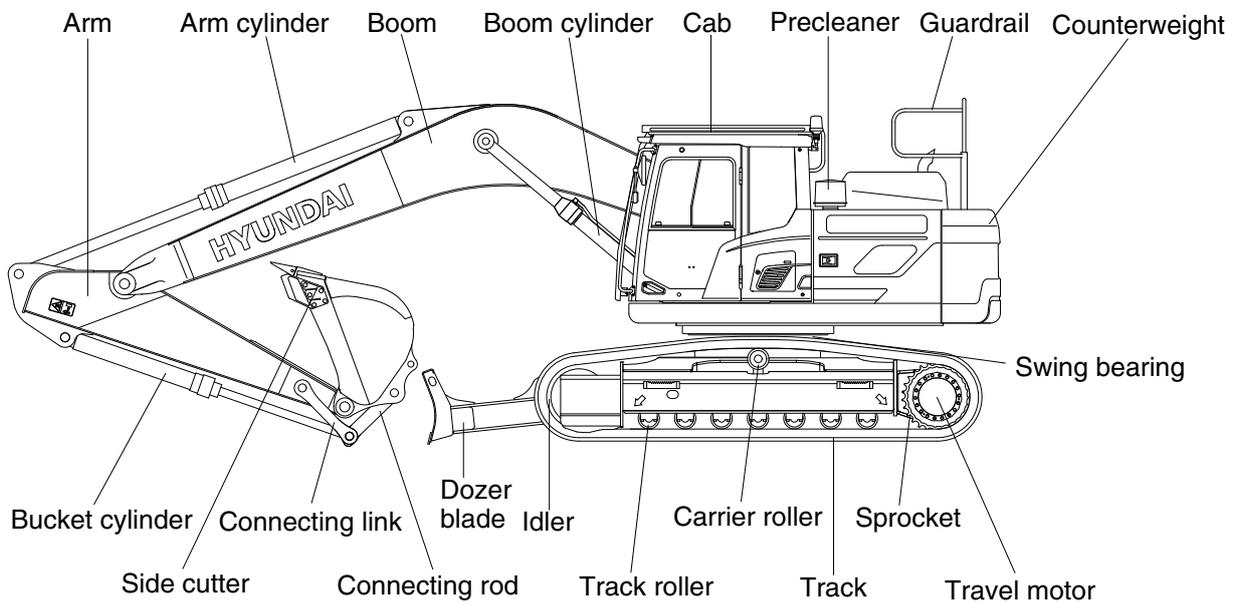
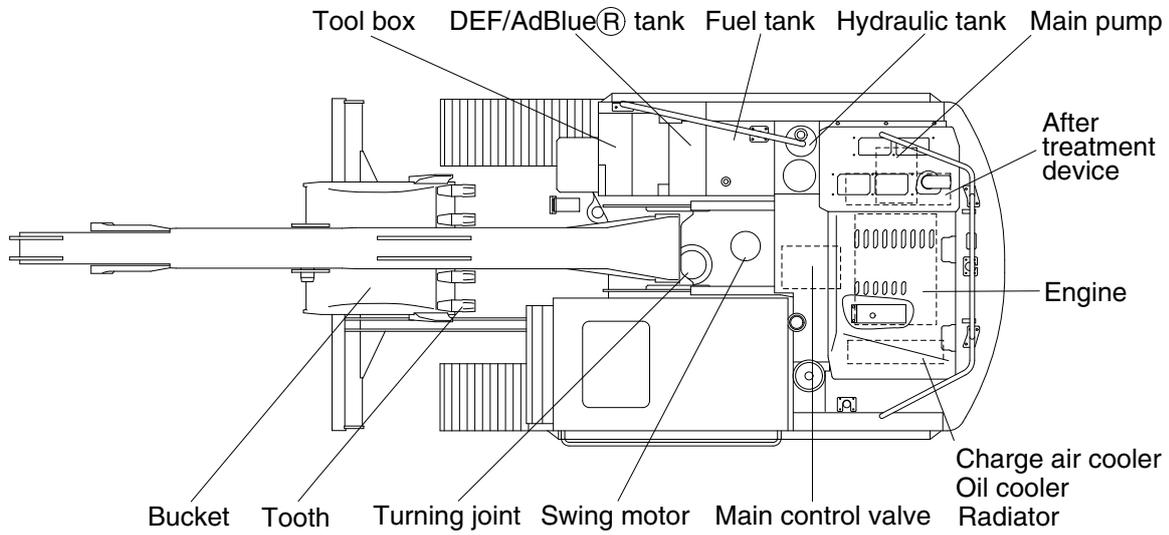


# SPECIFICATIONS

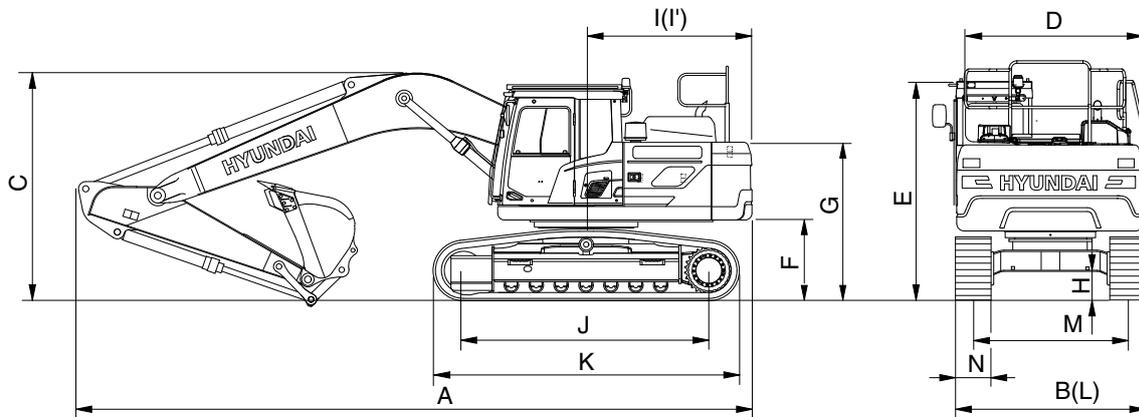
## 1. MAJOR COMPONENT



140A2SP01A

## 2. SPECIFICATIONS

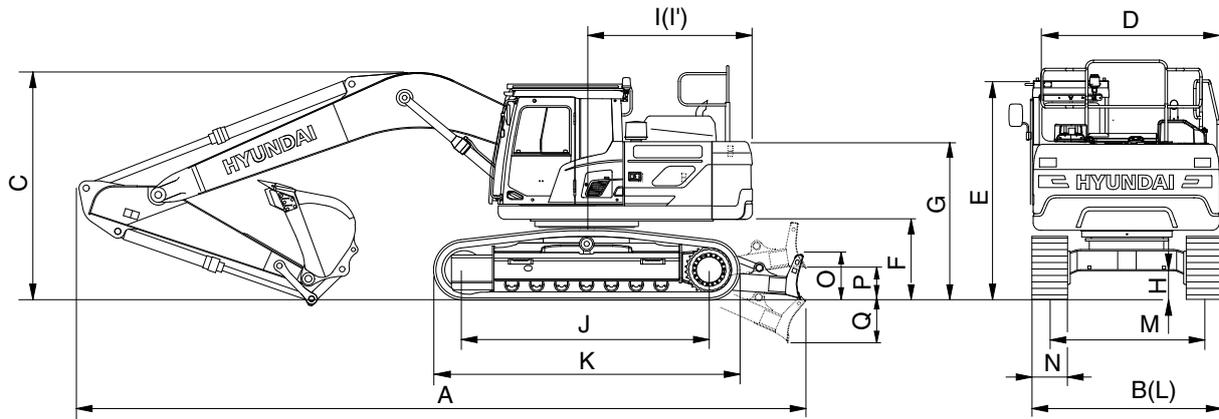
### 1) HX140A L, 4.6 m MONO BOOM



140A2SP02

Description	Unit		Specification		
	m (ft-in)	Boom	4.6 (15' 1")		
		Arm	2.5 (8' 2")	2.1 (6' 11")	3.0 (9' 10")
	mm (in)	Shoe	600 (24)		
Operating weight	kg (lb)		14405 (31760)	14350 (31640)	14470 (31900)
Overall length	A	mm (ft-in)	7810 (25' 7")	7815 (25' 8")	7775 (25' 6")
Overall width	B		2590 (8' 6")	2590 (8' 6")	2590 (8' 6")
Overall width with add footboard	B'		2590 (8' 6")	2590 (8' 6")	2590 (8' 6")
Overall height of boom	C		2730 (8' 11")	2565 (8' 5")	3160 (10' 4")
Overall width of upper structure	D		2475 (8' 1")	2475 (8' 1")	2475 (8' 1")
Overall height of cab	E		2835 (9' 4")	2835 (9' 4")	2835 (9' 4")
Ground clearance of counterweight	F		905 (3' 0")	905 (3' 0")	905 (3' 0")
Overall height of engine hood	G		2405 (7' 11")	2405 (7' 11")	2405 (7' 11")
Overall height of guardrail	G'		3085 (10' 1")	3085 (10' 1")	3085 (10' 1")
Minimum ground clearance	H		405 (1' 4")	405 (1' 4")	405 (1' 4")
Rear-end distance	I		2335 (7' 8")	2335 (7' 8")	2335 (7' 8")
Rear-end swing radius	I'		2345 (7' 8")	2345 (7' 8")	2345 (7' 8")
Distance between tumblers	J		3035 (9' 10")	3035 (9' 11")	3035 (9' 11")
Undercarriage length (without grouser)	K		3656 (12' 0")	3656 (12' 0")	3656 (12' 0")
Undercarriage length (with grouser)	K'		3706 (12' 2")	3706 (12' 2")	3706 (12' 2")
Undercarriage width	L		2590 (8' 6")	2590 (8' 6")	2590 (8' 6")
Undercarriage width with add footboard	L'		2590 (8' 6")	2590 (8' 6")	2590 (8' 6")
Track gauge	M		1990 (6' 6")	1990 (6' 6")	1990 (6' 6")
Track shoe width, standard	N		600 (2' 0")	600 (2' 0")	600 (2' 0")
Track shoe link quantity	EA		46	46	46
Travel speed (low/high)	km/hr (mph)	3.2/5.5 (2.0/3.4)	3.2/5.5 (2.0/3.4)	3.2/5.5 (2.0/3.4)	
Swing speed	rpm	11.4	11.4	11.4	
Gradeability	Degree (%)	35 (70)	35 (70)	35 (70)	
Ground pressure	kgf/cm <sup>2</sup> (psi)	0.37 (5.26)	0.37 (5.25)	0.37 (5.29)	
Max traction force	kg (lb)	12670 (27930)	12670 (27930)	12670 (27930)	

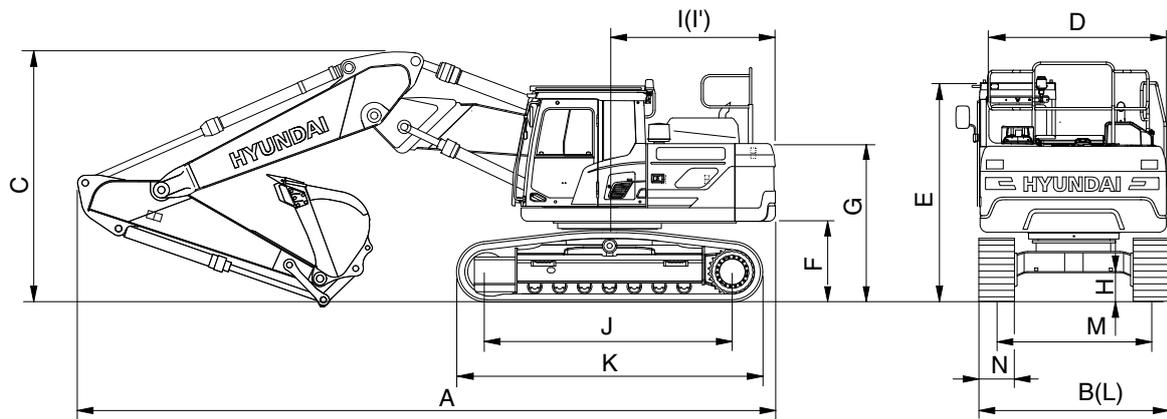
## 2) HX140A LD, 4.6 m MONO BOOM



140A2SP03

Description	Unit		Specification		
	m (ft-in)	Boom	4.6 (15' 1")		
		Arm	2.5 (8' 2")	2.1 (6' 11")	3.0 (9' 10")
	mm (in)	Shoe	600 (24)		
Operating weight	kg (lb)	15235 (33590)	15175 (33460)	15295 (33720)	
Overall length	A	8135 (26' 8")	8140 (26' 8")	8100 (26' 7")	
Overall width	B	2590 (8' 6")	2590 (8' 6")	2590 (8' 6")	
Overall width with add footboard	B'	2590 (8' 6")	2590 (8' 6")	2590 (8' 6")	
Overall height of boom	C	2730 (8' 11")	2565 (8' 5")	3160 (10' 4")	
Overall width of upper structure	D	2475 (8' 1")	2475 (8' 1")	2475 (8' 1")	
Overall height of cab	E	2835 (9' 4")	2835 (9' 4")	2835 (9' 4")	
Ground clearance of counterweight	F	905 (3' 0")	905 (3' 0")	905 (3' 0")	
Overall height of engine hood	G	2405 (7' 11")	2405 (7' 11")	2405 (7' 11")	
Overall height of guardrail	G'	3085 (10' 1")	3085 (10' 1")	3085 (10' 1")	
Minimum ground clearance	H	405 (1' 4")	405 (1' 4")	405 (1' 4")	
Rear-end distance	I	2335 (7' 8")	2335 (7' 8")	2335 (7' 8")	
Rear-end swing radius	I'	2345 (7' 8")	2345 (7' 8")	2345 (7' 8")	
Distance between tumblers	J	3035 (9' 10")	3035 (9' 11")	3035 (9' 11")	
Undercarriage length (without grouser)	K	3656 (12' 0")	3656 (12' 0")	3656 (12' 0")	
Undercarriage length (with grouser)	K'	3706 (12' 2")	3706 (12' 2")	3706 (12' 2")	
Undercarriage width	L	2590 (8' 6")	2590 (8' 6")	2590 (8' 6")	
Undercarriage width with add footboard	L'	2590 (8' 6")	2590 (8' 6")	2590 (8' 6")	
Track gauge	M	1990 (6' 6")	1990 (6' 6")	1990 (6' 6")	
Track shoe width, standard	N	600 (2' 0")	600 (2' 0")	600 (2' 0")	
Height of blade	O	590 (1' 11")	590 (1' 11")	590 (1' 11")	
Ground clearance of blade up	P	500 (1' 8")	500 (1' 8")	500 (1' 8")	
Depth of blade down	Q	525 (1' 9")	525 (1' 9")	525 (1' 9")	
Track shoe link quantity	EA	46	46	46	
Travel speed (low/high)	km/hr (mph)	3.2/5.5 (2.0/3.4)	3.2/5.5 (2.0/3.4)	3.2/5.5 (2.0/3.4)	
Swing speed	rpm	11.4	11.4	11.4	
Gradeability	Degree (%)	35 (70)	35 (70)	35 (70)	
Ground pressure	kgf/cm <sup>2</sup> (psi)	0.39 (5.56)	0.39 (5.55)	0.39 (5.59)	
Max traction force	kg (lb)	12670 (27930)	12670 (27930)	12670 (27930)	

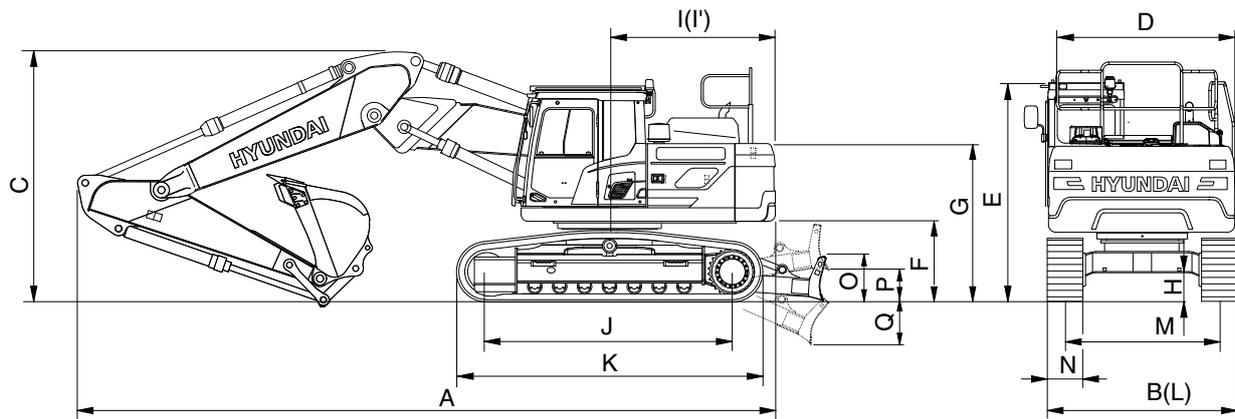
### 3) HX140A L, 4.9 m 2-PIECE BOOM



140A2SP04

Description	Unit		Specification	
	m (ft-in)	Boom	4.9 (16' 1") 2-PCS	
		Arm	2.5 (8' 2")	2.1 (6' 11")
	mm (in)	Shoe	600 (24)	
Operating weight	kg (lb)		15100 33290	15030 33140
Overall length	A	mm (ft-in)	8155 (26' 9")	8180 (26' 10")
Overall width	B		2590 (8' 6")	2590 (8' 6")
Overall width with add footboard	B'		2590 (8' 6")	2590 (8' 6")
Overall height of boom	C		2925 (9' 7")	2900 (9' 6")
Overall width of upper structure	D		2475 (8' 1")	2475 (8' 1")
Overall height of cab	E		2835 (9' 4")	2835 (9' 4")
Ground clearance of counterweight	F		905 (3' 0")	905 (3' 0")
Overall height of engine hood	G		2405 (7' 11")	2405 (7' 11")
Overall height of guardrail	G'		3085 (10' 1")	3085 (10' 1")
Minimum ground clearance	H		405 (1' 4")	405 (1' 4")
Rear-end distance	I		2335 (7' 8")	2335 (7' 8")
Rear-end swing radius	I'		2345 (7' 8")	2345 (7' 8")
Distance between tumblers	J		3035 (9' 10")	3035 (9' 11")
Undercarriage length (without grouser)	K		3656 (12' 0")	3656 (12' 0")
Undercarriage length (with grouser)	K'		3706 (12' 2")	3706 (12' 2")
Undercarriage width	L		2590 (8' 6")	2590 (8' 6")
Undercarriage width with add footboard	L'		2590 (8' 6")	2590 (8' 6")
Track gauge	M		1990 (6' 6")	1990 (6' 6")
Track shoe width, standard	N		600 (2' 0")	600 (2' 0")
Track shoe link quantity	EA		46	46
Travel speed (low/high)	km/hr (mph)	3.2 / 5.5 (2.0/3.4)	3.2 / 5.5 (2.0/3.4)	
Swing speed	rpm	11.4	11.4	
Gradeability	Degree (%)	35 (70)	35 (70)	
Ground pressure	kgf/cm <sup>2</sup> (psi)	0.39 (5.52)	0.39 (5.49)	
Max traction force	kg (lb)	12670 (27930)	12670 (27930)	

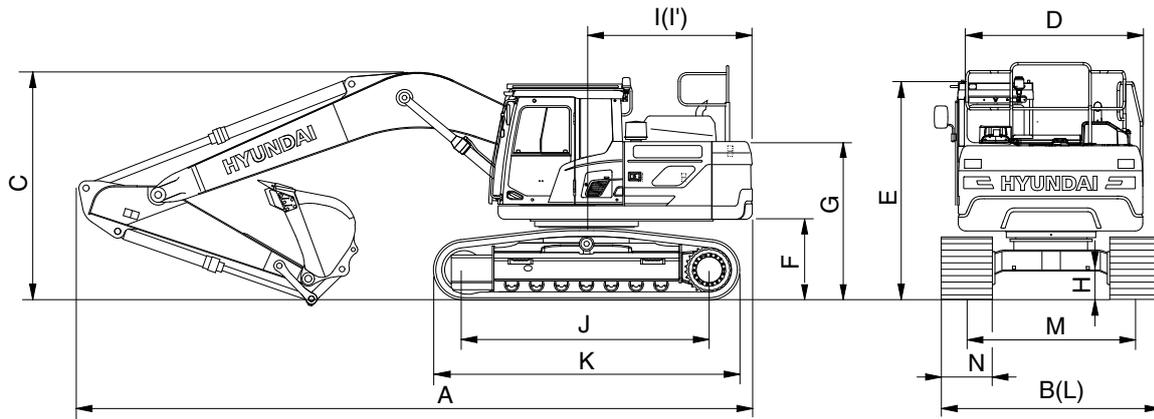
#### 4) HX140A LD, 4.9 m 2-PIECE BOOM



140A2SP05

Description	Unit		Specification	
	m (ft-in)	Boom	4.9 (16' 1") 2-PCS	
		Arm	2.5 (8' 2")	2.1 (6' 11")
	mm (in)	Shoe	600 (24)	
Operating weight	kg (lb)		15650 (34500)	15590 (34370)
Overall length	A	mm (ft-in)	8480 (27' 10")	8505 (27' 11")
Overall width	B		2590 (8' 6")	2590 (8' 6")
Overall width with add footboard	B'		2590 (8' 6")	2590 (8' 6")
Overall height of boom	C		2925 (9' 7")	2900 (9' 6")
Overall width of upper structure	D		2475 (8' 1")	2475 (8' 1")
Overall height of cab	E		2835 (9' 4")	2835 (9' 4")
Ground clearance of counterweight	F		905 (3' 0")	905 (3' 0")
Overall height of engine hood	G		2405 (7' 11")	2405 (7' 11")
Overall height of guardrail	G'		3085 (10' 1")	3085 (10' 1")
Minimum ground clearance	H		405 (1' 4")	405 (1' 4")
Rear-end distance	I		2335 (7' 8")	2335 (7' 8")
Rear-end swing radius	I'		2345 (7' 8")	2345 (7' 8")
Distance between tumblers	J		3035 (9' 10")	3035 (9' 11")
Undercarriage length (without grouser)	K		3656 (12' 0")	3656 (12' 0")
Undercarriage length (with grouser)	K'		3706 (12' 2")	3706 (12' 2")
Undercarriage width	L		2590 (8' 6")	2590 (8' 6")
Undercarriage width with add footboard	L'		2590 (8' 6")	2590 (8' 6")
Track gauge	M		1990 (6' 6")	1990 (6' 6")
Track shoe width, standard	N		600 (2' 0")	600 (2' 0")
Height of blade	O		590 (1' 11")	590 (1' 11")
Ground clearance of blade up	P	500 (1' 8")	500 (1' 8")	
Depth of blade down	Q	525 (1' 9")	525 (1' 9")	
Track shoe link quantity	EA	46	46	
Travel speed (low/high)	km/hr (mph)	3.2 / 5.5 (2.0/3.4)	3.2 / 5.5 (2.0/3.4)	
Swing speed	rpm	11.4	11.4	
Gradeability	Degree (%)	35 (70)	35 (70)	
Ground pressure	kgf/cm <sup>2</sup> (psi)	0.40 (5.72)	0.40 (5.70)	
Max traction force	kg (lb)	12670 (27930)	12670 (27930)	

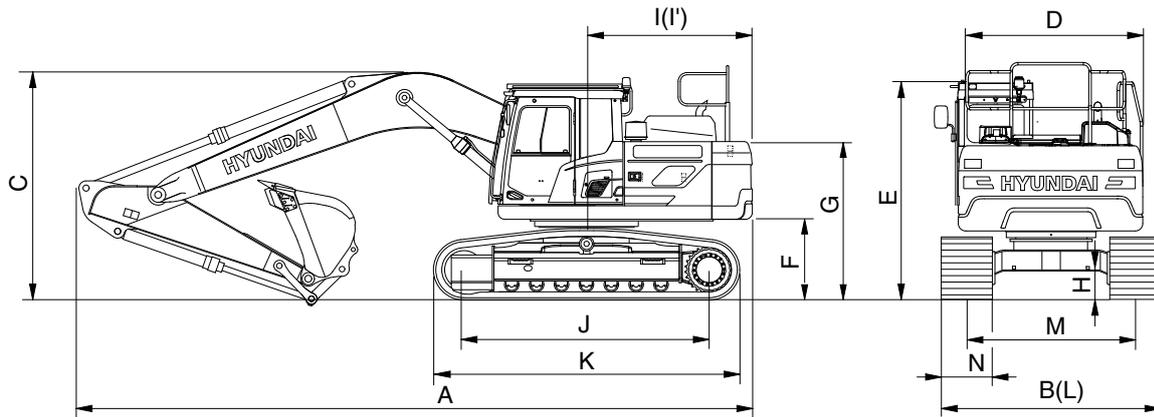
### 5) HX140A HW, 800 mm SHOE



140A2SP06

Description	Unit		Specification				
	m (ft-in)	Boom	4.6 (15' 1") MONO			4.9 (16' 1") 2-PCS	
		Arm	2.5 (8' 2")	2.1 (6' 11")	3.0 (9' 10")	2.5 (8' 2")	2.1 (6' 11")
mm (in)	Shoe	800 (32)					
Operating weight	kg (lb)	17460(38490)	17395(38350)	17525(38640)	18140(39990)	18075(39850)	
Overall length	A	7775(25' 6")	7755(25' 5")	7845(25' 9")	8155(26' 9")	8180(26' 10")	
Overall width	B	2840(9' 4")	2840(9' 4")	2840(9' 4")	2840(9' 4")	2840(9' 4")	
Overall width with add footboard	B'	2840(9' 4")	2840(9' 4")	2840(9' 4")	2840(9' 4")	2840(9' 4")	
Overall height of boom	C	2750(9' 0")	2600(8' 6")	3120(10' 3")	2925(9' 7")	2900(9' 6")	
Overall width of upper structure	D	2475(8' 1")	2475(8' 1")	2475(8' 1")	2475(8' 1")	2475(8' 1")	
Overall height of cab	E	3135(10' 3")	3135(10' 3")	3135(10' 3")	3135(10' 3")	3135(10' 3")	
Ground clearance of counterweight	F	1205(3' 11")	1205(3' 11")	1205(3' 11")	1205(3' 11")	1205(3' 11")	
Overall height of engine hood	G	2405(7' 11")	2405(7' 11")	2405(7' 11")	2405(7' 11")	2405(7' 11")	
Overall height of guardrail	G'	3385(11' 1")	3385(11' 1")	3385(11' 1")	3385(11' 1")	3385(11' 1")	
Minimum ground clearance	H	600(2' 0")	600(2' 0")	600(2' 0")	600(2' 0")	600(2' 0")	
Rear-end distance	I	2335(7' 8")	2335(7' 8")	2335(7' 8")	2335(7' 8")	2335(7' 8")	
Rear-end swing radius	I'	2345(7' 8")	2345(7' 8")	2345(7' 8")	2345(7' 8")	2345(7' 8")	
Distance between tumblers	J	3030(9' 11")	3030(9' 11")	3030(9' 11")	3030(9' 11")	3030(9' 11")	
Undercarriage length (without grouser)	K	3720(12' 2")	3720(12' 2")	3720(12' 2")	3720(12' 2")	3720(12' 2")	
Undercarriage length (with grouser)	K'	3770(12' 4")	3770(12' 4")	3770(12' 4")	3770(12' 4")	3770(12' 4")	
Undercarriage width	L	2840(9' 4")	2840(9' 4")	2840(9' 4")	2840(9' 4")	2840(9' 4")	
Undercarriage width with add footboard	L'	2840(9' 4")	2840(9' 4")	2840(9' 4")	2840(9' 4")	2840(9' 4")	
Track gauge	M	2040(6' 8")	2040(6' 8")	2040(6' 8")	2040(6' 8")	2040(6' 8")	
Track shoe width, standard	N	800(2' 7")	800(2' 7")	800(2' 7")	800(2' 7")	800(2' 7")	
Track shoe link quantity	EA	47	47	47	47	47	
Travel speed (low/high)	km/hr (mph)	2.4/4.3(1.5/2.7)	2.4/4.3(1.5/2.7)	2.4/4.3(1.5/2.7)	2.4/4.3(1.5/2.7)	2.4/4.3(1.5/2.7)	
Swing speed	rpm	11.4	11.4	11.4	11.4	11.4	
Gradeability	Degree (%)	35(70)	35(70)	35(70)	35(70)	35(70)	
Ground pressure	kgf/cm <sup>2</sup> (psi)	0.33(4.69)	0.33(4.69)	0.33(4.71)	0.35(4.98)	0.33(4.69)	
Max traction force	kg (lb)	16660(36730)	16660(36730)	16660(36730)	16660(36730)	16660(36730)	

## 6) HX140A HW, 900 mm SHOE

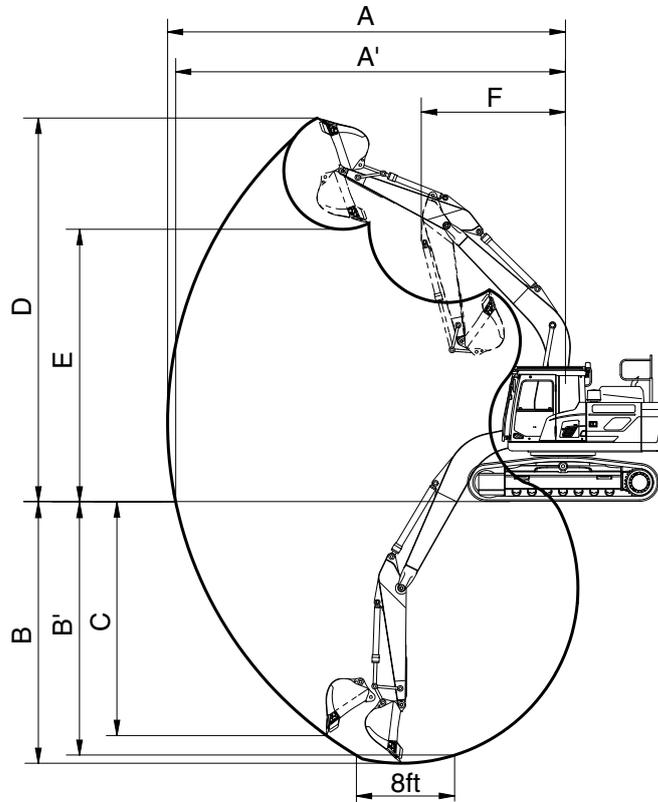


140A2SP06

Description	Unit		Specification				
	m (ft-in)	Boom	4.6 (15' 1") MONO			4.9 (16' 1") 2-PCS	
		Arm	2.5 (8' 2")	2.1 (6' 11")	3.0 (9' 10")	2.5 (8' 2")	2.1 (6' 11")
mm (in)	Shoe	900 (36)					
Operating weight	kg (lb)	17180(37880)	17115(37730)	17245(38020)	17865(39390)	17800(39240)	
Overall length	A	7775(25' 6")	7755(25' 5")	7845(25' 9")	8155(26' 9")	8180(26' 10")	
Overall width	B	2940(9' 8")	2940(9' 8")	2940(9' 8")	2940(9' 8")	2940(9' 8")	
Overall width with add footboard	B'	2940(9' 8")	2940(9' 8")	2940(9' 8")	2940(9' 8")	2940(9' 8")	
Overall height of boom	C	2750(9' 0")	2600(8' 6")	3120(10' 3")	2925(9' 7")	2900(9' 6")	
Overall width of upper structure	D	2475(8' 1")	2475(8' 1")	2475(8' 1")	2475(8' 1")	2475(8' 1")	
Overall height of cab	E	3135(10' 3")	3135(10' 3")	3135(10' 3")	3135(10' 3")	3135(10' 3")	
Ground clearance of counterweight	F	1205(3' 11")	1205(3' 11")	1205(3' 11")	1205(3' 11")	1205(3' 11")	
Overall height of engine hood	G	2405(7' 11")	2405(7' 11")	2405(7' 11")	2405(7' 11")	2405(7' 11")	
Overall height of guardrail	G'	3385(11' 1")	3385(11' 1")	3385(11' 1")	3385(11' 1")	3385(11' 1")	
Minimum ground clearance	H	600(2' 0")	600(2' 0")	600(2' 0")	600(2' 0")	600(2' 0")	
Rear-end distance	I	2335(7' 8")	2335(7' 8")	2335(7' 8")	2335(7' 8")	2335(7' 8")	
Rear-end swing radius	I'	2345(7' 8")	2345(7' 8")	2345(7' 8")	2345(7' 8")	2345(7' 8")	
Distance between tumblers	J	3030(9' 11")	3030(9' 11")	3030(9' 11")	3030(9' 11")	3030(9' 11")	
Undercarriage length (without grouser)	K	3720(12' 2")	3720(12' 2")	3720(12' 2")	3720(12' 2")	3720(12' 2")	
Undercarriage length (with grouser)	K'	3770(12' 4")	3770(12' 4")	3770(12' 4")	3770(12' 4")	3770(12' 4")	
Undercarriage width	L	2940(9' 8")	2940(9' 8")	2940(9' 8")	2940(9' 8")	2940(9' 8")	
Undercarriage width with add footboard	L'	2940(9' 8")	2940(9' 8")	2940(9' 8")	2940(9' 8")	2940(9' 8")	
Track gauge	M	2040(6' 8")	2040(6' 8")	2040(6' 8")	2040(6' 8")	2040(6' 8")	
Track shoe width, standard	N	900(2' 11")	900(2' 11")	900(2' 11")	900(2' 11")	900(2' 11")	
Track shoe link quantity	EA	47	47	47	47	47	
Travel speed (low/high)	km/hr (mph)	2.4/4.3(1.5/2.7)	2.4/4.3(1.5/2.7)	2.4/4.3(1.5/2.7)	2.4/4.3(1.5/2.7)	2.4/4.3(1.5/2.7)	
Swing speed	rpm	11.4	11.4	11.4	11.4	11.4	
Gradeability	Degree (%)	35(70)	35(70)	35(70)	35(70)	35(70)	
Ground pressure	kgf/cm <sup>2</sup> (psi)	0.29(4.11)	0.29(4.11)	0.29(4.12)	0.30(4.27)	0.29(4.11)	
Max traction force	kg (lb)	16660(36730)	16660(36730)	16660(36730)	16660(36730)	16660(36730)	

### 3. WORKING RANGE AND DIGGING FORCE

#### 1) HX140A L/LD, 4.6 m MONO BOOM

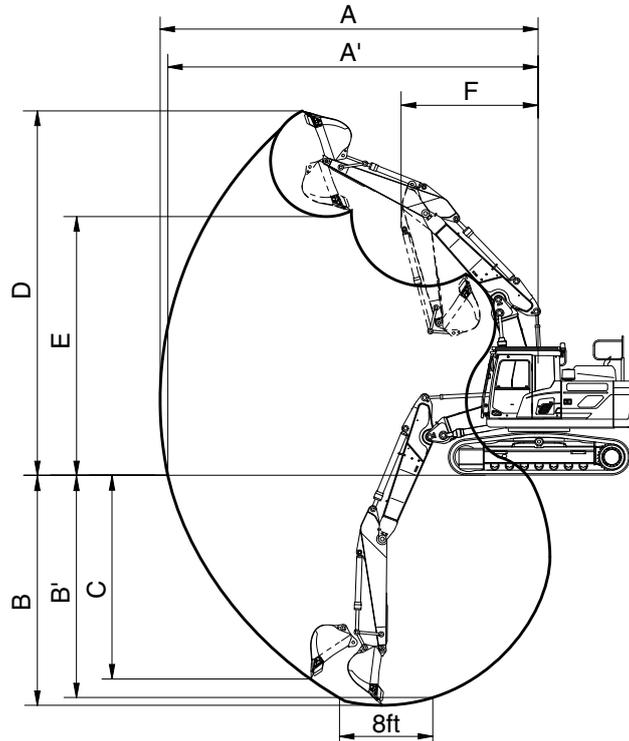


140A2SP10

Description	m (ft-in)	Boom	4.6 (15' 1")		
		Arm	2.5 (8' 2")	2.1 (6' 11")	3.0 (9' 10")
Max digging reach	mm (ft-in)	A	8290 (27' 2")	7820 (25' 8")	8670 (28' 5")
Max digging reach on ground		A'	8140 (26' 8")	7660 (25' 2")	8530 (28' 0")
Max digging depth		B	5380 (17' 8")	4980 (16' 4")	5880 (19' 3")
Max digging depth (8 ft level)		B'	5180 (17' 0")	4710 (15' 5")	5690 (18' 8")
Max vertical wall digging depth		C	4770 (15' 8")	3990 (13' 1")	4980 (16' 4")
Max digging height		D	8580 (28' 2")	8070 (26' 6")	8650 (28' 5")
Max dumping height		E	6240 (20' 6")	5790 (19' 0")	6350 (20' 10")
Min swing radius		F	2450 (8' 0")	2330 (7' 8")	2660 (8' 9")
Bucket digging force	kN	SAE	94.3 [102.4]	94.3 [102.4]	94.3 [102.4]
	kgf		9620 [10440]	9620 [10440]	9620 [10440]
	lbf		21210 [23020]	21210 [23020]	21210 [23020]
	kN	ISO	111.4 [120.9]	111.4 [120.9]	111.4 [120.9]
	kgf		11360 [12330]	11360 [12330]	11360 [12330]
	lbf		25040 [27180]	25040 [27180]	25040 [27180]
Arm digging force	kN	SAE	62.0 [67.3]	71.7 [77.9]	57.0 [61.9]
	kgf		6320 [6860]	7310 [7940]	5810 [6310]
	lbf		13930 [15120]	16120 [17500]	12810 [13910]
	kN	ISO	64.6 [70.1]	75.1 [81.6]	59.0 [64.1]
	kgf		6590 [7150]	7660 [8320]	6020 [6540]
	lbf		14530 [15760]	16890 [18340]	13270 [14420]

[ ] : Power boost

## 2) HX140A L/LD, 4.9 m 2-PIECE BOOM

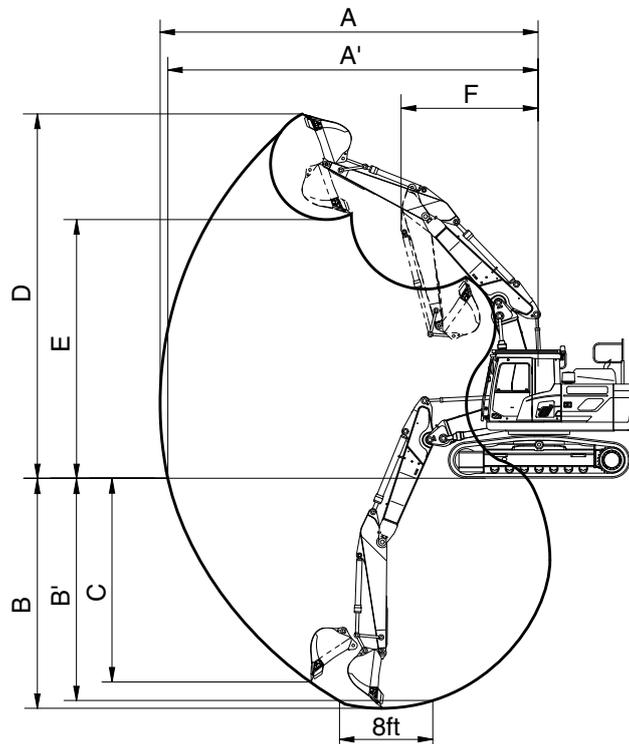


140A2SP11

Description	m (ft-in)	Boom	4.9 (16' 1") 2-PCS	
		Arm	2.5 (8' 2")	2.1 (6' 11")
Max digging reach	mm (ft-in)	A	8720 (28' 7")	8320 (27' 4")
Max digging reach on ground		A'	8580 (28' 2")	8170 (26' 10")
Max digging depth		B	5680 (18' 8")	5270 (17' 3")
Max digging depth (8 ft level)		B'	5570 (18' 3")	5160 (16' 11")
Max vertical wall digging depth		C	5080 (16' 8")	4620 (15' 2")
Max digging height		D	9310 (30' 7")	8890 (29' 2")
Max dumping height		E	6820 (22' 5")	6480 (21' 3")
Min swing radius		F	2690 (8' 10")	2820 (9' 3")
Bucket digging force	kN	SAE	95.1 [103.3]	95.1 [103.3]
	kgf		9700 [10530]	9700 [10530]
	lbf		21380 [23210]	21380 [23210]
	kN	ISO	112.4 [122.0]	112.4 [122.0]
	kgf		11460 [12440]	11460 [12440]
	lbf		25260 [27430]	25260 [27430]
Arm digging force	kN	SAE	63.5 [69.0]	74.7 [81.1]
	kgf		6480 [7040]	7620 [8270]
	lbf		14290 [15520]	16800 [18230]
	kN	ISO	66.2 [71.9]	78.3 [84.9]
	kgf		6750 [7330]	7980 [8660]
	lbf		14880 [16160]	17590 [19090]

[ ] : Power boost

### 3) HX140A HW, 4.6 m MONO BOOM

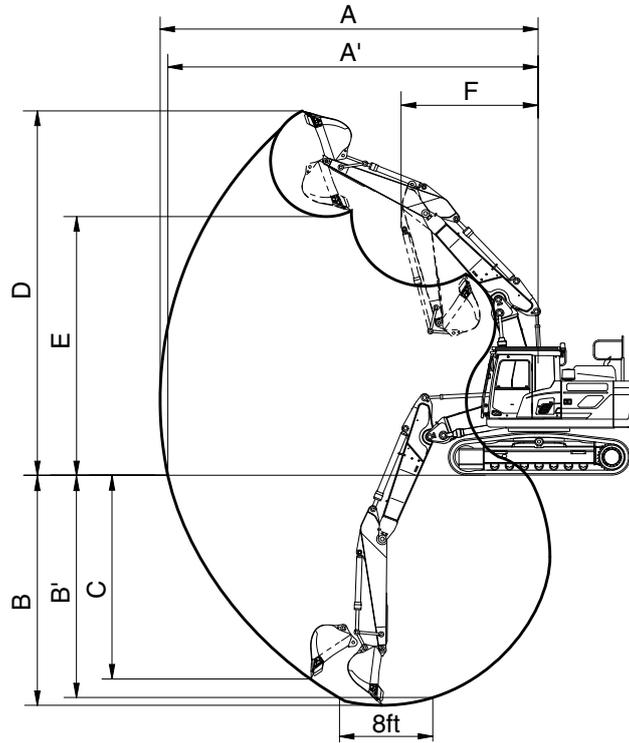


140A2SP11

Description	m (ft-in)	Boom	4.6 (15' 1")		
		Arm	2.5 (8' 2")	2.1 (6' 11")	3.0 (9' 10")
Max digging reach	mm (ft-in)	A	8290 (27' 2")	7820 (25' 8")	8670 (28' 5")
Max digging reach on ground		A'	8080 (26' 6")	7600 (24' 11")	8470 (27' 9")
Max digging depth		B	5110 (16' 9")	4710 (15' 5")	5610 (18' 5")
Max digging depth (8 ft level)		B'	4900 (16' 1")	4430 (14' 6")	5410 (17' 9")
Max vertical wall digging depth		C	4490 (14' 9")	3710 (12' 2")	4700 (15' 5")
Max digging height		D	8860 (29' 1")	8350 (27' 5")	8930 (29' 4")
Max dumping height		E	6520 (21' 5")	6070 (19' 11")	6620 (21' 9")
Min swing radius		F	2450 (8' 0")	2330 (7' 8")	2660 (8' 9")
Bucket digging force	kN	SAE	94.3 [102.4]	94.3 [102.4]	94.3 [102.4]
	kgf		9620 [10440]	9620 [10440]	9620 [10440]
	lbf		21210 [23020]	21210 [23020]	21210 [23020]
	kN	ISO	111.4 [120.9]	111.4 [120.9]	111.4 [120.9]
	kgf		11360 [12330]	11360 [12330]	11360 [12330]
	lbf		25040 [27180]	25040 [27180]	25040 [27180]
Arm digging force	kN	SAE	62.0 [67.3]	71.7 [77.9]	57.0 [61.9]
	kgf		6320 [6860]	7310 [7940]	5810 [6310]
	lbf		13930 [15120]	16120 [17500]	12810 [13910]
	kN	ISO	64.6 [70.1]	75.1 [81.6]	59.0 [64.1]
	kgf		6590 [7150]	7660 [8320]	6020 [6540]
	lbf		14530 [15760]	16890 [18340]	13270 [14420]

[ ] : Power boost

#### 4) HX140A HW, 4.9 m 2-PIECE BOOM



140A2SP11

Description	m (ft-in)	Boom	4.9 (16' 1") 2-PCS	
		Arm	2.5 (8' 2")	2.1 (6' 11")
Max digging reach	mm (ft-in)	A	8720 (28' 7")	8320 (27' 4")
Max digging reach on ground		A'	8580 (28' 2")	8170 (26' 10")
Max digging depth		B	5680 (18' 8")	5270 (17' 3")
Max digging depth (8 ft level)		B'	5570 (18' 3")	5160 (16' 11")
Max vertical wall digging depth		C	5080 (16' 8")	4620 (15' 2")
Max digging height		D	9310 (30' 7")	8890 (29' 2")
Max dumping height		E	6365 (20' 11")	6480 (21' 3")
Min swing radius		F	2660 (8' 9")	2820 (9' 3")
Bucket digging force	kN	SAE	95.1 [103.3]	95.1 [103.3]
	kgf		9700 [10530]	9700 [10530]
	lbf		21380 [23210]	21380 [23210]
	kN	ISO	112.4 [122.0]	112.4 [122.0]
	kgf		11460 [12440]	11460 [12440]
	lbf		25260 [27430]	25260 [27430]
Arm digging force	kN	SAE	63.5 [69.0]	74.7 [81.1]
	kgf		6480 [7040]	7620 [8270]
	lbf		14290 [15520]	16800 [18230]
	kN	ISO	66.2 [71.9]	78.3 [84.9]
	kgf		6750 [7330]	7980 [8660]
	lbf		14880 [16160]	17590 [19090]

[ ] : Power boost

## 4. WEIGHT

Item	Qty	HX140A L		HX140A LD		HX140A HW	
	EA	kg	lb	kg	lb	kg	lb
Upperstructure assembly							
· Main frame weld assembly	1	1141	2515	1141	2515	1141	2515
· Engine assembly	1	360	794	360	794	360	794
· Aftertreatment assy	1	64	141	64	141	64	141
· Main pump assembly	1	92	203	92	203	92	203
· Main control valve assembly	1	140	309	140	309	140	309
· Swing motor assembly	1	130	287	130	287	130	287
· Hydraulic oil tank WA	1	135	299	135	299	136	300
· Fuel tank WA	1	144	318	144	318	138	305
· Counterweight	1	2100	4630	2100	4630	2400	5291
· Cab assembly	1	495	1090	495	1090	495	1090
Lower chassis assembly							
· Track frame weld assembly	1	1497	3300	1667	3675	2199	4848
· Dozer blade assembly	1	-	-	503	1109	-	-
· Swing bearing	1	214	472	214	472	214	472
· Travel motor assembly	2	278	613	278	613	299	659
· Turning joint	1	56	123	63	139	117	258
· Sprocket	2	40	87	40	87	49	109
· Track recoil spring	2	93	204	93	204	132	291
· Idler	2	104	229	104	229	151	332
· Upper roller	2	19	42	19	42	40	88
· Lower roller	14	35	77	35	77	40	88
· Track Guard-General for LC	2	36	79	36	79	-	-
· Track Guard-Full for forest	-	-	-	-	-	592	1305
· Track Guard-General for MUD	-	-	-	-	-	86	190
· Track-chain assembly (500 mm, 46 link)	2	922	2033	922	2033	-	-
· Track-chain assembly (600 mm, 46 link)	2	1027	2263	1027	2263	-	-
· Track-chain assembly (700 mm, 46 link)	2	1131	2494	1131	2494	-	-
· Track-chain assembly (700 mm, HW)	2	-	-	-	-	1250	2755
· Track-chain assembly (800 mm, HW)	2	-	-	-	-	1367	3013
· Track-chain assembly (900 mm, HW)	2	-	-	-	-	1482	3267

※ This information is different with operating and transportation weight because it is not including harness, pipe, oil, fuel so on.

※ Refer to Transportation for actual weight information and Specifications for operating weight.

Item	Qty	HX140A L		HX140A LD		HX140A HW	
	EA	kg	lb	kg	lb	kg	lb
Front attachment assembly							
· 4.6 m mono boom assembly	1	815	1797	815	1797	815	1797
· 4.1 m mono boom assembly	1	760	1675	760	1675	760	1675
· 4.9 m 2-piece boom assembly	1	1024	2258	1024	2258	1024	2258
· 2.5 m arm assembly	1	450	992	450	992	450	992
· 1.9 m arm assembly	1	360	794	360	794	360	794
· 2.1 m arm assembly	1	390	860	390	860	390	860
· 3.0 m arm assembly	1	485	1069	485	1069	485	1069
· 2.5 m arm assembly (w/o reinforce)	1	436	961	436	961	436	961
· 3.0 m arm assembly (w/o reinforce)	1	471	1038	471	1038	471	1038
· 0.58 m <sup>3</sup> bucket assembly	1	438	966	438	966	438	966
· 0.52 m <sup>3</sup> bucket assembly	1	411	906	411	906	411	906
· 0.65 m <sup>3</sup> bucket assembly	1	459	1012	459	1012	459	1012
· 0.50 m <sup>3</sup> bucket assembly	1	439	968	439	968	439	968
· 0.62 m <sup>3</sup> bucket assembly	1	491	1082	491	1082	491	1082
· 0.66 m <sup>3</sup> bucket assembly	1	526	1160	526	1160	526	1160
· 0.77 m <sup>3</sup> bucket assembly	1	578	1274	578	1274	578	1274
· Boom cylinder assembly	2	119	262	119	262	119	262
· Arm cylinder assembly	1	145	320	145	320	145	320
· Bucket cylinder assembly	1	104	229	104	229	104	229
· 2-piece boom cylinder assembly	1	170	375	170	375	168	370
· Dozer cylinder assembly	2	54	120	54	120	51	112
· Bucket control linkage total	1	113	249	113	249	113	249

※ This information is different with operating and transportation weight because it is not including harness, pipe, oil, fuel so on.

※ Refer to Transportation for actual weight information and Specifications for operating weight.

## 5. LIFTING CAPACITIES

### 1) HX140A L

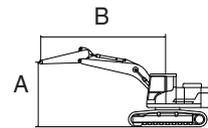
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX140A L	MONO BOOM	4600	2100	2100	600	-	-	-	-	-



: Rating over-front



: Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)								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)
6.0 m (19.7 ft)	kg lb					*3860 *8510	*3860 *8510			*3020 *6660	*3020 *6660	4.79 (15.7)
4.5 m (14.8 ft)	kg lb					*4350 *9590	4120 9080			*2830 *6240	2720 6000	5.87 (19.2)
3.0 m (9.8 ft)	kg lb			*7500 *16530	7270 16030	*5200 *11460	3940 8690	3870 8530	2570 5670	*2880 *6350	2320 5110	6.42 (21.1)
1.5 m (4.9 ft)	kg lb					5840 12870	3730 8220	3780 8330	2490 5490	*3120 *6880	2180 4810	6.59 (21.6)
0.0 m (0.0 ft)	kg lb			*6970 *15370	6490 14310	5680 12520	3590 7910	3720 8200	2430 5360	3390 7470	2230 4920	6.41 (21.0)
-1.5 m (-4.9 ft)	kg lb	*6030 *13290	*6030 *13290	*9760 *21520	6520 14370	5650 12460	3560 7850			3870 8530	2520 5560	5.83 (19.1)
-3.0 m (-9.8 ft)	kg lb			*7980 *17590	6650 14660	*5380 *11860	3650 8050			*5000 *11020	3420 7540	4.72 (15.5)

Note 1. Lifting capacity are based on ISO 10567.

- 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.
- The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).
- \*Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

Lifting capacities will vary with different work tools, ground conditions and attachments.

The difference between the weight of a work tool attachment must be subtracted.

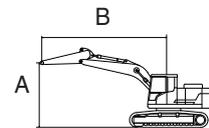
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.

▲ Failure to comply to the rated load can cause serious injury, death, or property damage. Make adjustments to the rated load as necessary for non-standard configurations.

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX140A L	MONO BOOM	4600	2500	2100	600	-	-	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)								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)	
6.0 m (19.7 ft)	kg					*3670	*3670			*2180	*2180	5.42
	lb					*8090	*8090			*4810	*4810	(17.8)
4.5 m (14.8 ft)	kg					*3930	*3930	*3210	2650	*2020	*2020	6.39
	lb					*8660	*8660	*7080	5840	*4450	*4450	(21.0)
3.0 m (9.8 ft)	kg		*6610	*6610	*4820	3970	3880	2580	*2010	*2010	6.90	
	lb		*14570	*14570	*10630	8750	8550	5690	*4430	*4430	(22.6)	
1.5 m (4.9 ft)	kg		*7930	6750	5860	3740	3780	2490	*2120	1960	7.06	
	lb		*17480	14880	12920	8250	8330	5490	*4670	4320	(23.2)	
0.0 m (0.0 ft)	kg		*6750	6470	5680	3580	3690	2410	*2380	2000	6.89	
	lb		*14880	14260	12520	7890	8140	5310	*5250	4410	(22.6)	
-1.5 m (-4.9 ft)	kg	*4910	*4910	*9970	6450	5610	3520	3670	2390	*2910	2220	6.36
	lb	*10820	*10820	*21980	14220	12370	7760	8090	5270	*6420	4890	(20.9)
-3.0 m (-9.8 ft)	kg	*8760	*8760	*8640	6560	5660	3570			*4220	2830	5.36
	lb	*19310	*19310	*19050	14460	12480	7870			*9300	6240	(17.6)

Note 1. Lifting capacity are based on ISO 10567.

- 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.
- The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).
- \*Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

Lifting capacities will vary with different work tools, ground conditions and attachments.

The difference between the weight of a work tool attachment must be subtracted.

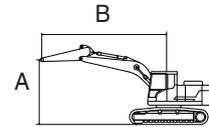
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.

▲ Failure to comply to the rated load can cause serious injury, death, or property damage. Make adjustments to the rated load as necessary for non-standard configurations.

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX140A L	MONO BOOM	4600	3000	2100	600	-	-	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)								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)	
7.5 m (24.6 ft)	kg									*2440	*2440	4.34
	lb									*5380	*5380	(14.2)
6.0 m (19.7 ft)	kg									*2070	*2070	5.91
	lb									*4560	*4560	(19.4)
4.5 m (14.8 ft)	kg					*3420	*3420	*3220	2690	*1960	*1960	6.81
	lb					*7540	*7540	*7100	5930	*4320	*4320	(22.4)
3.0 m (9.8 ft)	kg			*5510	*5510	*4340	4040	*3830	2610	*1980	1910	7.30
	lb			*12150	*12150	*9570	8910	*8440	5750	*4370	4210	(23.9)
1.5 m (4.9 ft)	kg			*8570	6910	*5510	3790	3800	2500	*2100	1810	7.44
	lb			*18890	15230	*12150	8360	8380	5510	*4630	3990	(24.4)
0.0 m (0.0 ft)	kg			*7920	6490	5690	3590	3690	2410	*2360	1830	7.28
	lb			*17460	14310	12540	7910	8140	5310	*5200	4030	(23.9)
-1.5 m (-4.9 ft)	kg	*4680	*4680	*9710	6380	5580	3490	3640	2360	*2870	2000	6.78
	lb	*10320	*10320	*21410	14070	12300	7690	8020	5200	*6330	4410	(22.3)
-3.0 m (-9.8 ft)	kg	*7710	*7710	*9300	6450	5600	3510			3800	2460	5.86
	lb	*17000	*17000	*20500	14220	12350	7740			8380	5420	(19.2)
-4.5 m (-14.8 ft)	kg			*6670	6670					*4510	3980	4.24
	lb			*14700	14700					*9940	8770	(13.9)

Note 1. Lifting capacity are based on 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 Lift-point is bucket pivot mounting pin on the arm (without bucket mass).

4. \*Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

Lifting capacities will vary with different work tools, ground conditions and attachments.

The difference between the weight of a work tool attachment must be subtracted.

Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.

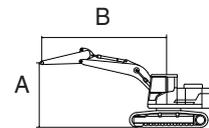
▲ Failure to comply to the rated load can cause serious injury, death, or property damage.

Make adjustments to the rated load as necessary for non-standard configurations.

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX140A L	MONO BOOM	4600	2100	2400	600	-	-	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)								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)	
6.0 m (19.7 ft)	kg					*3860	*3860			*3020	*3020	4.79
	lb					*8510	*8510			*6660	*6660	(15.7)
4.5 m (14.8 ft)	kg					*4350	4330			*2830	*2830	5.87
	lb					*9590	9550			*6240	*6240	(19.2)
3.0 m (9.8 ft)	kg		*7500	*7500	*5200	4150	4050	2720		*2880	2450	6.42
	lb		*16530	*16530	*11460	9150	8930	6000		*6350	5400	(21.1)
1.5 m (4.9 ft)	kg				6110	3930	3960	2640		*3120	2310	6.59
	lb				13470	8660	8730	5820		*6880	5090	(21.6)
0.0 m (0.0 ft)	kg		*6970	6860	5950	3800	3900	2580		3550	2360	6.41
	lb		*15370	15120	13120	8380	8600	5690		7830	5200	(21.0)
-1.5 m (-4.9 ft)	kg	*6030	*6030	*9760	6880	5920	3770			4050	2670	5.83
	lb	*13290	*13290	*21520	15170	13050	8310			8930	5890	(19.1)
-3.0 m (-9.8 ft)	kg		*7980	7020	*5380	3850				*5000	3620	4.72
	lb		*17590	15480	*11860	8490				*11020	7980	(15.5)

Note 1. Lifting capacity are based on 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 Lift-point is bucket pivot mounting pin on the arm (without bucket mass).

4. \*Indicates load limited by hydraulic capacity.

※ **Lifting capacities are based upon a standard machine conditions.**

**Lifting capacities will vary with different work tools, ground conditions and attachments.**

**The difference between the weight of a work tool attachment must be subtracted.**

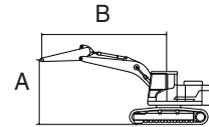
**Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.**

▲ **Failure to comply to the rated load can cause serious injury, death, or property damage. Make adjustments to the rated load as necessary for non-standard configurations.**

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX140A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2500	2400	600	-	-	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)								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
												
6.0 m (19.7 ft)	kg					*3670	*3670			*2180	*2180	5.42
	lb					*8090	*8090			*4810	*4810	(17.8)
4.5 m (14.8 ft)	kg					*3930	*3930	*3210	2790	*2020	*2020	6.39
	lb					*8660	*8660	*7080	6150	*4450	*4450	(21.0)
3.0 m (9.8 ft)	kg			*6610	*6610	*4820	4180	4060	2730	*2010	*2010	6.90
	lb			*14570	*14570	*10630	9220	8950	6020	*4430	*4430	(22.6)
1.5 m (4.9 ft)	kg			*7930	7120	*5900	3950	3960	2630	*2120	2080	7.06
	lb			*17480	15700	*13010	8710	8730	5800	*4670	4590	(23.2)
0.0 m (0.0 ft)	kg			*6750	*6750	5950	3790	3870	2560	*2380	2120	6.89
	lb			*14880	*14880	13120	8360	8530	5640	*5250	4670	(22.6)
-1.5 m (-4.9 ft)	kg	*4910	*4910	*9970	6820	5880	3730	3850	2530	*2910	2350	6.36
	lb	*10820	*10820	*21980	15040	12960	8220	8490	5580	*6420	5180	(20.9)
-3.0 m (-9.8 ft)	kg	*8760	*8760	*8640	6920	*5860	3780			*4220	3000	5.36
	lb	*19310	*19310	*19050	15260	*12920	8330			*9300	6610	(17.6)

Note 1. Lifting capacity are based on ISO 10567.

- 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.
- The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).
- \*Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

Lifting capacities will vary with different work tools, ground conditions and attachments.

The difference between the weight of a work tool attachment must be subtracted.

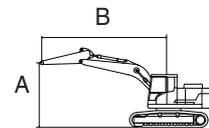
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.

▲ Failure to comply to the rated load can cause serious injury, death, or property damage. Make adjustments to the rated load as necessary for non-standard configurations.

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX140A L	MONO BOOM	4600	3000	2400	600	-	-	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)								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)
7.5 m (24.6 ft)	kg									*2440	*2440	4.34
	lb									*5380	*5380	(14.2)
6.0 m (19.7 ft)	kg									*2070	*2070	5.91
	lb									*4560	*4560	(19.4)
4.5 m (14.8 ft)	kg					*3420	*3420	*3220	2840	*1960	*1960	6.81
	lb					*7540	*7540	*7100	6260	*4320	*4320	(22.4)
3.0 m (9.8 ft)	kg			*5510	*5510	*4340	4250	*3830	2750	*1980	*1980	7.30
	lb			*12150	*12150	*9570	9370	*8440	6060	*4370	*4370	(23.9)
1.5 m (4.9 ft)	kg			*8570	7270	*5510	3990	3980	2640	*2100	1920	7.44
	lb			*18890	16030	*12150	8800	8770	5820	*4630	4230	(24.4)
0.0 m (0.0 ft)	kg			*7920	6850	5960	3790	3870	2550	*2360	1950	7.28
	lb			*17460	15100	13140	8360	8530	5620	*5200	4300	(23.9)
-1.5 m (-4.9 ft)	kg	*4680	*4680	*9710	6750	5850	3700	3820	2500	*2870	2130	6.78
	lb	*10320	*10320	*21410	14880	12900	8160	8420	5510	*6330	4700	(22.3)
-3.0 m (-9.8 ft)	kg	*7710	*7710	*9300	6810	5870	3710			3980	2610	5.86
	lb	*17000	*17000	*20500	15010	12940	8180			8770	5750	(19.2)
-4.5 m (-14.8 ft)	kg			*6670	*6670					*4510	4200	4.24
	lb			*14700	*14700					*9940	9260	(13.9)

Note 1. Lifting capacity are based on ISO 10567.

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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.

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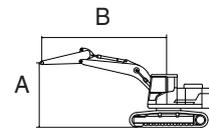
▲ Failure to comply to the rated load can cause serious injury, death, or property damage.

Make adjustments to the rated load as necessary for non-standard configurations.

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX140A L	2-PIECE BOOM	4939	2100	2400	600	-	-	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)						At max. reach			
	3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach	
									m (ft)	
7.5 m (24.6 ft)	kg						*4050	*4050	3.64	
	lb						*8930	*8930	(12.0)	
6.0 m (19.7 ft)	kg		*3480	*3480			*3600	3260	5.43	
	lb		*7670	*7670			*7940	7190	(17.8)	
4.5 m (14.8 ft)	kg		*3850	*3850	*3680	2780	*3310	2490	6.40	
	lb		*8490	*8490	*8110	6130	*7300	5490	(21.0)	
3.0 m (9.8 ft)	kg		*4800	4110	*3990	2700	3260	2170	6.91	
	lb		*10580	9060	*8800	5950	7190	4780	(22.7)	
1.5 m (4.9 ft)	kg		*5860	3850	3950	2590	3100	2050	7.07	
	lb		*12920	8490	8710	5710	6830	4520	(23.2)	
0.0 m (0.0 ft)	kg		5890	3700	3860	2520	3180	2090	6.90	
	lb		12990	8160	8510	5560	7010	4610	(22.6)	
-1.5 m (-4.9 ft)	kg	*7680	6740	5860	3670	3840	2500	3550	2320	6.37
	lb	*16930	14860	12920	8090	8470	5510	7830	5110	(20.9)
-3.0 m (-9.8 ft)	kg		*5890	3740						
	lb		*12990	8250						

Note 1. Lifting capacity are based on ISO 10567.

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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.

※ Lifting capacities are based upon a standard machine conditions.

Lifting capacities will vary with different work tools, ground conditions and attachments.

The difference between the weight of a work tool attachment must be subtracted.

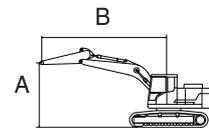
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.

▲ Failure to comply to the rated load can cause serious injury, death, or property damage. Make adjustments to the rated load as necessary for non-standard configurations.

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX140A L	2-PIECE BOOM	4939	2500	2400	600	-	-	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)						At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
										m (ft)
7.5 m (24.6 ft)	kg lb							*3060 *6750	*3060 *6750	4.39 (14.4)
6.0 m (19.7 ft)	kg lb			*3050 *6720	*3050 *6720			*2500 *5510	*2500 *5510	5.95 (19.5)
4.5 m (14.8 ft)	kg lb			*3460 *7630	*3460 *7630	*3360 *7410	2800 6170	*2310 *5090	2240 4940	6.85 (22.5)
3.0 m (9.8 ft)	kg lb			*4430 *9770	4150 9150	*3730 *8220	2710 5970	*2270 *5000	1970 4340	7.33 (24.0)
1.5 m (4.9 ft)	kg lb			*5550 *12240	3860 8510	3940 8690	2580 5690	*2350 *5180	1870 4120	7.48 (24.5)
0.0 m (0.0 ft)	kg lb	*3760 *8290	*3760 *8290	5870 12940	3680 8110	3840 8470	2490 5490	*2560 *5640	1900 4190	7.31 (24.0)
-1.5 m (-4.9 ft)	kg lb	*7010 *15450	6630 14620	5800 12790	3620 7980	3790 8360	2450 5400	*2980 *6570	2080 4590	6.82 (22.4)
-3.0 m (-9.8 ft)	kg lb	*9000 *19840	6740 14860	5850 12900	3660 8070			*3900 *8600	2570 5670	5.90 (19.4)

Note 1. Lifting capacity are based on ISO 10567.

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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.

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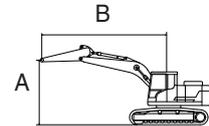
▲ Failure to comply to the rated load can cause serious injury, death, or property damage. Make adjustments to the rated load as necessary for non-standard configurations.

## 2) HX140A LD

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX140A LD	MONO BOOM	4600	2100	2100	600	-	Down	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)								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)	
6.0 m (19.7 ft)	kg					*3860	*3860			*3020	*3020	4.79
	lb					*8510	*8510			*6660	*6660	(15.7)
4.5 m (14.8 ft)	kg					*4350	*4350			*2830	*2830	5.87
	lb					*9590	*9590			*6240	*6240	(19.2)
3.0 m (9.8 ft)	kg			*7500	*7500	*5200	4510	*4400	2950	*2880	2660	6.42
	lb			*16530	*16530	*11460	9940	*9700	6500	*6350	5860	(21.1)
1.5 m (4.9 ft)	kg					*6190	4300	*4770	2870	*3120	2510	6.59
	lb					*13650	9480	*10520	6330	*6880	5530	(21.6)
0.0 m (0.0 ft)	kg			*6970	*6970	*6760	4160	*4990	2810	*3640	2570	6.41
	lb			*15370	*15370	*14900	9170	*11000	6190	*8020	5670	(21.0)
-1.5 m (-4.9 ft)	kg	*6030	*6030	*9760	7680	*6620	4130			*4770	2910	5.83
	lb	*13290	*13290	*21520	16930	*14590	9110			*10520	6420	(19.1)
-3.0 m (-9.8 ft)	kg			*7980	7820	*5380	4220			*5000	3950	4.72
	lb			*17590	17240	*11860	9300			*11020	8710	(15.5)

Note 1. Lifting capacity are based on ISO 10567.

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- The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).
- \*Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

Lifting capacities will vary with different work tools, ground conditions and attachments.

The difference between the weight of a work tool attachment must be subtracted.

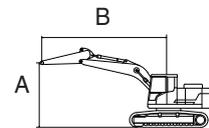
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.

▲ Failure to comply to the rated load can cause serious injury, death, or property damage. Make adjustments to the rated load as necessary for non-standard configurations.

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX140A LD	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2100	2100	600	-	Up	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)								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
												
6.0 m (19.7 ft)	kg lb					*3860 *8510	*3860 *8510			*3020 *6660	*3020 *6660	4.79 (15.7)
4.5 m (14.8 ft)	kg lb					*4350 *9590	4320 9520			*2830 *6240	*2830 *6240	5.87 (19.2)
3.0 m (9.8 ft)	kg lb			*7500 *16530	*7500 *16530	*5200 *11460	4130 9110	3840 8470	2710 5970	*2880 *6350	2440 5380	6.42 (21.1)
1.5 m (4.9 ft)	kg lb					5790 12760	3920 8640	3750 8270	2630 5800	*3120 *6880	2300 5070	6.59 (21.6)
0.0 m (0.0 ft)	kg lb			*6970 *15370	6830 15060	5640 12430	3790 8360	3690 8140	2570 5670	3360 7410	2350 5180	6.41 (21.0)
-1.5 m (-4.9 ft)	kg lb	*6030 *13290	*6030 *13290	*9760 *21520	6860 15120	5610 12370	3760 8290			3840 8470	2660 5860	5.83 (19.1)
-3.0 m (-9.8 ft)	kg lb			*7980 *17590	7000 15430	*5380 *11860	3840 8470			*5000 *11020	3600 7940	4.72 (15.5)

Note 1. Lifting capacity are based on ISO 10567.

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Lifting capacities will vary with different work tools, ground conditions and attachments.

The difference between the weight of a work tool attachment must be subtracted.

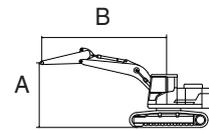
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.

▲ **Failure to comply to the rated load can cause serious injury, death, or property damage. Make adjustments to the rated load as necessary for non-standard configurations.**

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX140A LD	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2500	2100	600	-	Down	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)								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)	
6.0 m (19.7 ft)	kg					*3670	*3670			*2180	*2180	5.42
	lb					*8090	*8090			*4810	*4810	(17.8)
4.5 m (14.8 ft)	kg					*3930	*3930	*3210	3020	*2020	*2020	6.39
	lb					*8660	*8660	*7080	6660	*4450	*4450	(21.0)
3.0 m (9.8 ft)	kg			*6610	*6610	*4820	4550	*4140	2960	*2010	*2010	6.90
	lb			*14570	*14570	*10630	10030	*9130	6530	*4430	*4430	(22.6)
1.5 m (4.9 ft)	kg			*7930	7920	*5900	4320	*4590	2860	*2120	*2120	7.06
	lb			*17480	17460	*13010	9520	*10120	6310	*4670	*4670	(23.2)
0.0 m (0.0 ft)	kg			*6750	*6750	*6630	4150	*4920	2780	*2380	2300	6.89
	lb			*14880	*14880	*14620	9150	*10850	6130	*5250	5070	(22.6)
-1.5 m (-4.9 ft)	kg	*4910	*4910	*9970	7610	*6700	4090	*4830	2760	*2910	2560	6.36
	lb	*10820	*10820	*21980	16780	*14770	9020	*10650	6080	*6420	5640	(20.9)
-3.0 m (-9.8 ft)	kg	*8760	*8760	*8640	7720	*5860	4140			*4220	3270	5.36
	lb	*19310	*19310	*19050	17020	*12920	9130			*9300	7210	(17.6)

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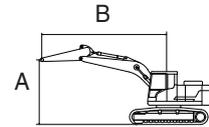
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX140A LD	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2500	2100	600	-	Up	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)								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
												
6.0 m (19.7 ft)	kg lb					*3670 *8090	*3670 *8090			*2180 *4810	*2180 *4810	5.42 (17.8)
4.5 m (14.8 ft)	kg lb					*3930 *8660	*3930 *8660	*3210 *7080	2780 6130	*2020 *4450	*2020 *4450	6.39 (21.0)
3.0 m (9.8 ft)	kg lb			*6610 *14570	*6610 *14570	*4820 *10630	4170 9190	3850 8490	2720 6000	*2010 *4430	*2010 *4430	6.90 (22.6)
1.5 m (4.9 ft)	kg lb			*7930 *17480	7090 15630	5820 12830	3940 8690	3750 8270	2620 5780	*2120 *4670	2070 4560	7.06 (23.2)
0.0 m (0.0 ft)	kg lb			*6750 *14880	*6750 *14880	5630 12410	3770 8310	3670 8090	2550 5620	*2380 *5250	2110 4650	6.89 (22.6)
-1.5 m (-4.9 ft)	kg lb	*4910 *10820	*4910 *10820	*9970 *21980	6790 14970	5570 12280	3720 8200	3640 8020	2520 5560	*2910 *6420	2340 5160	6.36 (20.9)
-3.0 m (-9.8 ft)	kg lb	*8760 *19310	*8760 *19310	*8640 *19050	6900 15210	5620 12390	3760 8290			*4220 *9300	2990 6590	5.36 (17.6)

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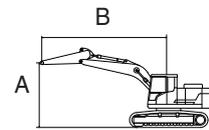
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX140A LD	MONO BOOM	4600	3000	2100	600	-	Down	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)								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)	
7.5 m (24.6 ft)	kg									*2440	*2440	4.34
	lb									*5380	*5380	(14.2)
6.0 m (19.7 ft)	kg									*2070	*2070	5.91
	lb									*4560	*4560	(19.4)
4.5 m (14.8 ft)	kg					*3420	*3420	*3220	3070	*1960	*1960	6.81
	lb					*7540	*7540	*7100	6770	*4320	*4320	(22.4)
3.0 m (9.8 ft)	kg			*5510	*5510	*4340	*4340	*3830	2990	*1980	*1980	7.30
	lb			*12150	*12150	*9570	*9570	*8440	6590	*4370	*4370	(23.9)
1.5 m (4.9 ft)	kg			*8570	8090	*5510	4360	*4350	2880	*2100	2090	7.44
	lb			*18890	17840	*12150	9610	*9590	6350	*4630	4610	(24.4)
0.0 m (0.0 ft)	kg			*7920	7650	*6410	4160	*4790	2780	*2360	2120	7.28
	lb			*17460	16870	*14130	9170	*10560	6130	*5200	4670	(23.9)
-1.5 m (-4.9 ft)	kg	*4680	*4680	*9710	7540	*6710	4060	*4900	2730	*2870	2320	6.78
	lb	*10320	*10320	*21410	16620	*14790	8950	*10800	6020	*6330	5110	(22.3)
-3.0 m (-9.8 ft)	kg	*7710	*7710	*9300	7610	*6230	4070			*4050	2850	5.86
	lb	*17000	*17000	*20500	16780	*13730	8970			*8930	6280	(19.2)
-4.5 m (-14.8 ft)	kg			*6670	*6670					*4510	*4510	4.24
	lb			*14700	*14700					*9940	*9940	(13.9)

Note 1. Lifting capacity are based on 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 Lift-point is bucket pivot mounting pin on the arm (without bucket mass).

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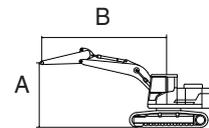
▲ Failure to comply to the rated load can cause serious injury, death, or property damage.

Make adjustments to the rated load as necessary for non-standard configurations.

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX140A LD	MONO BOOM	4600	3000	2100	600	-	Up	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)								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)	
7.5 m (24.6 ft)	kg									*2440	*2440	4.34
	lb									*5380	*5380	(14.2)
6.0 m (19.7 ft)	kg									*2070	*2070	5.91
	lb									*4560	*4560	(19.4)
4.5 m (14.8 ft)	kg					*3420	*3420	*3220	2830	*1960	*1960	6.81
	lb					*7540	*7540	*7100	6240	*4320	*4320	(22.4)
3.0 m (9.8 ft)	kg			*5510	*5510	*4340	4230	*3830	2750	*1980	*1980	7.30
	lb			*12150	*12150	*9570	9330	*8440	6060	*4370	*4370	(23.9)
1.5 m (4.9 ft)	kg			*8570	7250	*5510	3980	3770	2640	*2100	1910	7.44
	lb			*18890	15980	*12150	8770	8310	5820	*4630	4210	(24.4)
0.0 m (0.0 ft)	kg			*7920	6830	5650	3780	3660	2540	*2360	1940	7.28
	lb			*17460	15060	12460	8330	8070	5600	*5200	4280	(23.9)
-1.5 m (-4.9 ft)	kg	*4680	*4680	*9710	6730	5540	3690	3610	2490	*2870	2120	6.78
	lb	*10320	*10320	*21410	14840	12210	8140	7960	5490	*6330	4670	(22.3)
-3.0 m (-9.8 ft)	kg	*7710	*7710	*9300	6790	5550	3700			3770	2600	5.86
	lb	*17000	*17000	*20500	14970	12240	8160			8310	5730	(19.2)
-4.5 m (-14.8 ft)	kg			*6670	*6670					*4510	4190	4.24
	lb			*14700	*14700					*9940	9240	(13.9)

Note 1. Lifting capacity are based on ISO 10567.

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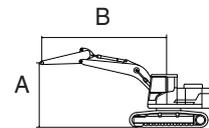
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Make adjustments to the rated load as necessary for non-standard configurations.

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX140A LD	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2100	2400	600	-	Down	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)								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)	
6.0 m (19.7 ft)	kg					*3860	*3860			*3020	*3020	4.79
	lb					*8510	*8510			*6660	*6660	(15.7)
4.5 m (14.8 ft)	kg					*4350	*4350			*2830	*2830	5.87
	lb					*9590	*9590			*6240	*6240	(19.2)
3.0 m (9.8 ft)	kg		*7500	*7500	*5200	4730	*4400	3100	*2880	2800	6.42	
	lb		*16530	*16530	*11460	10430	*9700	6830	*6350	6170	(21.1)	
1.5 m (4.9 ft)	kg				*6190	4520	*4770	3020	*3120	2640	6.59	
	lb				*13650	9960	*10520	6660	*6880	5820	(21.6)	
0.0 m (0.0 ft)	kg		*6970	*6970	*6760	4380	*4990	2960	*3640	2710	6.41	
	lb		*15370	*15370	*14900	9660	*11000	6530	*8020	5970	(21.0)	
-1.5 m (-4.9 ft)	kg	*6030	*6030	*9760	8070	*6620	4350		*4770	3070	5.83	
	lb	*13290	*13290	*21520	17790	*14590	9590		*10520	6770	(19.1)	
-3.0 m (-9.8 ft)	kg		*7980	*7980	*5380	4430			*5000	4160	4.72	
	lb		*17590	*17590	*11860	9770			*11020	9170	(15.5)	

Note 1. Lifting capacity are based on ISO 10567.

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**Lifting capacities will vary with different work tools, ground conditions and attachments.**

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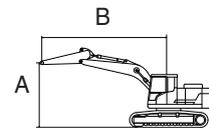
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX140A LD	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2100	2400	600	-	Up	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)								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)	
6.0 m (19.7 ft)	kg					*3860	*3860			*3020	*3020	4.79
	lb					*8510	*8510			*6660	*6660	(15.7)
4.5 m (14.8 ft)	kg					*4350	*4350			*2830	*2830	5.87
	lb					*9590	*9590			*6240	*6240	(19.2)
3.0 m (9.8 ft)	kg		*7500	*7500	*5200	4340	4020	2850		*2880	2570	6.42
	lb		*16530	*16530	*11460	9570	8860	6280		*6350	5670	(21.1)
1.5 m (4.9 ft)	kg				6060	4130	3930	2770		*3120	2430	6.59
	lb				13360	9110	8660	6110		*6880	5360	(21.6)
0.0 m (0.0 ft)	kg		*6970	*6970	5910	3990	3870	2710		3530	2490	6.41
	lb		*15370	*15370	13030	8800	8530	5970		7780	5490	(21.0)
-1.5 m (-4.9 ft)	kg	*6030	*6030	*9760	7230	5880	3960			4020	2810	5.83
	lb	*13290	*13290	*21520	15940	12960	8730			8860	6190	(19.1)
-3.0 m (-9.8 ft)	kg		*7980	7360	*5380	4050				*5000	3800	4.72
	lb		*17590	16230	*11860	8930				*11020	8380	(15.5)

Note 1. Lifting capacity are based on ISO 10567.

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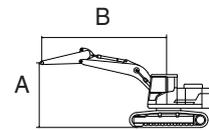
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▲ Failure to comply to the rated load can cause serious injury, death, or property damage. Make adjustments to the rated load as necessary for non-standard configurations.

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX140A LD	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2500	2400	600	-	Down	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)								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
												
6.0 m (19.7 ft)	kg lb					*3670 *8090	*3670 *8090			*2180 *4810	*2180 *4810	5.42 (17.8)
4.5 m (14.8 ft)	kg lb					*3930 *8660	*3930 *8660	*3210 *7080	3170 6990	*2020 *4450	*2020 *4450	6.39 (21.0)
3.0 m (9.8 ft)	kg lb			*6610 *14570	*6610 *14570	*4820 *10630	4770 10520	*4140 *9130	3110 6860	*2010 *4430	*2010 *4430	6.90 (22.6)
1.5 m (4.9 ft)	kg lb			*7930 *17480	*7930 *17480	*5900 *13010	4530 9990	*4590 *10120	3010 6640	*2120 *4670	*2120 *4670	7.06 (23.2)
0.0 m (0.0 ft)	kg lb			*6750 *14880	*6750 *14880	*6630 *14620	4370 9630	*4920 *10850	2930 6460	*2380 *5250	*2380 *5250	6.89 (22.6)
-1.5 m (-4.9 ft)	kg lb	*4910 *10820	*4910 *10820	*9970 *21980	8000 17640	*6700 *14770	4310 9500	*4830 *10650	2910 6420	*2910 *6420	2700 5950	6.36 (20.9)
-3.0 m (-9.8 ft)	kg lb	*8760 *19310	*8760 *19310	*8640 *19050	8110 17880	*5860 *12920	4360 9610			*4220 *9300	3440 7580	5.36 (17.6)

Note 1. Lifting capacity are based on ISO 10567.

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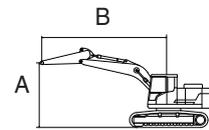
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX140A LD	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2500	2400	600	-	Up	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)								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
												
6.0 m (19.7 ft)	kg lb					*3670 *8090	*3670 *8090			*2180 *4810	*2180 *4810	5.42 (17.8)
4.5 m (14.8 ft)	kg lb					*3930 *8660	*3930 *8660	*3210 *7080	2920 6440	*2020 *4450	*2020 *4450	6.39 (21.0)
3.0 m (9.8 ft)	kg lb			*6610 *14570	*6610 *14570	*4820 *10630	4370 9630	4030 8880	2860 6310	*2010 *4430	*2010 *4430	6.90 (22.6)
1.5 m (4.9 ft)	kg lb			*7930 *17480	7460 16450	*5900 *13010	4140 9130	3930 8660	2770 6110	*2120 *4670	*2120 *4670	7.06 (23.2)
0.0 m (0.0 ft)	kg lb			*6750 *14880	*6750 *14880	5900 13010	3980 8770	3850 8490	2690 5930	*2380 *5250	2230 4920	6.89 (22.6)
-1.5 m (-4.9 ft)	kg lb	*4910 *10820	*4910 *10820	*9970 *21980	7160 15790	5840 12870	3920 8640	3820 8420	2670 5890	*2910 *6420	2480 5470	6.36 (20.9)
-3.0 m (-9.8 ft)	kg lb	*8760 *19310	*8760 *19310	*8640 *19050	7270 16030	*5860 *12920	3970 8750			*4220 *9300	3150 6940	5.36 (17.6)

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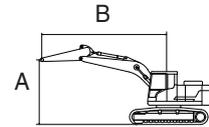
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX140A LD	MONO BOOM	4600	3000	2400	600	-	Down	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)								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)
7.5 m (24.6 ft)	kg lb									*2440 *5380	*2440 *5380	4.34 (14.2)
6.0 m (19.7 ft)	kg lb									*2070 *4560	*2070 *4560	5.91 (19.4)
4.5 m (14.8 ft)	kg lb					*3420 *7540	*3420 *7540	*3220 *7100	3220 7100	*1960 *4320	*1960 *4320	6.81 (22.4)
3.0 m (9.8 ft)	kg lb			*5510 *12150	*5510 *12150	*4340 *9570	*4340 *9570	*3830 *8440	3140 6920	*1980 *4370	*1980 *4370	7.30 (23.9)
1.5 m (4.9 ft)	kg lb			*8570 *18890	8480 18700	*5510 *12150	4580 10100	*4350 *9590	3030 6680	*2100 *4630	*2100 *4630	7.44 (24.4)
0.0 m (0.0 ft)	kg lb			*7920 *17460	*7920 *17460	*6410 *14130	4370 9630	*4790 *10560	2930 6460	*2360 *5200	2240 4940	7.28 (23.9)
-1.5 m (-4.9 ft)	kg lb	*4680 *10320	*4680 *10320	*9710 *21410	7940 17500	*6710 *14790	4280 9440	*4900 *10800	2880 6350	*2870 *6330	2450 5400	6.78 (22.3)
-3.0 m (-9.8 ft)	kg lb	*7710 *17000	*7710 *17000	*9300 *20500	8000 17640	*6230 *13730	4290 9460			*4050 *8930	3000 6610	5.86 (19.2)
-4.5 m (-14.8 ft)	kg lb			*6670 *14700	*6670 *14700					*4510 *9940	*4510 *9940	4.24 (13.9)

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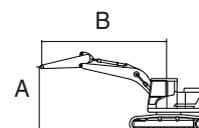
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX140A LD	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	3000	2400	600	-	Up	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)								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)	
7.5 m (24.6 ft)	kg									*2440	*2440	4.34
	lb									*5380	*5380	(14.2)
6.0 m (19.7 ft)	kg									*2070	*2070	5.91
	lb									*4560	*4560	(19.4)
4.5 m (14.8 ft)	kg					*3420	*3420	*3220	2970	*1960	*1960	6.81
	lb					*7540	*7540	*7100	6550	*4320	*4320	(22.4)
3.0 m (9.8 ft)	kg			*5510	*5510	*4340	*4340	*3830	2890	*1980	*1980	7.30
	lb			*12150	*12150	*9570	*9570	*8440	6370	*4370	*4370	(23.9)
1.5 m (4.9 ft)	kg			*8570	7620	*5510	4190	3950	2780	*2100	2030	7.44
	lb			*18890	16800	*12150	9240	8710	6130	*4630	4480	(24.4)
0.0 m (0.0 ft)	kg			*7920	7200	5920	3990	3840	2680	*2360	2050	7.28
	lb			*17460	15870	13050	8800	8470	5910	*5200	4520	(23.9)
-1.5 m (-4.9 ft)	kg	*4680	*4680	*9710	7090	5810	3900	3790	2640	*2870	2250	6.78
	lb	*10320	*10320	*21410	15630	12810	8600	8360	5820	*6330	4960	(22.3)
-3.0 m (-9.8 ft)	kg	*7710	*7710	*9300	7160	5820	3910			3950	2750	5.86
	lb	*17000	*17000	*20500	15790	12830	8620			8710	6060	(19.2)
-4.5 m (-14.8 ft)	kg			*6670	*6670					*4510	4410	4.24
	lb			*14700	*14700					*9940	9720	(13.9)

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The difference between the weight of a work tool attachment must be subtracted.

Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.

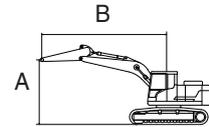
▲ Failure to comply to the rated load can cause serious injury, death, or property damage.

Make adjustments to the rated load as necessary for non-standard configurations.

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX140A LD	2-PIECE BOOM	4939	2100	2400	600	-	Down	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)						At max. reach			
	3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach	
									m (ft)	
7.5 m (24.6 ft)	kg							*4050	*4050	3.64
	lb							*8930	*8930	(12.0)
6.0 m (19.7 ft)	kg		*3480	*3480				*3600	*3600	5.43
	lb		*7670	*7670				*7940	*7940	(17.8)
4.5 m (14.8 ft)	kg		*3850	*3850	*3680	3170	*3310	2840		6.40
	lb		*8490	*8490	*8110	6990	*7300	6260		(21.0)
3.0 m (9.8 ft)	kg		*4800	4700	*3990	3090	*3280	2480		6.91
	lb		*10580	10360	*8800	6810	*7230	5470		(22.7)
1.5 m (4.9 ft)	kg		*5860	4440	*4450	2980	*3420	2360		7.07
	lb		*12920	9790	*9810	6570	*7540	5200		(23.2)
0.0 m (0.0 ft)	kg		*6510	4290	*4800	2900	*3780	2410		6.90
	lb		*14350	9460	*10580	6390	*8330	5310		(22.6)
-1.5 m (-4.9 ft)	kg	*7680	*7680	*6570	4250	*4790	2880	*4410	2680	6.37
	lb	*16930	*16930	*14480	9370	*10560	6350	*9720	5910	(20.9)
-3.0 m (-9.6 ft)	kg		*5890	4330						
	lb		*12990	9550						

Note 1. Lifting capacity are based on 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 Lift-point is bucket pivot mounting pin on the arm (without bucket mass).

4. \*Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

Lifting capacities will vary with different work tools, ground conditions and attachments.

The difference between the weight of a work tool attachment must be subtracted.

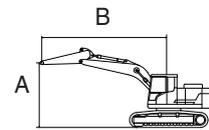
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.

▲ Failure to comply to the rated load can cause serious injury, death, or property damage. Make adjustments to the rated load as necessary for non-standard configurations.

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX140A LD	2-PIECE BOOM	4939	2100	2400	600	-	Up	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)						At max. reach			
	3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach	
									m (ft)	
7.5 m (24.6 ft)	kg							*4050	*4050	3.64
	lb							*8930	*8930	(12.0)
6.0 m (19.7 ft)	kg		*3480	*3480				*3600	3410	5.43
	lb		*7670	*7670				*7940	7520	(17.8)
4.5 m (14.8 ft)	kg		*3850	*3850	*3680	2920	*3310	2620		6.40
	lb		*8490	*8490	*8110	6440	*7300	5780		(21.0)
3.0 m (9.8 ft)	kg		*4800	4300	*3990	2830	3230	2280		6.91
	lb		*10580	9480	*8800	6240	7120	5030		(22.7)
1.5 m (4.9 ft)	kg		*5860	4050	3920	2730	3080	2160		7.07
	lb		*12920	8930	8640	6020	6790	4760		(23.2)
0.0 m (0.0 ft)	kg		5850	3900	3830	2650	3150	2200		6.90
	lb		12900	8600	8440	5840	6940	4850		(22.6)
-1.5 m (-4.9 ft)	kg	*7680	7080	5810	3860	3820	2630	3520	2450	6.37
	lb	*16930	15610	12810	8510	8420	5800	7760	5400	(20.9)
-3.0 m (-9.6 ft)	kg		*5890	3930						
	lb		*12990	8660						

Note 1. Lifting capacity are based on ISO 10567.

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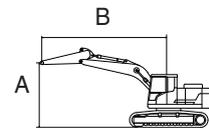
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX140A LD	2-PIECE BOOM	4939	2500	2400	600	-	Down	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)						At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
										m (ft)
7.5 m (24.6 ft)	kg lb							*3060 *6750	*3060 *6750	4.39 (14.4)
6.0 m (19.7 ft)	kg lb			*3050 *6720	*3050 *6720			*2500 *5510	*2500 *5510	5.95 (19.5)
4.5 m (14.8 ft)	kg lb			*3460 *7630	*3460 *7630	*3360 *7410	3190 7030	*2310 *5090	*2310 *5090	6.85 (22.5)
3.0 m (9.8 ft)	kg lb			*4430 *9770	*4430 *9770	*3730 *8220	3090 6810	*2270 *5000	2260 4980	7.33 (24.0)
1.5 m (4.9 ft)	kg lb			*5550 *12240	4450 9810	*4250 *9370	2970 6550	*2350 *5180	2160 4760	7.48 (24.5)
0.0 m (0.0 ft)	kg lb	*3760 *8290	*3760 *8290	*6330 *13960	4270 9410	*4670 *10300	2870 6330	*2560 *5640	2190 4830	7.31 (24.0)
-1.5 m (-4.9 ft)	kg lb	*7010 *15450	*7010 *15450	*6560 *14460	4200 9260	*4800 *10580	2830 6240	*2980 *6570	2410 5310	6.82 (22.4)
-3.0 m (-9.6 ft)	kg lb	*9000 *19840	7940 17500	*6130 *13510	4250 9370			*3900 *8600	2960 6530	5.90 (19.4)

Note 1. Lifting capacity are based on ISO 10567.

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3. The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).

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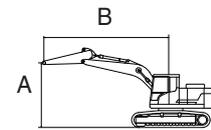
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.

▲ Failure to comply to the rated load can cause serious injury, death, or property damage. Make adjustments to the rated load as necessary for non-standard configurations.

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX140A LD	2-PIECE BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4939	2500	2400	600	-	Up	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)						At max. reach			
	3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach	
									m (ft)	
7.5 m (24.6 ft)	kg							*3060	*3060	4.39
	lb							*6750	*6750	(14.4)
6.0 m (19.7 ft)	kg			*3050	*3050			*2500	*2500	5.95
	lb			*6720	*6720			*5510	*5510	(19.5)
4.5 m (14.8 ft)	kg			*3460	*3460	*3360	2940	*2310	*2310	6.85
	lb			*7630	*7630	*7410	6480	*5090	*5090	(22.5)
3.0 m (9.8 ft)	kg			*4430	4340	*3730	2840	*2270	2080	7.33
	lb			*9770	9570	*8220	6260	*5000	4590	(24.0)
1.5 m (4.9 ft)	kg			*5550	4060	3910	2720	*2350	1970	7.48
	lb			*12240	8950	8620	6000	*5180	4340	(24.5)
0.0 m (0.0 ft)	kg	*3760	*3760	5830	3870	3810	2620	*2560	2000	7.31
	lb	*8290	*8290	12850	8530	8400	5780	*5640	4410	(24.0)
-1.5 m (-4.9 ft)	kg	*7010	6970	5760	3810	3770	2590	*2980	2200	6.82
	lb	*15450	15370	12700	8400	8310	5710	*6570	4850	(22.4)
-3.0 m (-9.6 ft)	kg	*9000	7090	5810	3850			*3900	2710	5.90
	lb	*19840	15630	12810	8490			*8600	5970	(19.4)

Note 1. Lifting capacity are based on 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 Lift-point is bucket pivot mounting pin on the arm (without bucket mass).

4. \*Indicates load limited by hydraulic capacity.

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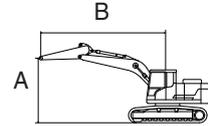
▲ Failure to comply to the rated load can cause serious injury, death, or property damage. Make adjustments to the rated load as necessary for non-standard configurations.

### 3) HX140A HW, 700 mm SHOE

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX140A HW	MONO BOOM	4600	2100	2100	700	-	-	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)								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)
6.0 m (19.7 ft)	kg				*4130	*4130			*2950	*2950	5.04
	lb				*9110	*9110			*6500	*6500	(16.5)
4.5 m (14.8 ft)	kg				*4470	*4470	*2830	*2830	*2820	*2820	6.00
	lb				*9850	*9850	*6240	*6240	*6220	*6220	(19.7)
3.0 m (9.8 ft)	kg		*8080	*8080	*5390	4660	*4460	3080	*2900	2750	6.48
	lb		*17810	*17810	*11880	10270	*9830	6790	*6390	6060	(21.3)
1.5 m (4.9 ft)	kg				*6340	4460	4470	3000	*3190	2640	6.58
	lb				*13980	9830	9850	6610	*7030	5820	(21.6)
0.0 m (0.0 ft)	kg		*7630	*7630	6730	4340	4410	2950	*3780	2750	6.33
	lb		*16820	*16820	14840	9570	9720	6500	*8330	6060	(20.8)
-1.5 m (-4.9 ft)	kg	*6850	*6850	*9530	7960	*6500	4330		4780	3180	5.67
	lb	*15100	*15100	*21010	17550	*14330	9550		10540	7010	(18.6)
-3.0 m (-9.8 ft)	kg		*7450	*7450					*4980	4540	4.43
	lb		*16420	*16420					*10980	10010	(14.5)

Note 1. Lifting capacity are based on 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 Lift-point is bucket pivot mounting pin on the arm (without bucket mass).

4. \*Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

Lifting capacities will vary with different work tools, ground conditions and attachments.

The difference between the weight of a work tool attachment must be subtracted.

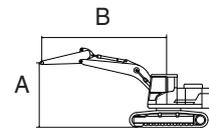
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▲ Failure to comply to the rated load can cause serious injury, death, or property damage. Make adjustments to the rated load as necessary for non-standard configurations.

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX140A HW	MONO BOOM	4600	2500	2100	700	-	-	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)								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)	
7.5 m (24.6 ft)	kg									*2580	*2580	4.06
	lb									*5690	*5690	(13.3)
6.0 m (19.7 ft)	kg				*3660	*3660				*2130	*2130	5.64
	lb				*8070	*8070				*4700	*4700	(18.5)
4.5 m (14.8 ft)	kg				*4060	*4060	*3460	3160		*2010	*2010	6.51
	lb				*8950	*8950	*7630	6970		*4430	*4430	(21.4)
3.0 m (9.8 ft)	kg			*7180	*7180	*5020	4700	*4220	3090	*2020	*2020	6.96
	lb			*15830	*15830	*11070	10360	*9300	6810	*4450	*4450	(22.8)
1.5 m (4.9 ft)	kg			*6940	*6940	*6080	4470	4460	2990	*2150	*2150	7.05
	lb			*15300	*15300	*13400	9850	9830	6590	*4740	*4740	(23.1)
0.0 m (0.0 ft)	kg			*7140	*7140	*6690	4330	4390	2920	*2450	*2450	6.82
	lb			*15740	*15740	*14750	9550	9680	6440	*5400	*5400	(22.4)
-1.5 m (-4.9 ft)	kg	*5530	*5530	*9910	7890	*6620	4290	4380	2910	*3060	2790	6.22
	lb	*12190	*12190	*21850	17390	*14590	9460	9660	6420	*6750	6150	(20.4)
-3.0 m (-9.8 ft)	kg			*8220	8020	*5530	4360			*4540	3680	5.11
	lb			*18120	17680	*12190	9610			*10010	8110	(16.8)
-4.5 m (-14.8 ft)	kg			*6970	*6970					*4530	*4530	4.29
	lb			*15370	*15370					*9990	*9990	(14.1)

Note 1. Lifting capacity are based on ISO 10567.

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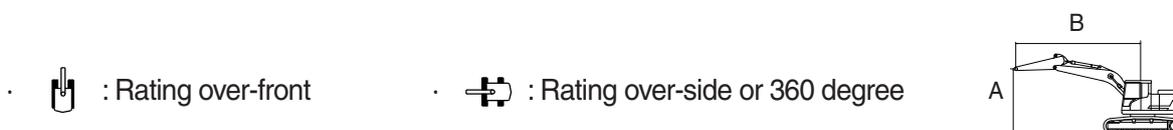
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Make adjustments to the rated load as necessary for non-standard configurations.

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX140A HW	MONO BOOM	4600	3000	2100	700	-	-	-	-	-



Lift-point height (A)	Lift-point radius (B)								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)	
7.5 m (24.6 ft)	kg					*2690	*2690			*2330	*2330	4.70
	lb					*5930	*5930			*5140	*5140	(15.4)
6.0 m (19.7 ft)	kg							*2310	*2310	*2030	*2030	6.12
	lb							*5090	*5090	*4480	*4480	(20.1)
4.5 m (14.8 ft)	kg					*3550	*3550	*3360	3200	*1950	*1950	6.93
	lb					*7830	*7830	*7410	7050	*4300	*4300	(22.7)
3.0 m (9.8 ft)	kg			*6080	*6080	*4550	*4550	*3920	3110	*1990	*1990	7.35
	lb			*13400	*13400	*10030	*10030	*8640	6860	*4390	*4390	(24.1)
1.5 m (4.9 ft)	kg			*9020	8230	*5710	4510	*4440	3000	*2140	*2140	7.44
	lb			*19890	18140	*12590	9940	*9790	6610	*4720	*4720	(24.4)
0.0 m (0.0 ft)	kg			*8000	7880	*6520	4320	4380	2910	*2430	2260	7.22
	lb			*17640	17370	*14370	9520	9660	6420	*5360	4980	(23.7)
-1.5 m (-4.9 ft)	kg	*5170	*5170	*10210	7810	6640	4250	4340	2870	*3010	2520	6.65
	lb	*11400	*11400	*22510	17220	14640	9370	9570	6330	*6640	5560	(21.8)
-3.0 m (-9.8 ft)	kg	*8400	*8400	*8970	7900	*6030	4280			*4450	3170	5.63
	lb	*18520	*18520	*19780	17420	*13290	9440			*9810	6990	(18.5)

Note 1. Lifting capacity are based on ISO 10567.

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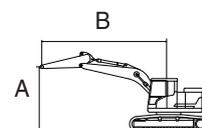
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Make adjustments to the rated load as necessary for non-standard configurations.

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX140A HW	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2100	2400	700	-	-	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)								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)	
6.0 m (19.7 ft)	kg					*4130	*4130			*2950	*2950	5.04
	lb					*9110	*9110			*6500	*6500	(16.5)
4.5 m (14.8 ft)	kg					*4470	*4470	*2830	*2830	*2820	*2820	6.00
	lb					*9850	*9850	*6240	*6240	*6220	*6220	(19.7)
3.0 m (9.8 ft)	kg		*8080	*8080	*5390	4880	*4460	3230	*2900	2880		6.48
	lb		*17810	*17810	*11880	10760	*9830	7120	*6390	6350		(21.3)
1.5 m (4.9 ft)	kg				*6340	4670	4650	3150	*3190	2770		6.58
	lb				*13980	10300	10250	6940	*7030	6110		(21.6)
0.0 m (0.0 ft)	kg		*7630	*7630	*6790	4550	4590	3090	*3780	2880		6.33
	lb		*16820	*16820	*14970	10030	10120	6810	*8330	6350		(20.8)
-1.5 m (-4.9 ft)	kg	*6850	*6850	*9530	8340	*6500	4540			*4900	3340	5.67
	lb	*15100	*15100	*21010	18390	*14330	10010			*10800	7360	(18.6)
-3.0 m (-9.8 ft)	kg		*7450	*7450						*4980	4760	4.43
	lb		*16420	*16420						*10980	10490	(14.5)

Note 1. Lifting capacity are based on ISO 10567.

- 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.
- The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).
- \*Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

Lifting capacities will vary with different work tools, ground conditions and attachments.

The difference between the weight of a work tool attachment must be subtracted.

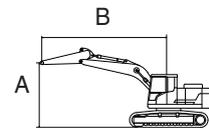
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.

▲ Failure to comply to the rated load can cause serious injury, death, or property damage. Make adjustments to the rated load as necessary for non-standard configurations.

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX140A HW	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2500	2400	700	-	-	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)								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)	
7.5 m (24.6 ft)	kg									*2580	*2580	4.06
	lb									*5690	*5690	(13.3)
6.0 m (19.7 ft)	kg				*3660	*3660				*2130	*2130	5.64
	lb				*8070	*8070				*4700	*4700	(18.5)
4.5 m (14.8 ft)	kg				*4060	*4060	*3460	3310	*2010	*2010	6.51	
	lb				*8950	*8950	*7630	7300	*4430	*4430	(21.4)	
3.0 m (9.8 ft)	kg		*7180	*7180	*5020	4910	*4220	3230	*2020	*2020	6.96	
	lb		*15830	*15830	*11070	10820	*9300	7120	*4450	*4450	(22.8)	
1.5 m (4.9 ft)	kg		*6940	*6940	*6080	4680	4640	3140	*2150	*2150	7.05	
	lb		*15300	*15300	*13400	10320	10230	6920	*4740	*4740	(23.1)	
0.0 m (0.0 ft)	kg		*7140	*7140	*6690	4540	4570	3070	*2450	*2450	6.82	
	lb		*15740	*15740	*14750	10010	10080	6770	*5400	*5400	(22.4)	
-1.5 m (-4.9 ft)	kg	*5530	*5530	*9910	8270	*6620	4500	4560	3060	*3060	2930	6.22
	lb	*12190	*12190	*21850	18230	*14590	9920	10050	6750	*6750	6460	(20.4)
-3.0 m (-9.8 ft)	kg		*8220	*8220	*5530	4570				*4540	3860	5.11
	lb		*18120	*18120	*12190	10080				*10010	8510	(16.8)

Note 1. Lifting capacity are based on 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 Lift-point is bucket pivot mounting pin on the arm (without bucket mass).

4. \*Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

Lifting capacities will vary with different work tools, ground conditions and attachments.

The difference between the weight of a work tool attachment must be subtracted.

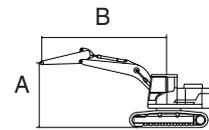
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.

▲ Failure to comply to the rated load can cause serious injury, death, or property damage. Make adjustments to the rated load as necessary for non-standard configurations.

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX140A HW	MONO BOOM	4600	3000	2400	700	-	-	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)								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
												
7.5 m (24.6 ft)	kg lb					*2690 *5930	*2690 *5930			*2330 *5140	*2330 *5140	4.70 (15.4)
6.0 m (19.7 ft)	kg lb							*2310 *5090	*2310 *5090	*2030 *4480	*2030 *4480	6.12 (20.1)
4.5 m (14.8 ft)	kg lb					*3550 *7830	*3550 *7830	*3360 *7410	3350 7390	*1950 *4300	*1950 *4300	6.93 (22.7)
3.0 m (9.8 ft)	kg lb			*6080 *13400	*6080 *13400	*4550 *10030	*4550 *10030	*3920 *8640	3260 7190	*1990 *4390	*1990 *4390	7.35 (24.1)
1.5 m (4.9 ft)	kg lb			*9020 *19890	8610 18980	*5710 *12590	4720 10410	*4440 *9790	3150 6940	*2140 *4720	*2140 *4720	7.44 (24.4)
0.0 m (0.0 ft)	kg lb			*8000 *17640	*8000 *17640	*6520 *14370	4540 10010	4560 10050	3060 6750	*2430 *5360	2380 5250	7.22 (23.7)
-1.5 m (-4.9 ft)	kg lb	*5170 *11400	*5170 *11400	*10210 *22510	8190 18060	*6690 *14750	4460 9830	4520 9960	3020 6660	*3010 *6640	2650 5840	6.65 (21.8)
-3.0 m (-9.8 ft)	kg lb	*8400 *18520	*8400 *18520	*8970 *19780	8280 18250	*6030 *13290	4490 9900			*4450 *9810	3330 7340	5.63 (18.5)
-4.5 m (-14.8 ft)	kg lb			*6970 *15370	*6970 *15370					*4530 *9990	*4530 *9990	4.29 (14.1)

Note 1. Lifting capacity are based on 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 Lift-point is bucket pivot mounting pin on the arm (without bucket mass).

4. \*Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

Lifting capacities will vary with different work tools, ground conditions and attachments.

The difference between the weight of a work tool attachment must be subtracted.

Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.

▲ Failure to comply to the rated load can cause serious injury, death, or property damage.

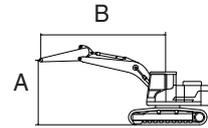
Make adjustments to the rated load as necessary for non-standard configurations.

#### 4) HX140A HW, 800 mm SHOE

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX140A HW	MONO BOOM	4600	2100	2100	800	-	-	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)								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)	
6.0 m (19.7 ft)	kg					*4130	*4130			*2950	*2950	5.04
	lb					*9110	*9110			*6500	*6500	(16.5)
4.5 m (14.8 ft)	kg					*4470	*4470	*2830	*2830	*2820	*2820	6.00
	lb					*9850	*9850	*6240	*6240	*6220	*6220	(19.7)
3.0 m (9.8 ft)	kg			*8080	*8080	*5390	4720	*4460	3120	*2900	2790	6.48
	lb			*17810	*17810	*11880	10410	*9830	6880	*6390	6150	(21.3)
1.5 m (4.9 ft)	kg					*6340	4520	4530	3040	*3190	2670	6.58
	lb					*13980	9960	9990	6700	*7030	5890	(21.6)
0.0 m (0.0 ft)	kg			*7630	*7630	*6790	4400	4470	2990	*3780	2780	6.33
	lb			*16820	*16820	*14970	9700	9850	6590	*8330	6130	(20.8)
-1.5 m (-4.9 ft)	kg	*6850	*6850	*9530	8070	*6500	4390			4850	3220	5.67
	lb	*15100	*15100	*21010	17790	*14330	9680			10690	7100	(18.6)
-3.0 m (-9.8 ft)	kg			*7450	*7450					*4980	4610	4.43
	lb			*16420	*16420					*10980	10160	(14.5)

Note 1. Lifting capacity are based on ISO 10567.

- 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.
- The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).
- \*Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

Lifting capacities will vary with different work tools, ground conditions and attachments.

The difference between the weight of a work tool attachment must be subtracted.

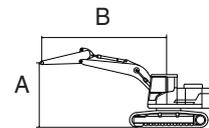
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.

▲ Failure to comply to the rated load can cause serious injury, death, or property damage. Make adjustments to the rated load as necessary for non-standard configurations.

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX140A HW	MONO BOOM	4600	2500	2100	800	-	-	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)								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)	
7.5 m (24.6 ft)	kg									*2580	*2580	4.06
	lb									*5690	*5690	(13.3)
6.0 m (19.7 ft)	kg					*3660	*3660			*2130	*2130	5.64
	lb					*8070	*8070			*4700	*4700	(18.5)
4.5 m (14.8 ft)	kg					*4060	*4060	*3460	3200	*2010	*2010	6.51
	lb					*8950	*8950	*7630	7050	*4430	*4430	(21.4)
3.0 m (9.8 ft)	kg			*7180	*7180	*5020	4760	*4220	3130	*2020	*2020	6.96
	lb			*15830	*15830	*11070	10490	*9300	6900	*4450	*4450	(22.8)
1.5 m (4.9 ft)	kg			*6940	*6940	*6080	4530	4520	3030	*2150	*2150	7.05
	lb			*15300	*15300	*13400	9990	9960	6680	*4740	*4740	(23.1)
0.0 m (0.0 ft)	kg			*7140	*7140	*6690	4390	4450	2960	*2450	*2450	6.82
	lb			*15740	*15740	*14750	9680	9810	6530	*5400	*5400	(22.4)
-1.5 m (-4.9 ft)	kg	*5530	*5530	*9910	7990	*6620	4350	4440	2950	*3060	2830	6.22
	lb	*12190	*12190	*21850	17610	*14590	9590	9790	6500	*6750	6240	(20.4)
-3.0 m (-9.8 ft)	kg			*8220	8130	*5530	4420			*4540	3730	5.11
	lb			*18120	17920	*12190	9740			*10010	8220	(16.8)
-4.5 m (-14.8 ft)	kg			*6970	*6970					*4530	*4530	4.29
	lb			*15370	*15370					*9990	*9990	(14.1)

Note 1. Lifting capacity are based on ISO 10567.

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3. The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).

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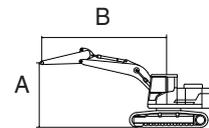
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Make adjustments to the rated load as necessary for non-standard configurations.

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX140A HW	MONO BOOM	4600	3000	2100	800	-	-	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)								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
												
7.5 m (24.6 ft)	kg lb					*2690 *5930	*2690 *5930			*2330 *5140	*2330 *5140	4.70 (15.4)
6.0 m (19.7 ft)	kg lb							*2310 *5090	*2310 *5090	*2030 *4480	*2030 *4480	6.12 (20.1)
4.5 m (14.8 ft)	kg lb					*3550 *7830	*3550 *7830	*3360 *7410	3240 7140	*1950 *4300	*1950 *4300	6.93 (22.7)
3.0 m (9.8 ft)	kg lb			*6080 *13400	*6080 *13400	*4550 *10030	*4550 *10030	*3920 *8640	3150 6940	*1990 *4390	*1990 *4390	7.35 (24.1)
1.5 m (4.9 ft)	kg lb			*9020 *19890	8340 18390	*5710 *12590	4570 10080	*4440 *9790	3040 6700	*2140 *4720	*2140 *4720	7.44 (24.4)
0.0 m (0.0 ft)	kg lb			*8000 *17640	7990 17610	*6520 *14370	4380 9660	4440 9790	2950 6500	*2430 *5360	2300 5070	7.22 (23.7)
-1.5 m (-4.9 ft)	kg lb	*5170 *11400	*5170 *11400	*10210 *22510	7920 17460	*6690 *14750	4310 9500	4400 9700	2920 6440	*3010 *6640	2550 5620	6.65 (21.8)
-3.0 m (-9.8 ft)	kg lb	*8400 *18520	*8400 *18520	*8970 *19780	8010 17660	*6030 *13290	4340 9570			*4450 *9810	3220 7100	5.63 (18.5)

Note 1. Lifting capacity are based on ISO 10567.

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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.

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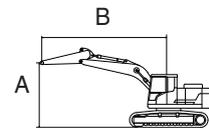
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Make adjustments to the rated load as necessary for non-standard configurations.

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX140A HW	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2100	2400	800	-	-	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)								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)	
6.0 m (19.7 ft)	kg					*4130	*4130			*2950	*2950	5.04
	lb					*9110	*9110			*6500	*6500	(16.5)
4.5 m (14.8 ft)	kg					*4470	*4470	*2830	*2830	*2820	*2820	6.00
	lb					*9850	*9850	*6240	*6240	*6220	*6220	(19.7)
3.0 m (9.8 ft)	kg			*8080	*8080	*5390	4940	*4460	3270	*2900	*2900	6.48
	lb			*17810	*17810	*11880	10890	*9830	7210	*6390	*6390	(21.3)
1.5 m (4.9 ft)	kg					*6340	4730	4710	3190	*3190	2800	6.58
	lb					*13980	10430	10380	7030	*7030	6170	(21.6)
0.0 m (0.0 ft)	kg			*7630	*7630	*6790	4610	4650	3140	*3780	2920	6.33
	lb			*16820	*16820	*14970	10160	10250	6920	*8330	6440	(20.8)
-1.5 m (-4.9 ft)	kg	*6850	*6850	*9530	8450	*6500	4600			*4900	3380	5.67
	lb	*15100	*15100	*21010	18630	*14330	10140			*10800	7450	(18.6)
-3.0 m (-9.8 ft)	kg			*7450	*7450					*4980	4820	4.43
	lb			*16420	*16420					*10980	10630	(14.5)

Note 1. Lifting capacity are based on ISO 10567.

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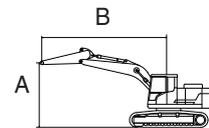
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▲ **Failure to comply to the rated load can cause serious injury, death, or property damage. Make adjustments to the rated load as necessary for non-standard configurations.**

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX140A HW	MONO BOOM	4600	2500	2400	800	-	-	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)								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)	
7.5 m (24.6 ft)	kg									*2580	*2580	4.06
	lb									*5690	*5690	(13.3)
6.0 m (19.7 ft)	kg				*3660	*3660				*2130	*2130	5.64
	lb				*8070	*8070				*4700	*4700	(18.5)
4.5 m (14.8 ft)	kg				*4060	*4060	*3460	3350	*2010	*2010	6.51	
	lb				*8950	*8950	*7630	7390	*4430	*4430	(21.4)	
3.0 m (9.8 ft)	kg		*7180	*7180	*5020	4970	*4220	3270	*2020	*2020	6.96	
	lb		*15830	*15830	*11070	10960	*9300	7210	*4450	*4450	(22.8)	
1.5 m (4.9 ft)	kg		*6940	*6940	*6080	4740	*4660	3180	*2150	*2150	7.05	
	lb		*15300	*15300	*13400	10450	*10270	7010	*4740	*4740	(23.1)	
0.0 m (0.0 ft)	kg		*7140	*7140	*6690	4600	4630	3110	*2450	*2450	6.82	
	lb		*15740	*15740	*14750	10140	10210	6860	*5400	*5400	(22.4)	
-1.5 m (-4.9 ft)	kg	*5530	*5530	*9910	8370	*6620	4560	4620	3100	*3060	2970	6.22
	lb	*12190	*12190	*21850	18450	*14590	10050	10190	6830	*6750	6550	(20.4)
-3.0 m (-9.8 ft)	kg		*8220	*8220	*5530	4630				*4540	3910	5.11
	lb		*18120	*18120	*12190	10210				*10010	8620	(16.8)

Note 1. Lifting capacity are based on ISO 10567.

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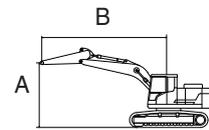
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX140A HW	MONO BOOM	4600	3000	2400	800	-	-	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)								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)
7.5 m (24.6 ft)	kg lb					*2690 *5930	*2690 *5930			*2330 *5140	*2330 *5140	4.70 (15.4)
6.0 m (19.7 ft)	kg lb							*2310 *5090	*2310 *5090	*2030 *4480	*2030 *4480	6.12 (20.1)
4.5 m (14.8 ft)	kg lb					*3550 *7830	*3550 *7830	*3360 *7410	*3360 *7410	*1950 *4300	*1950 *4300	6.93 (22.7)
3.0 m (9.8 ft)	kg lb			*6080 *13400	*6080 *13400	*4550 *10030	*4550 *10030	*3920 *8640	3300 7280	*1990 *4390	*1990 *4390	7.35 (24.1)
1.5 m (4.9 ft)	kg lb			*9020 *19890	8720 19220	*5710 *12590	4780 10540	*4440 *9790	3190 7030	*2140 *4720	*2140 *4720	7.44 (24.4)
0.0 m (0.0 ft)	kg lb			*8000 *17640	*8000 *17640	*6520 *14370	4600 10140	4620 10190	3100 6830	*2430 *5360	2420 5340	7.22 (23.7)
-1.5 m (-4.9 ft)	kg lb	*5170 *11400	*5170 *11400	*10210 *22510	8300 18300	*6690 *14750	4520 9960	4580 10100	3060 6750	*3010 *6640	2680 5910	6.65 (21.8)
-3.0 m (-9.8 ft)	kg lb	*8400 *18520	*8400 *18520	*8970 *19780	8390 18500	*6030 *13290	4560 10050			*4450 *9810	3380 7450	5.63 (18.5)
-4.5 m (-14.8 ft)	kg lb			*6970 *15370	*6970 *15370					*4530 *9990	*4530 *9990	4.29 (14.1)

Note 1. Lifting capacity are based on 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 Lift-point is bucket pivot mounting pin on the arm (without bucket mass).

4. \*Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

Lifting capacities will vary with different work tools, ground conditions and attachments.

The difference between the weight of a work tool attachment must be subtracted.

Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.

▲ Failure to comply to the rated load can cause serious injury, death, or property damage.

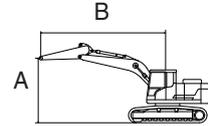
Make adjustments to the rated load as necessary for non-standard configurations.

### 5) HX140A HW, 900 mm SHOE

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX140A HW	MONO BOOM	4600	2100	2100	900	-	-	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)								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)	
6.0 m (19.7 ft)	kg					*4130	*4130			*2950	*2950	5.04
	lb					*9110	*9110			*6500	*6500	(16.5)
4.5 m (14.8 ft)	kg					*4470	*4470	*2830	*2830	*2820	*2820	6.00
	lb					*9850	*9850	*6240	*6240	*6220	*6220	(19.7)
3.0 m (9.8 ft)	kg			*8080	*8080	*5390	4770	*4460	3160	*2900	2820	6.48
	lb			*17810	*17810	*11880	10520	*9830	6970	*6390	6220	(21.3)
1.5 m (4.9 ft)	kg					*6340	4570	4580	3070	*3190	2700	6.58
	lb					*13980	10080	10100	6770	*7030	5950	(21.6)
0.0 m (0.0 ft)	kg			*7630	*7630	*6790	4450	4520	3020	*3780	2820	6.33
	lb			*16820	*16820	*14970	9810	9960	6660	*8330	6220	(20.8)
-1.5 m (-4.9 ft)	kg	*6850	*6850	*9530	8160	*6500	4440			4900	3260	5.67
	lb	*15100	*15100	*21010	17990	*14330	9790			10800	7190	(18.6)
-3.0 m (-9.8 ft)	kg			*7450	*7450					*4980	4650	4.43
	lb			*16420	*16420					*10980	10250	(14.5)

Note 1. Lifting capacity are based on ISO 10567.

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- The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).
- \*Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

Lifting capacities will vary with different work tools, ground conditions and attachments.

The difference between the weight of a work tool attachment must be subtracted.

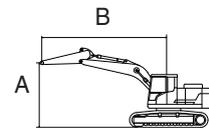
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.

▲ Failure to comply to the rated load can cause serious injury, death, or property damage. Make adjustments to the rated load as necessary for non-standard configurations.

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX140A HW	MONO BOOM	4600	2500	2100	900	-	-	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)								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)	
7.5 m (24.6 ft)	kg									*2580	*2580	4.06
	lb									*5690	*5690	(13.3)
6.0 m (19.7 ft)	kg					*3660	*3660			*2130	*2130	5.64
	lb					*8070	*8070			*4700	*4700	(18.5)
4.5 m (14.8 ft)	kg					*4060	*4060	*3460	3240	*2010	*2010	6.51
	lb					*8950	*8950	*7630	7140	*4430	*4430	(21.4)
3.0 m (9.8 ft)	kg			*7180	*7180	*5020	4810	*4220	3160	*2020	*2020	6.96
	lb			*15830	*15830	*11070	10600	*9300	6970	*4450	*4450	(22.8)
1.5 m (4.9 ft)	kg			*6940	*6940	*6080	4580	4570	3070	*2150	*2150	7.05
	lb			*15300	*15300	*13400	10100	10080	6770	*4740	*4740	(23.1)
0.0 m (0.0 ft)	kg			*7140	*7140	*6690	4430	4500	3000	*2450	*2450	6.82
	lb			*15740	*15740	*14750	9770	9920	6610	*5400	*5400	(22.4)
-1.5 m (-4.9 ft)	kg	*5530	*5530	*9910	8080	*6620	4400	4490	2990	*3060	2860	6.22
	lb	*12190	*12190	*21850	17810	*14590	9700	9900	6590	*6750	6310	(20.4)
-3.0 m (-9.8 ft)	kg			*8220	8220	*5530	4470			*4540	3780	5.11
	lb			*18120	18120	*12190	9850			*10010	8330	(16.8)
-4.5 m (-14.8 ft)	kg			*6970	*6970					*4530	*4530	4.29
	lb			*15370	*15370					*9990	*9990	(14.1)

Note 1. Lifting capacity are based on ISO 10567.

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3. The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).

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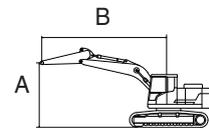
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX140A HW	MONO BOOM	4600	3000	2100	900	-	-	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)								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
												
7.5 m (24.6 ft)	kg lb					*2690 *5930	*2690 *5930			*2330 *5140	*2330 *5140	4.70 (15.4)
6.0 m (19.7 ft)	kg lb							*2310 *5090	*2310 *5090	*2030 *4480	*2030 *4480	6.12 (20.1)
4.5 m (14.8 ft)	kg lb					*3550 *7830	*3550 *7830	*3360 *7410	3280 7230	*1950 *4300	*1950 *4300	6.93 (22.7)
3.0 m (9.8 ft)	kg lb			*6080 *13400	*6080 *13400	*4550 *10030	*4550 *10030	*3920 *8640	3190 7030	*1990 *4390	*1990 *4390	7.35 (24.1)
1.5 m (4.9 ft)	kg lb			*9020 *19890	8430 18580	*5710 *12590	4620 10190	*4440 *9790	3080 6790	*2140 *4720	*2140 *4720	7.44 (24.4)
0.0 m (0.0 ft)	kg lb			*8000 *17640	*8000 *17640	*6520 *14370	4430 9770	4490 9900	2990 6590	*2430 *5360	*2320 5110	7.22 (23.7)
-1.5 m (-4.9 ft)	kg lb	*5170 *11400	*5170 *11400	*10210 *22510	8010 17660	*6690 *14750	4360 9610	4450 9810	2950 6500	*3010 *6640	2580 5690	6.65 (21.8)
-3.0 m (-9.8 ft)	kg lb	*8400 *18520	*8400 *18520	*8970 *19780	8100 17860	*6030 *13290	4390 9680			*4450 *9810	3260 7190	5.63 (18.5)

Note 1. Lifting capacity are based on ISO 10567.

- 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.
- The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).
- \*Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

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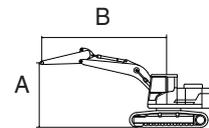
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Make adjustments to the rated load as necessary for non-standard configurations.

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX140A HW	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2100	2400	900	-	-	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)								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)	
6.0 m (19.7 ft)	kg					*3300	*3300			*2140	*2140	5.21
	lb					*7280	*7280			*4720	*4720	(17.1)
4.5 m (14.8 ft)	kg					*3800	*3800	*2560	*2560	*2120	*2120	6.15
	lb					*8380	*8380	*5640	*5640	*4670	*4670	(20.2)
3.0 m (9.8 ft)	kg			*6870	*6870	*4740	*4740	*3940	3070	*2260	*2260	6.62
	lb			*15150	*15150	*10450	*10450	*8690	6770	*4980	*4980	(21.7)
1.5 m (4.9 ft)	kg			*9420	8310	*5760	4520	*4370	2970	*2590	2500	6.72
	lb			*20770	18320	*12700	9960	*9630	6550	*5710	5510	(22.0)
0.0 m (0.0 ft)	kg			*8940	8070	*6360	4360	4430	2890	*3250	2600	6.47
	lb			*19710	17790	*14020	9610	9770	6370	*7170	5730	(21.2)
-1.5 m (-4.9 ft)	kg	*6730	*6730	*9510	8090	*6290	4320			4610	3000	5.83
	lb	*14840	*14840	*20970	17840	*13870	9520			10160	6610	(19.1)
-3.0 m (-9.8 ft)	kg			*7840	*7840	*5210	4410			*5010	4240	4.63
	lb			*17280	*17280	*11490	9720			*11050	9350	(15.2)

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- The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).
- \*Indicates load limited by hydraulic capacity.

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Lifting capacities will vary with different work tools, ground conditions and attachments.

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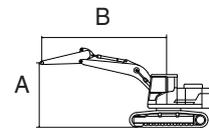
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX140A HW	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2500	2400	900	-	-	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)								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)	
7.5 m (24.6 ft)	kg									*2580	*2580	4.06
	lb									*5690	*5690	(13.3)
6.0 m (19.7 ft)	kg				*3660	*3660				*2130	*2130	5.64
	lb				*8070	*8070				*4700	*4700	(18.5)
4.5 m (14.8 ft)	kg				*4060	*4060	*3460	3380	*2010	*2010	6.51	
	lb				*8950	*8950	*7630	7450	*4430	*4430	(21.4)	
3.0 m (9.8 ft)	kg		*7180	*7180	*5020	5020	*4220	3310	*2020	*2020	6.96	
	lb		*15830	*15830	*11070	11070	*9300	7300	*4450	*4450	(22.8)	
1.5 m (4.9 ft)	kg		*6940	*6940	*6080	4790	*4660	3210	*2150	*2150	7.05	
	lb		*15300	*15300	*13400	10560	*10270	7080	*4740	*4740	(23.1)	
0.0 m (0.0 ft)	kg		*7140	*7140	*6690	4650	4680	3140	*2450	*2450	6.82	
	lb		*15740	*15740	*14750	10250	10320	6920	*5400	*5400	(22.4)	
-1.5 m (-4.9 ft)	kg	*5530	*5530	*9910	8460	*6620	4610	4670	3130	*3060	3000	6.22
	lb	*12190	*12190	*21850	18650	*14590	10160	10300	6900	*6750	6610	(20.4)
-3.0 m (-9.8 ft)	kg		*8220	*8220	*5530	4680				*4540	3960	5.11
	lb		*18120	*18120	*12190	10320				*10010	8730	(16.8)

Note 1. Lifting capacity are based on ISO 10567.

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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.

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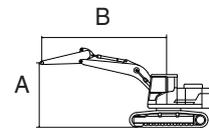
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX140A HW	MONO BOOM	4600	3000	2400	900	-	-	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)	Lift-point radius (B)								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)	
7.5 m (24.6 ft)	kg					*2690	*2690			*2330	*2330	4.70
	lb					*5930	*5930			*5140	*5140	(15.4)
6.0 m (19.7 ft)	kg							*2310	*2310	*2030	*2030	6.12
	lb							*5090	*5090	*4480	*4480	(20.1)
4.5 m (14.8 ft)	kg					*3550	*3550	*3360	*3360	*1950	*1950	6.93
	lb					*7830	*7830	*7410	*7410	*4300	*4300	(22.7)
3.0 m (9.8 ft)	kg			*6080	*6080	*4550	*4550	*3920	3340	*1990	*1990	7.35
	lb			*13400	*13400	*10030	*10030	*8640	7360	*4390	*4390	(24.1)
1.5 m (4.9 ft)	kg			*9020	8810	*5710	4830	*4440	3220	*2140	*2140	7.44
	lb			*19890	19420	*12590	10650	*9790	7100	*4720	*4720	(24.4)
0.0 m (0.0 ft)	kg			*8000	*8000	*6520	4650	4670	3130	*2430	*2430	7.22
	lb			*17640	*17640	*14370	10250	10300	6900	*5360	*5360	(23.7)
-1.5 m (-4.9 ft)	kg	*5170	*5170	*10210	8390	*6690	4570	4630	3100	*3010	2710	6.65
	lb	*11400	*11400	*22510	18500	*14750	10080	10210	6830	*6640	5970	(21.8)
-3.0 m (-9.8 ft)	kg	*8400	*8400	*8970	8480	*6030	4600			*4450	3410	5.63
	lb	*18520	*18520	*19780	18700	*13290	10140			*9810	7520	(18.5)
-4.5 m (-14.8 ft)	kg			*6970	*6970					*4530	*4530	4.29
	lb			*15370	*15370					*9990	*9990	(14.1)

Note 1. Lifting capacity are based on 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 Lift-point is bucket pivot mounting pin on the arm (without bucket mass).

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Make adjustments to the rated load as necessary for non-standard configurations.

## 6. BUCKET SELECTION GUIDE

### 1) HX140A L/LD/HW MONO BOOM, 2100 kg COUNTERWEIGHT



General bucket



Hammerless tooth bucket

140A2SP20

Type	Counterweight						2100 kg MONO BOOM		
	Capacity		Width		Weight	Tooth	4.6 m (15' 1") Boom		
	SAE Heaped	CECE heaped	Without side cutter	With side cutter			2.10 m (6' 11") Arm	2.50 m (8' 2") Arm	3.00 m (9' 10") Arm
	m <sup>3</sup> (yd <sup>3</sup> )	m <sup>3</sup> (yd <sup>3</sup> )	mm (in)	mm (in)	kg (lb)	EA			
General bucket	0.51 (0.67)	0.45 (0.59)	865 (34.1")	995 (39.2")	395 (870)	5	●	●	●
	0.59 (0.77)	0.51 (0.67)	955 (37.6")	1085 (42.7")	415 (910)	5	●	◐	◐
	0.64 (0.84)	0.55 (0.72)	1040 (40.9")	1170 (46.1")	440 (970)	5	●	◐	■
	0.67 (0.88)	0.60 (0.78)	1110 (43.7")	1140 (44.9")	550 (1210)	5	◐	■	■
	0.74 (0.97)	0.66 (0.86)	1210 (47.6")	1240 (48.8")	595 (1310)	6	■	▲	▲
Hammer -less tooth bucket	0.50 (0.65)	0.45 (0.59)	760 (29.9")	800 (31.5")	440 (970)	4	●	●	●
	0.61 (0.80)	0.54 (0.71)	915 (36.0")	950 (37.4")	490 (1080)	5	●	◐	■

●	Applicable for materials with density of 2100 kg/m <sup>3</sup> (3500 lb/yd <sup>3</sup> ) or less
◐	Applicable for materials with density of 1800 kg/m <sup>3</sup> (3000 lb/yd <sup>3</sup> ) or less
■	Applicable for materials with density of 1500 kg/m <sup>3</sup> (2500 lb/yd <sup>3</sup> ) or less
▲	Applicable for materials with density of 1200 kg/m <sup>3</sup> (2000 lb/yd <sup>3</sup> ) or less
X	Not recommended

※ These recommendations are for general conditions and average use.

Work tools and ground conditions have effects on machine performance.

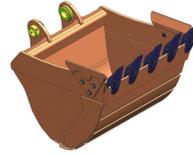
Select an optimum combination according to the working conditions and the type of work that is being done.

Consult with your local HD Hyundai Construction Equipment dealer for information on selecting the correct boom—arm—bucket combination.

## 2) HX140A L/LD/HW MONO BOOM, 2400 kg COUNTERWEIGHT



General bucket



Hammerless tooth bucket

140A2SP20

Type	Counterweight						2400 kg		
	Capacity		Width		Weight	Tooth	MONO BOOM		
	SAE Heaped	CECE heaped	Without side cutter	With side cutter			4.6 m (15' 1") Boom		
	m <sup>3</sup> (yd <sup>3</sup> )	m <sup>3</sup> (yd <sup>3</sup> )	mm (in)	mm (in)	kg (lb)	EA	2.10 m (6' 11") Arm	2.50 m (8' 2") Arm	3.00 m (9' 10") Arm
General bucket	0.51 (0.67)	0.45 (0.59)	865 (34.1")	995 (39.2")	395 (870)	5	●	●	●
	0.59 (0.77)	0.51 (0.67)	955 (37.6")	1085 (42.7")	415 (910)	5	●	●	◐
	0.64 (0.84)	0.55 (0.72)	1040 (40.9")	1170 (46.1")	440 (970)	5	●	◐	◐
	0.67 (0.88)	0.60 (0.78)	1110 (43.7")	1140 (44.9")	550 (1210)	5	◐	◐	■
	0.74 (0.97)	0.66 (0.86)	1210 (47.6")	1240 (48.8")	595 (1310)	6	◐	■	▲
Hammerless tooth bucket	0.50 (0.65)	0.45 (0.59)	760 (29.9")	800 (31.5")	440 (970)	4	●	●	●
	0.61 (0.80)	0.54 (0.71)	915 (36.0")	950 (37.4")	490 (1080)	5	●	◐	◐

●	Applicable for materials with density of 2100 kg/m <sup>3</sup> (3500 lb/yd <sup>3</sup> ) or less
◐	Applicable for materials with density of 1800 kg/m <sup>3</sup> (3000 lb/yd <sup>3</sup> ) or less
■	Applicable for materials with density of 1500 kg/m <sup>3</sup> (2500 lb/yd <sup>3</sup> ) or less
▲	Applicable for materials with density of 1200 kg/m <sup>3</sup> (2000 lb/yd <sup>3</sup> ) or less
X	Not recommended

※ These recommendations are for general conditions and average use.

Work tools and ground conditions have effects on machine performance.

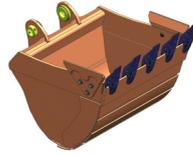
Select an optimum combination according to the working conditions and the type of work that is being done.

Consult with your local HD Hyundai Construction Equipment dealer for information on selecting the correct boom—arm—bucket combination.

### 3) HX140A L/LD/HW 2-PIECE BOOM



General bucket



Hammerless tooth bucket

140A2SP20

Type	Counterweight						2400 kg	
	Capacity		Width		Weight	Tooth	MONO BOOM	
	SAE Heaped	CECE heaped	Without side cutter	With side cutter			4.6 m (15' 1") Boom	
	m <sup>3</sup> (yd <sup>3</sup> )	m <sup>3</sup> (yd <sup>3</sup> )	mm (in)	mm (in)	kg (lb)	EA	2.10 m (6' 11") Arm	2.50 m (8' 2") Arm
General bucket	0.51 (0.67)	0.45 (0.59)	865 (34.1")	995 (39.2")	395 (870)	5	●	●
	0.59 (0.77)	0.51 (0.67)	955 (37.6")	1085 (42.7")	415 (910)	5	●	◐
	0.64 (0.84)	0.55 (0.72)	1040 (40.9")	1170 (46.1")	440 (970)	5	◐	■
	0.67 (0.88)	0.60 (0.78)	1110 (43.7")	1140 (44.9")	550 (1210)	5	■	■
	0.74 (0.97)	0.66 (0.86)	1210 (47.6")	1240 (48.8")	595 (1310)	6	■	▲
Hammerless tooth bucket	0.50 (0.65)	0.45 (0.59)	760 (29.9")	800 (31.5")	440 (970)	4	●	●
	0.61 (0.80)	0.54 (0.71)	915 (36.0")	950 (37.4")	490 (1080)	5	◐	■

- Applicable for materials with density of 2100 kg/m<sup>3</sup> (3500 lb/yd<sup>3</sup>) or less
- ◐ Applicable for materials with density of 1800 kg/m<sup>3</sup> (3000 lb/yd<sup>3</sup>) or less
- Applicable for materials with density of 1500 kg/m<sup>3</sup> (2500 lb/yd<sup>3</sup>) or less
- ▲ Applicable for materials with density of 1200 kg/m<sup>3</sup> (2000 lb/yd<sup>3</sup>) or less
- X Not recommended

※ These recommendations are for general conditions and average use.

Work tools and ground conditions have effects on machine performance.

Select an optimum combination according to the working conditions and the type of work that is being done.

Consult with your local HD Hyundai Construction Equipment dealer for information on selecting the correct boom—arm—bucket combination.

## 7. UNDERCARRIAGE

### 1) TYPES OF SHOES

Model	Description	Unit		Triple grouser					
	width	mm	(in)	500	(20")	600	(24")	700	(28")
HX140A L	Operating weight	kg	(lb)	14200	31310	14405	31760	14625	32240
	Ground pressure	kgf/cm <sup>2</sup>	(psi)	0.44	(6.23)	0.37	(5.26)	0.32	(4.58)
	Overall width	mm		2490	(8' 2")	2590	(8' 6")	2690	(8' 10")
	Link quantity	EA		46		46		46	
HX140A LD	Operating weight	kg	(lb)	15015	33100	15230	33580	15460	34080
	Ground pressure	kgf/cm <sup>2</sup>	(psi)	0.46	(6.59)	0.39	(5.56)	0.34	(4.84)
	Overall width	mm		2490	(8' 2")	2590	(8' 6")	2690	(8' 10")
	Link quantity	EA		46		46		46	

Model	Description	Unit		Triple grouser for H/C				Triple grouser for MUD	
	width	mm	(in)	700	(28")	800	(32")	900	(36")
HX140A HW	Operating weight	kg	(lb)	17225	37970	17460	38490	17180	37880
	Ground pressure	kgf/cm <sup>2</sup>	(psi)	0.37	(5.29)	0.33	(4.69)	0.29	(4.11)
	Overall width	mm		2740	(9' 0")	2840	(9' 4")	2940	(9' 8")
	Link quantity	EA		49		49		49	

## 2) SELECTION OF TRACK SHOE

Suitable track shoes should be selected according to operating conditions.

### Method of selecting shoes

Confirm the category from the list of applications in **table 2**, then use **table 1** to select the shoe. Wide shoes (categories B and C) have limitations on applications. Before using wide shoes, check the precautions, then investigate and study the operating conditions to confirm if these shoes are suitable.

Select the narrowest shoe possible to meet the required flotation and ground pressure. Application of wider shoes than recommendations will cause unexpected problem such as bending of shoes, crack of link, breakage of pin, loosening of shoe bolts and the other various problems.

**Table 1**

Model	Track shoe	Specification	Category
HX140A L/LD	500 mm triple grouser	Option	A
	600 mm triple grouser	Standard	B
	700 mm triple grouser	Option	C
HX140A HW	700 mm triple grouser for H/C	Option	C
	800 mm triple grouser for H/C	Option	C
	900 mm triple grouser for MUD	Option	C

**Table 2**

Category	Applications	Precautions
A	Rocky ground, river beds, normal soil	<ul style="list-style-type: none"> <li>· Travel at low speed on rough ground with large obstacles such as boulders or fallen trees or a wide range of general civil engineering work</li> </ul>
B	Normal soil, soft ground	<ul style="list-style-type: none"> <li>· These shoes cannot be used on rough ground with large obstacles such as boulders or fallen trees</li> <li>· Travel at high speed only on flat ground</li> <li>· Travel slowly at low speed if it is impossible to avoid going over obstacles</li> </ul>
C	Extremely soft ground (swampy ground)	<ul style="list-style-type: none"> <li>· Use the shoes only in the conditions that the machine sinks and it is impossible to use the shoes of category A or B</li> <li>· These shoes cannot be used on rough ground with large obstacles such as boulders or fallen trees</li> <li>· Travel at high speed only on flat ground</li> <li>· Travel slowly at low speed if it is impossible to avoid going over obstacles</li> </ul>

## 8. SPECIFICATIONS FOR MAJOR COMPONENTS

### 1) ENGINE

Item	Specification
Maker / Model	Cummins / F3.8
Type	4-cycle, turbocharged, charge air cooled, electronic controlled diesel engine
Cooling method	Water cooled
Number of cylinders and arrangement	4 cylinders, in-line
Firing order	1-3-4-2
Combustion chamber type	Direct injection type
Cylinder bore × stroke	102 × 115 mm (4.02" × 4.53")
Displacement	3.8 ℓ (229 cu in)
Compression ratio	17.2 : 1
Gross power	134 Hp (100 kW) at 2200 rpm
Net power	131 Hp (98 kW) at 2200 rpm
Max. power	134 Hp (100 kW) at 2200 rpm
Peak Torque	550 N · m (406 lbf · ft) at 1500 rpm
Engine oil quantity	12 ℓ (3.2 U.S. gal)
Wet weight	360 kg (794 lb)
Starter motor	24 V-4.8 kW
Alternator	24 V-70 A

### 2) MAIN PUMP

Item	Specification
Type	Variable displacement tandem axis piston pumps
Capacity	2 × 65 cc/rev
Maximum pressure	350 kgf/cm <sup>2</sup> (4980 psi)
Maximum pressure (power boost)	380 kgf/cm <sup>2</sup> (5400 psi)
Rated oil flow	2 × 123.5 ℓ /min (32.6 U.S. gpm / 27.2 U.K. gpm)
Rated speed	1900 rpm

### 3) GEAR PUMP

Item	Specification
Type	Fixed displacement gear pump single stage
Capacity	15 cc/rev
Maximum pressure	40 kgf/cm <sup>2</sup> (570 psi)
Rated oil flow	28.5 ℓ /min (7.5 U.S. gpm/6.3 U.K. gpm)

### 4) MAIN CONTROL VALVE

Item	Specification	
Type	11 spools	
Operating method	Hydraulic pilot system	
Main relief valve pressure	350 kgf/cm <sup>2</sup> (4980 psi)	
Main relief valve pressure - power boost	380 kgf/cm <sup>2</sup> (5400 psi)	
Port relief valve pressure	Boom	400 kgf/cm <sup>2</sup> (5690 psi)
	Arm	400 kgf/cm <sup>2</sup> (5690 psi)
	Bucket	400 kgf/cm <sup>2</sup> (5690 psi)

### 5) SWING MOTOR

Item	Specification	
Type	Fixed displacement axial piston motor	
Capacity	72 cc/rev	
Relief pressure	280 kgf/cm <sup>2</sup> (3990 psi)	
Braking system	Automatic, spring applied hydraulic released	
Swing brake	Multi wet disc	
Braking torque	640 kgf · m (4629 lbf · ft) over	
Brake release pressure	Cracking	18 kgf/cm <sup>2</sup> (256 psi)
	Full stroke	24 kgf/cm <sup>2</sup> (341 psi)
Swing bearing lubrication	Grease-bathed	
Reduction gear type	2 - stage planetary	

## 6) TRAVEL MOTOR

Item	Specification
Type	Variable displacement axial piston motor
Capacity	77/44.5 cc/rev
Relief pressure	350 kgf/cm <sup>2</sup> (4980 psi)
Braking system	Automatic, spring applied hydraulic released
Braking torque	1779 kgf · m (12868 lbf · ft)
Brake release pressure	12.5~15.9 kgf/cm <sup>2</sup> (202~239 psi)
Reduction gear type	2-stage planetary

## 7) CYLINDER

Item	Specification	
Boom cylinder	Bore dia × Stroke	∅105 × 1080 mm
	Cushion	Extend only
Arm cylinder	Bore dia × Stroke	∅115 × 1108 mm
	Cushion	Extend and retract
Adjust boom cylinder (2-piece boom)	Bore dia × Stroke	∅105 × 975 mm
	Cushion	Extend only
Adjust cylinder (2-piece boom)	Bore dia × Stroke	∅145 × 613 mm
	Cushion	Extend and retract
Arm cylinder (2-piece boom)	Bore dia × Stroke	∅115 × 1138 mm
	Cushion	Extend and retract only
Bucket cylinder	Bore dia × Stroke	∅100 × 900 mm
	Cushion	Extend only
Dozer cylinder	Bore dia × Stroke	∅100 × 250 mm
	Cushion	Extend only

- ※ Discoloration of cylinder rod can occur when the friction reduction additive of lubrication oil spreads on the rod surface.
- ※ Discoloration does not cause any harmful effect on the cylinder performance.

## 9. RECOMMENDED OILS

HD Hyundai Construction Equipment genuine lubricating oils have been developed to offer the best performance and service life for your equipment. These oils have been tested according to the specifications of HD Hyundai Construction Equipment and, therefore, will meet the highest safety and quality requirements.

We recommend that you use only HD Hyundai Construction Equipment genuine lubricating oils and grease officially approved by HD Hyundai Construction Equipment.

Service point	Kind of fluid	Capacity ℓ (U.S. gal)	Ambient temperature °C ( °F)									
			-50 (-58)	-30 (-22)	-20 (-4)	-10 (14)	0 (32)	10 (50)	20 (68)	30 (86)	40 (104)	
Engine oil pan	Engine oil	12 (3.2)	★SAE 5W-40					SAE 30				
			SAE 10W				SAE 10W-30					
			SAE 15W-40									
DEF/ AdBlue® tank	Mixture of urea and deionized water	35 (9.2)	ISO 22241, High-purity urea + deionized water (32.5:67.5)									
Swing drive	Gear oil	3.5 (0.9)	★SAE 75W-90									
Final drive		Type 1 : 2.3 (0.6)x2 Type 2 : 5.8 (1.5)x2	SAE 80W-90									
Hydraulic tank	Hydraulic oil	Tank 120 (31.7)	★ISO VG 15					ISO VG 32				
			ISO VG 46, HBHO VG 46★ <sup>3</sup>					ISO VG 68				
		System 210 (55.5)										
Fuel tank	Diesel fuel★ <sup>1</sup>	270 (71.3)	★ASTM D975 NO.1					ASTM D975 NO.2				
Fitting (grease nipple)	Grease	As required	★NLGI NO.1					NLGI NO.2				
Radiator (reservoir tank)	Mixture of antifreeze and soft water★ <sup>2</sup>	21 (5.5)	Ethylene glycol base permanent type (50 : 50)									
			★Ethylene glycol base permanent type (60 : 40)									

**SAE** : Society of Automotive Engineers

**API** : American Petroleum Institute

**ISO** : International Organization for Standardization

**NLGI** : National Lubricating Grease Institute

**ASTM** : American Society of Testing and Material

**DEF** : Diesel Exhaust Fluid, DEF compatible with AdBlue®

★ : Cold region (Russia, CIS, Mongolia)

★<sup>1</sup> : Ultra low sulfur diesel  
- sulfur content ≤ 10 ppm

★<sup>2</sup> : Soft water  
City water or distilled water

★<sup>3</sup> : HD Hyundai Construction Equipment  
Bio Hydraulic Oil

※ Using any lubricating oils other than HD Hyundai Construction Equipment genuine products may lead to a deterioration of performance and cause damage to major components.

※ Do not mix HD Hyundai Construction Equipment genuine oil with any other lubricating oil as it may result in damage to the systems of major components.

※ Do not use any engine oil other than that specified above, as it may clog the diesel particulate filter(DPF).

※ For HD Hyundai Construction Equipment genuine lubricating oils and grease for use in regions with extremely low temperatures, please contact your local HD Hyundai Construction Equipment dealer.