SAE heaped / Shoe: 600 mm (24") triple grouser.

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 lb											*3680 *8110	2500 5510	7.06 (23.2)
4.5 m (15 ft)	kg lb							*4110 *9060	3270 7210			*3640 *8020	2020 4450	7.83 (25.7)
3.0 m (10 ft)	kg lb					*5800 *12790	4960 10930	*4560 *10050	3130 6900			3350 7390	1800 3970	8.21 (26.9)
1.5 m (5 ft)	kg lb					*6940 *15300	4570 10080	*5080 *11200	2960 6530	*3390 *7470	2040 4500	3270 7210	1740 3840	8.27 (27.1)
Ground Line	kg lb			*6260 *13800	*6260 *13800	*7520 *16580	4350 9590	5300 11730	2830 6240			3420 7540	1820 4010	8.01 (26.3)
-1.5 m (-5 ft)	kg lb	*6250 *13780	*6250 *13780	*10390 *20910	8200 18080	*7360 *16230	4290 9460	5270 11620	2790 6450			*3640 *8020	2090 4610	7.39 (24.2)
-3.0 m (-10 ft)	kg lb			*9080 *20020	8390 18500	*6340 *13980	5010 9610					*3240 *7140	2790 6150	6.28 (20.6)
-4.5 m (-15 ft)	kg lb			*7420 *16360	*7420 *16360	*4910 *10820	*4910 *10820							

2-piece boom: 5.1 m (16' 9") / Arm: 2.6 m (8' 6") / Bucket: 0.76 m³ (0.92 yd³) SAE heaped / Shoe: 600 mm (24") triple grouser.

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 lb											*3380 *7450	2260 4980	7.48 (24.5)
4.5 m (15 ft)	kg lb											*3370 *7430	1840 4060	8.20 (26.9)
3.0 m (10 ft)	kg lb							*4280 *9440	3140 6920	*3190 *7030	2100 4630	3110 6860	1650 3640	8.57 (28.1)
1.5 m (5 ft)	kg lb			*7050 *15540	*7050 *15540	*6590 *14530	4600 10140	*4860 *10710	2950 6500	3790 8360	2020 4450	3030 6680	1590 3510	8.62 (28.3)
Ground Line	kg lb			*7110 *15670	*7110 *15670	*7360 *16230	4320 9520	*5270 *11620	2800 6170	3720 8200	1960 4320	3150 6940	1650 3640	8.37 (27.5)
-1.5 m (-5 ft)	kg lb	*6090 *13430	*6090 *13430	*10020 *22090	8070 17790	*7410 *16340	4220 9300	5210 11490	2730 6020			*3500 *7720	1870 4120	7.78 (25.5)
-3.0 m (-10 ft)	kg lb	*9550 *21050	*9550 *21050	*9790 *21580	8210 18100	*6670 *14700	4260 9390	*4630 *10210	2770 6110			*3280 *7230	2420 5340	6.76 (22.2)
-4.5 m (-15 ft)	kg lb			*6770 *14930	*6770 *14930	*4500 *9920	4470 9850							

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

2. Lifting capacity of the HX 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.

LIFTING CAPACITY

HX180 L



Rating over-front



Rating over-side or 360 degrees

HX180 LD MONO-BOOM

Boom: 5.1 m (16' 9") / Arm: 2.2 m (7' 3") / Bucket: 0.76 m³ (0.92 yd³) SAE heaped / Shoe: 600 mm (24") triple grouser. Dozer up

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)		Capacity	
7.5 m (25 ft)	kg lb									*3700 *8160	*3700 *8160
6.0 m (20 ft)	kg lb									*3620 *7980	3100 6830
4.5 m (15 ft)	kg lb					*4530 *9990	*4530 *9990	*4060 *8950	3920 8640	*3640 *8020	2520 5560
3.0 m (10 ft)	kg lb			*9050 *19950	*9050 *19950	*5750 *12680	*5750 *12680	*4550 *10030	3780 8330	*3710 *8180	2270 5000
1.5 m (5 ft)	kg lb					*6980 *15390	5590 12320	*5110 *11270	3610 7960	3760 8290	2200 4850
Ground Line	kg lb			*7160 *15790	*7160 *15790	*7630 *16820	5360 11820	*5470 *12060	3490 7690	*3890 *8580	2290 5050
-1.5 m (-5 ft)	kg lb	*7070 *15590	*7070 *15590	*11190 *24670	10310 22730	*7540 *16620	5300 11680	*5410 *11930	3450 7610	*3920 *8640	2620 5780
-3.0 m (-10 ft)	kg lb	*11260 *24820	*11260 *24820	*9570 *21100	*9570 *21100	*6620 *14590	5360 11820			*3710 *8180	3450 7610
-4.5 m (-15 ft)	kg lb			*6220 *13710	*6220 *13710						
-4.5 m (-15 ft)	kg lb	*17990 *39660	*17990 *39660	*13070 *28810	*13070 *28810					*7190 *15850	*7190 *15850

Boom: 5.1 m (16' 9") / Arm: 2.2 m (7' 3") / Bucket: 0.76 m³ (0.92 yd³) SAE heaped / Shoe: 600 mm (24") triple grouser. Dozer 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)		Capacity	
7.5 m (25 ft)	kg lb									*3700 *8160	*3700 *8160
6.0 m (20 ft)	kg lb									*3620 *7980	3260 7190
4.5 m (15 ft)	kg lb					*4530 *9990	*4530 *9990	*4070 *8970	*4070 *8970	*3650 *8050	2670 5890
3.0 m (10 ft)	kg lb			*9060 *19970	*9060 *19970	*5750 *12680	*5750 *12680	*4560 *10050	3990 8800	*3720 *8200	2400 5290
1.5 m (5 ft)	kg lb					*6990 *15410	5920 13050	*5120 *11290	3820 8420	*3810 *8400	2330 5140
Ground Line	kg lb			*7160 *15790	*7160 *15790	*7640 *16840	5700 12570	*5480 *12080	3700 8160	*3900 *8600	2430 5360
-1.5 m (-5 ft)	kg lb	*7070 *15590	*7070 *15590	*11190 *24670	11090 24450	*7550 *16640	5630 12410	*5410 *11930	3660 8070	*3920 *8640	2770 6110
-3.0 m (-10 ft)	kg lb	*11260 *24820	*11260 *24820	*9580 *21120	*9580 *21120	*6630 *14620	5700 12570			*3710 *8180	3640 8020
-4.5 m (-15 ft)	kg lb			*6230 *13730	*6230 *13730						

Boom: 5.1 m (16' 9") / Arm: 2.6 m (8' 6") / Bucket: 0.76 m³ (0.92 yd³) SAE heaped / Shoe: 600 mm (24") triple grouser. Dozer up

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)		Capacity	
7.5 m (25 ft)	kg lb									*3340 *7360	*3340 *7360
6.0 m (20 ft)	kg lb							*2990 *6590	*2990 *6590	*3310 *7300	2820 6220
4.5 m (15 ft)	kg lb							*3720 *8200	*3720 *8200	*3370 *7430	2330 5140
3.0 m (10 ft)	kg lb			*7870 *17350	*7870 *17350	*5270 *11620	*5270 *11620	*4260 *9390	3790 8360	*2780 *6130	2590 5710
1.5 m (5 ft)	kg lb			*8160 *17990	*8160 *17990	*6610 *14570	5610 12370	*4880 *10760	3600 7940	*3610 *7960	2510 5530
Ground Line	kg lb			*7950 *17530	*7950 *17530	*7450 *16420	5340 11770	*5340 *11770	3460 7630	*3430 *7560	2440 5380
-1.5 m (-5 ft)	kg lb	*6750 *14880	*6750 *14880	*10730 *23660	10190 22470	*7570 *16690	5230 11530	*5420 *11950	3390 7470	*3760 *8290	2370 5220
-3.0 m (-10 ft)	kg lb	*10030 *22110	*10030 *22110	*10220 *22530	*10220 *22530	*6910 *15230	5260 11600	*4820 *10630	3420 7540	*3700 *8160	3020 6660
-4.5 m (-15 ft)	kg lb			*7420 *16360	*7420 *16360	*4910 *10820	*4910 *10820				

LIFTING CAPACITY

HX180 L



Rating over-front



Rating over-side or 360 degrees

HX180 LD MONO-BOOM

Boom: 5.1 m (16' 9") / Arm: 2.6 m (8' 6") / Bucket: 0.76 m³ (0.92 yd³) SAE heaped / Shoe: 600 mm (24") triple grouser. Dozer 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											*3340	*3340	6.11
	lb											*7360	*7360	(20.0)
6.0 m (20 ft)	kg							*2990	*2990			*3310	2970	7.37
	lb							*6590	*6590			*7300	6550	(24.2)
4.5 m (15 ft)	kg							*3720	*3720			*3300	2460	8.11
	lb							*8200	*8200			*7430	5420	(26.6)
3.0 m (10 ft)	kg			*7870	*7870	*5270	*5270	*4260	3990	*2780	2730	*3460	2220	8.48
	lb			*17350	*17350	*11620	*11620	*9390	8800	*6130	6020	*7630	4890	(27.8)
1.5 m (5 ft)	kg			*8160	*8160	*6610	5950	*4880	3810	*3610	2660	*3560	2150	8.53
	lb			*17990	*17990	*14570	13120	*10760	8400	*7960	5860	*7850	4740	(28.0)
Ground Line	kg			*7950	*7950	*7450	5670	*5340	3670	*3430	2590	*3680	2230	8.28
	lb			*17530	*17530	*16420	12500	*11770	8090	*7560	5710	*8110	4920	(27.2)
-1.5 m (-5 ft)	kg	*6750	*6750	*10730	*10730	*7570	5560	*5420	3590			*3760	2510	7.69
	lb	*14880	*14880	*23660	*23660	*16690	12260	*11950	7910			*8290	5530	(25.2)
-3.0 m (-10 ft)	kg	*10030	*10030	*10220	*10220	*6910	5590	*4820	3620			*3700	3200	6.64
	lb	*22110	*22110	*22530	*22530	*15230	12320	*10630	7980			*8160	7050	(21.8)
-4.5 m (-15 ft)	kg			*7420	*7420	*4910	*4910							
	lb			*16360	*16360	*10820	*10820							

Boom: 5.1 m (16' 9") / Arm: 3.1 m (11' 1") / Bucket: 0.76 m³ (0.92 yd³) SAE heaped / Shoe: 600 mm (24") triple grouser. Dozer up

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											*2960	*2960	6.73
	lb											*6530	*6530	(22.1)
6.0 m (20 ft)	kg							*2830	*2830			*2980	2510	7.88
	lb							*6240	*6240			*6570	5530	(25.9)
4.5 m (15 ft)	kg							*3310	*3310	*2090	*2090	*3050	2100	8.57
	lb							*7300	*7300	*4610	*4610	*6720	4630	(28.1)
3.0 m (10 ft)	kg					*4660	*4660	*3880	3810	*3050	2590	*3150	1900	8.91
	lb					*10270	*10270	*8550	8400	*6720	5710	*6940	4190	(29.2)
1.5 m (5 ft)	kg			*10170	*10170	*6110	5670	*4570	3610	*3800	2490	3220	1830	8.96
	lb			*22420	*22420	*13470	12500	*10080	7960	*8380	5490	7100	4030	(29.4)
Ground Line	kg			*8710	*8710	*7170	5340	*5130	3440	*4050	2410	3320	1890	8.73
	lb			*19200	*19200	*15810	11770	*11310	7580	*8930	5310	7320	4170	(28.6)
-1.5 m (-5 ft)	kg	*6350	*6350	*10370	10100	*7530	5180	*5370	3340	*3200	2360	*3530	2100	8.17
	lb	*14000	*14000	*22860	22270	*16600	11420	*11840	7360	*7050	5200	*7780	4630	(26.8)
-3.0 m (-10 ft)	kg	*8990	*8990	*10850	10160	*7150	5170	*5070	3330			*3580	2600	7.21
	lb	*19820	*19820	*23920	22400	*15760	11400	*11180	7340			*7890	5730	(23.7)
-4.5 m (-15 ft)	kg	*12470	*12470	*8590	*8590	*5740	5290					*3320	*3320	5.59
	lb	*27490	*27490	*18940	*18940	*12650	11660					*7320	*7320	(18.3)

Boom: 5.1 m (16' 9") / Arm: 3.1 m (11' 1") / Bucket: 0.76 m³ (0.92 yd³) SAE heaped / Shoe: 600 mm (24") triple grouser. Dozer 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											*2960	*2960	6.73
	lb											*6530	*6530	(22.1)
6.0 m (20 ft)	kg							2830	*2830			*2980	2650	7.88
	lb							*6240	*6240			*6570	5840	(25.9)
4.5 m (15 ft)	kg							*3310	*3310	*2090	*2090	*3050	2220	8.57
	lb							*7300	*7300	*4610	*4610	*6720	4890	(28.1)
3.0 m (10 ft)	kg					*4660	*4660	*3880	*3880	*3050	2730	*3150	2020	8.91
	lb					*10270	*10270	*8550	*8550	*6720	6020	*6940	4450	(29.2)
1.5 m (5 ft)	kg			*10170	*10170	*6110	6010	*4570	3810	*3800	2640	*3270	1950	8.96
	lb			*22420	*22420	*13470	13250	*10080	8400	*8380	5820	*7210	4300	(29.4)
Ground Line	kg			*8710	*8710	*7170	5670	*5130	3640	*4050	2550	*3410	2010	8.73
	lb			*19200	*19200	*15810	12500	*11310	8020	*8930	5620	*7520	4430	(28.6)
-1.5 m (-5 ft)	kg	*6350	*6350	*10370	*10370	*7530	5510	*5370	3540	*3200	2510	*3530	2230	8.17
	lb	*14000	*14000	*22860	*22860	*16600	12150	*11840	7800	*7050	5530	*7780	4920	(26.8)
-3.0 m (-10 ft)	kg	*8990	*8990	*10850	*10850	*7150	5500	*5070	3530			*3580	2750	7.21
	lb	*19820	*19820	*23920	*23920	*15760	12130	*11180	7780			*7890	6060	(23.7)
-4.5 m (-15 ft)	kg	*12470	*12470	*8590	*8590	*5740	5620					*3320	*3320	5.59
	lb	*27490	*27490	*18940	*18940	*12650	12390					*7320	*7320	(18.3)

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

2. Lifting capacity of the HX 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.

LIFTING CAPACITY

HX180 L



Rating over-front



Rating over-side or 360 degrees

HX180 ND 2-PIECE BOOM

Boom: 5.1 m (16' 9") / Arm: 2.2 m (7' 3") / Bucket: 0.76 m³ (0.92 yd³) SAE heaped / Shoe: 600 mm (24") triple grouser. Dozer up

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											*3680	3020	7.06
	lb											*8110	6660	(23.2)
4.5 m (15 ft)	kg							*4110	3920			*3640	2460	7.83
	lb							*9060	8640			*8020	5420	(25.5)
3.0 m (10 ft)	kg					*5800	*5800	*4560	3770			*3660	2220	8.21
	lb					*12790	*12790	*10050	8310			*8070	4890	(26.9)
1.5 m (5 ft)	kg					*6940	5570	*5080	3600	*3390	2510	*3700	2150	8.27
	lb					*15300	12280	*11200	7940	*7470	5530	*8160	4740	(27.1)
Ground Line	kg			*6260	*6260	*7520	5330	*5390	3470			*3720	2250	8.01
	lb			*13800	*13800	*16580	11750	*11880	7650			*8200	4960	(26.3)
-1.5 m (-5 ft)	kg	*6250	*6250	*10390	10280	*7360	5270	*5270	3430			*3640	2570	7.39
	lb	*13780	*13780	*22910	22660	*16230	11620	*11620	7560			*8020	5670	(24.2)
-3.0 m (-10 ft)	kg			*9080	*9080	*6340	5350					*3240	*3240	6.28
	lb			*20020	*20020	*13980	11790					*7140	*7140	(20.6)

Boom: 5.1 m (16' 9") / Arm: 2.2 m (7' 3") / Bucket: 0.76 m³ (0.92 yd³) SAE heaped / Shoe: 600 mm (24") triple grouser. Dozer 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											*3680	3190	7.06
	lb											*8110	7030	(23.2)
4.5 m (15 ft)	kg							*4110	*4110			*3640	2610	7.83
	lb							*9060	*9060			*8020	5750	(25.7)
3.0 m (10 ft)	kg					*5800	*5800	*4560	3990			*3660	2350	8.21
	lb					*12790	*12790	*10050	8800			*8070	5180	(26.9)
1.5 m (5 ft)	kg					*6940	5910	*5080	3810	*3390	2660	*3700	2280	8.27
	lb					*15300	13030	*11200	8400	*7470	5860	*8160	5030	(27.1)
Ground Line	kg			*6260	*6260	*7520	5670	*5390	3680			*3720	2390	8.01
	lb			*13800	*13800	*16580	12500	*11880	8110			*8200	5270	(26.3)
-1.5 m (-5 ft)	kg	*6250	*6250	*10390	*10390	*7360	5610	*5270	3640			*3640	2730	7.39
	lb	*13780	*13780	*22910	*22910	*16230	12370	*11620	8020			*8020	6020	(24.2)
-3.0 m (-10 ft)	kg			*9080	*9080	*6340	5690					*3240	*3240	6.28
	lb			*20020	*20020	*13980	12540					*7140	*7140	(20.6)
-4.5 m (-15 ft)	kg			*6770	*6770	*4500	4470							
	lb			*14930	*14930	*9920	9850							

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

2. Lifting capacity of the HX 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.

LIFTING CAPACITY

HX180 L



Rating over-front



Rating over-side or 360 degrees

HX180 NLC 2-PIECE BOOM

Boom: 5.1 m (16' 9") / Arm: 2.6 m (8' 6") / Bucket: 0.76 m³ (0.92 yd³) SAE heaped / Shoe: 600 mm (24") triple grouser. Dozer up

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											*3380	2740	7.48
	lb											*7450	6040	(24.5)
4.5 m (15 ft)	kg											*3370	2270	8.20
	lb											*7430	5000	(26.9)
3.0 m (10 ft)	kg							*4280	3790	*3190	2570	*3410	2040	8.57
	lb							*9440	8360	*7030	5670	*7520	450	(28.1)
1.5 m (5 ft)	kg			*7050	*7050	*6590	5600	*4860	3590	*3980	2490	3460	1980	8.62
	lb			*15540	*15540	*14530	12350	*10710	7910	*8770	5490	7630	4370	(28.3)
Ground Line	kg			*7110	*7110	*7360	5310	*5270	3440	*3980	2430	*3510	2060	8.37
	lb			*15670	*15670	*16230	11710	*11620	7580	*8770	5360	*7740	4540	(27.5)
-1.5 m (-5 ft)	kg	*6090	*6090	*10020	*10020	*7410	5200	*5300	3370			*3500	2320	7.78
	lb	*13430	*13430	*22090	*22090	*16340	11460	*11680	7530			*7720	5110	(25.5)
-3.0 m (-10 ft)	kg	*9550	*9550	*9790	*9790	*6670	5240	*4630	3410			*3280	2960	6.76
	lb	*21050	*21050	*21580	*21580	*14700	11550	*10210	7520			*7230	6530	(22.2)
-4.5 m (-15 ft)	kg			*6770	*6770	*4500	*4500							
	lb			*14930	*14930	*9920	*9920							

Boom: 5.1 m (16' 9") / Arm: 2.6 m (8' 6") / Bucket: 0.76 m³ (0.92 yd³) SAE heaped / Shoe: 600 mm (24") triple grouser. Dozer 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 lb											*3380 7450	2890 6370	7.48 (24.5)
4.5 m (15 ft)	kg lb											*3370 7430	2400 5290	8.20 (26.9)
3.0 m (10 ft)	kg lb							*4280 9440	4000 8820	*3190 7030	2730 6020	*3410 7520	2170 4780	8.57 (28.1)
1.5 m (5 ft)	kg lb			*7050 15540	*7050 15540	*6590 14530	5940 13100	*4860 10710	3800 8380	*3980 8770	2640 5820	*3470 7650	2100 4630	8.62 (28.3)
Ground Line	kg lb			*7110 15670	*7110 15670	*7360 16230	5650 12460	*5270 11620	3650 8050	*3980 8770	2580 5690	*3510 7740	2190 4830	8.37 (27.5)
-1.5 m (-5 ft)	kg lb	*6090 13430	*6090 13430	*10020 22090	*10020 22090	*7410 16340	5540 12210	*5300 11680	3580 7890			*3500 7720	2460 5420	7.78 (25.5)
-3.0 m (-10 ft)	kg lb	*9550 21050	*9550 21050	*9790 21580	*9790 21580	*6670 14700	5580 12300	*4630 10210	3620 7980			*3280 7230	3130 6900	6.76 (22.2)
-4.5 m (-15 ft)	kg lb			*6770 14930	*6770 14930	*4500 9920	*4500							

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

2. Lifting capacity of the HX 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.

ENGINE	STD	OPT
Perkins 1204F Engine	●	
HYDRAULIC SYSTEM		
Intelligent Power Control (IPC)		
3-power mode, 2-work mode, user mode	●	
Variable Power Control	●	
Pump Flow Control	●	
Attachment Mode Flow Control		●
Engine Auto Idle	●	
Engine Auto Shutdown Control	●	
Electronic Fan Control	●	
CABIN & INTERIOR		
ISO Standard cabin		
Rise-up type windshield wiper	●	
Radio / USB player	●	
Handsfree mobile phone system with USB	●	
12 volt power outlet (24V DC to 12V DC converter)	●	
Electric horn	●	
All-weather steel cab with 360° visibility	●	
Safety glass windows	●	
Sliding fold-in front window	●	
Sliding side window (LH)	●	
Lockable door	●	
Hot & cool box	●	
Storage compartment & Ashtray	●	
Transparent cabin roof-cover	●	
Sun visor	●	
Door and cab locks, one key	●	
Mechanical suspension seat with heater	●	
Pilot-operated slidable joystick	●	
Console box height adjust system	●	
Automatic climate control		
Air conditioner & heater	●	
Defroster	●	
Starting Aid (air grid heater) for cold weather	●	
Centralized monitoring		
8" LCD display	●	
Engine speed or Trip meter/Accel.	●	
Engine coolant temperature gauge	●	
Max power	●	
Low speed/High speed	●	
Auto idle	●	
Overload	●	
Check Engine	●	
Air cleaner clogging	●	
Indicators	●	
ECO Gauges	●	
Fuel level gauge	●	
Hyd. oil temperature gauge	●	
Fuel warmer	●	
Warnings	●	
Communication error	●	
Low battery	●	
Clock	●	
Cabin lights		●
Cabin front window rain guard	●	
Cabin roof-steel cover		●
Seat		
Adjustable air suspension seat with heater		●
Cabin FOPS/FOG (ISO/DIS 10262) Level 2		
FOPS (Falling Object Protective Structure) · ISO 3449 Level 2		●
FOG (Falling Object Guard)		●
Cabin ROPS (ISO 12117-2)		
ROPS (Roll Over Protective Structure)	●	

SAFETY	STD	OPT
Battery master switch	●	
Rearview camera	●	
AAVM (Advanced Around View Monitoring)		●
Four front working lights	●	
Travel alarm	●	
Rear work lamp		●
Beacon lamp		●
Automatic swing brake	●	
Boom holding system	●	
Arm holding system	●	
Safety lock valve for boom cylinder with overload warning device	●	
Safety lock valve for arm cylinder		●
Swing Lock System		●
Three outside rearview mirrors	●	
OTHER		
Booms		
5.1 m; 16' 9"	●	
5.1 m; 16' 9" 2-piece boom		●
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	●	
Self-diagnostics system	●	
Hi MATE (Remote Management System)	●	
Batteries (2 × 12 V × 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		●
Boom floating control		●
Accumulator for lowering work equipment	●	
Pattern change valve (2 patterns)		●
Fine Swing Control System		●
Tool kit		●
UNDERCARRIAGE		
Lower frame under cover (Additional)		●
Lower frame under cover (Normal)	●	
Bulldozeris peilis		●
Track shoes		
Triple grouser shoes (500 mm; 20")		●
Triple grouser shoes (600 mm; 24")	●	
Triple grouser shoes (700 mm; 28")		●
Triple grouser shoes (800 mm; 32")		●
Track rail guard	●	

STD = Standard
OPT = Optional

- * Standard and optional equipment may vary. Contact your Hyundai dealer for more information.
The machine may vary according to International standards.
* The photos may include attachments and optional equipment that are not available in your area.
* Materials and specifications are subject to change without advance notice.
* All imperial measurements rounded off to the nearest pound or inch.
* The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant HFC-134a (Global Warming Potential = 1430). The system contains 0.65 kg of refrigerant which has a CO₂ equivalent of 0.9295 metric tonne.



PLEASE CONTACT

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