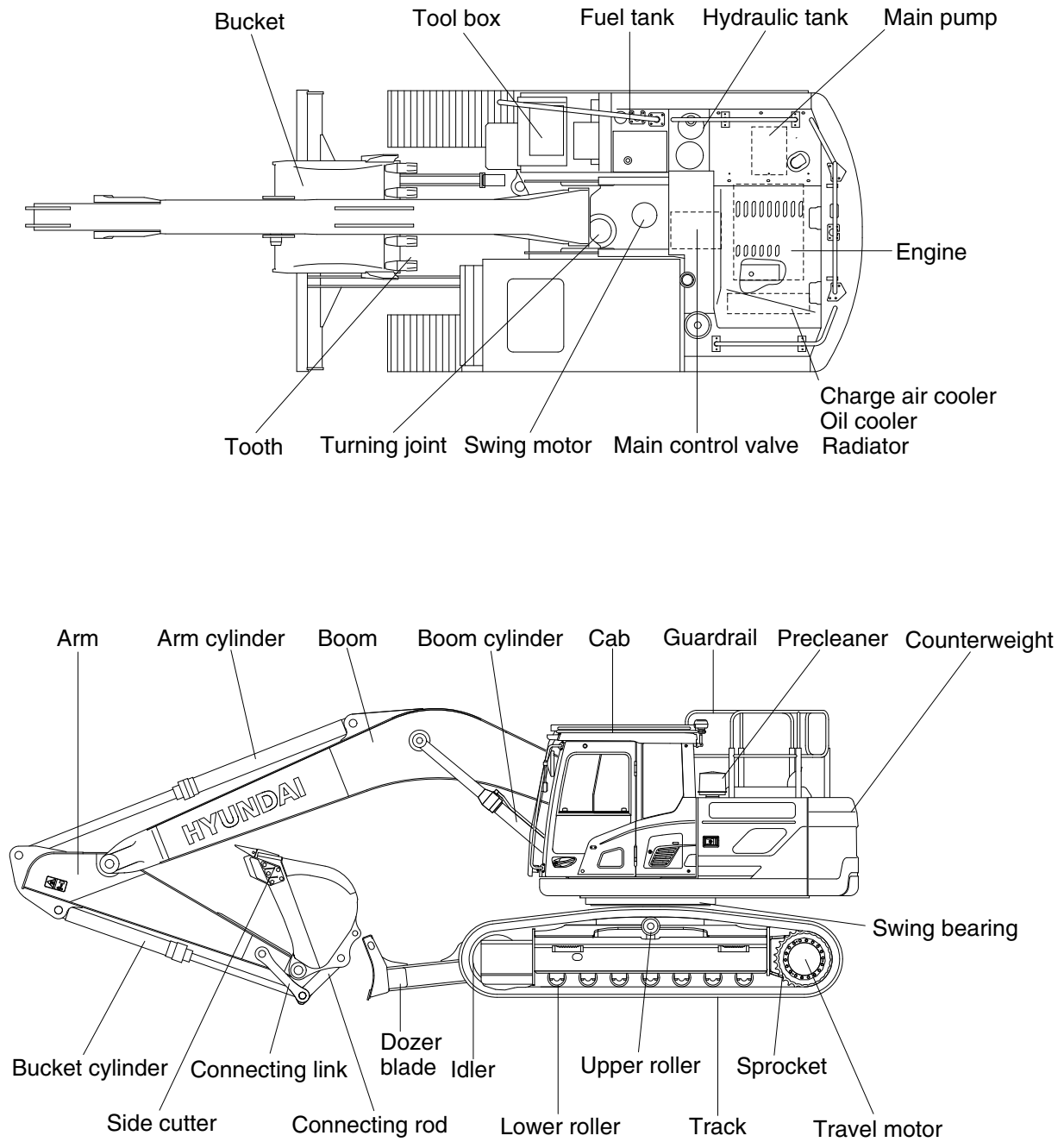


# SPECIFICATIONS

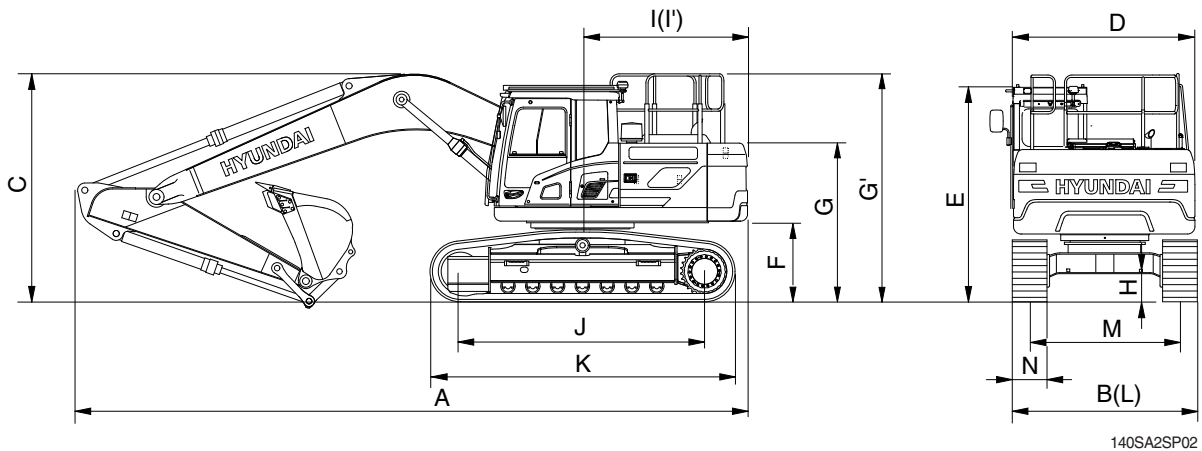
## 1. MAJOR COMPONENT



140SA2SP01A

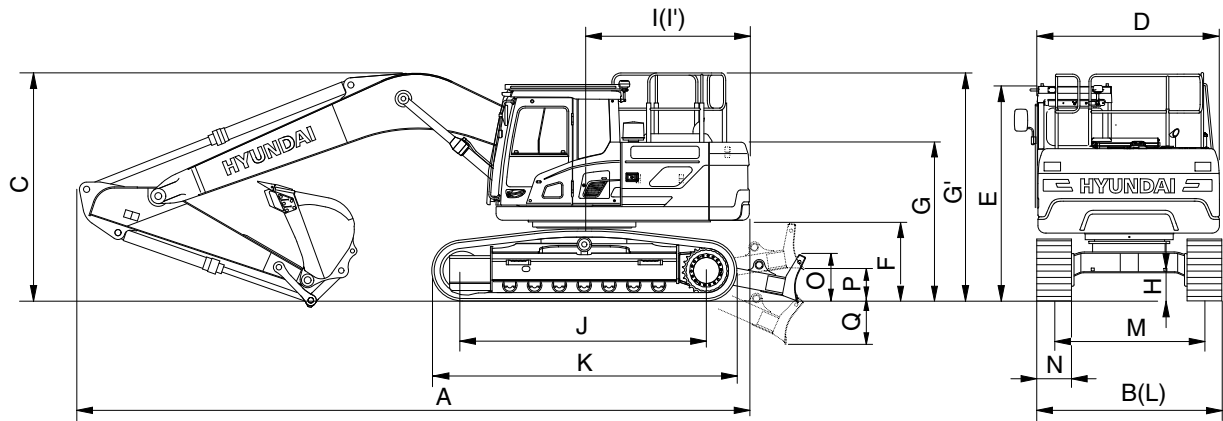
## 2. SPECIFICATIONS

### 1) HX140 LT3, MONO BOOM



Description	Unit		Specification	
	m (ft-in)	Boom	4.6 (15' 1")	
		Arm	2.50 (8' 2")	3.00 (9' 10")
	mm (in)	Shoe	600 (24")	
Operating weight	m <sup>3</sup> (yd <sup>3</sup> )	14325 (31580)	14355 (31650)	
Bucket capacity (SAE heaped), standard	kg (lb)	0.52 (0.68)	0.52 (0.68)	
Overall length	A	8135 (26' 8")	8100 (26' 7")	
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	2730 (8' 11")	3160 (10' 4")	
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	2220 (7' 3")	2220 (7' 3")	
Overall height of guardrail	G'	2925 (9' 7")	2925 (9' 7")	
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' 11")	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	2475 (8' 1")	2475 (8' 1")	
Undercarriage width with add footboard	L'	2475 (8' 1")	2475 (8' 1")	
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)	3.4/5.8 (2.1/3.6)	3.4/5.8 (2.1/3.6)	
Swing speed	rpm	12.4	12.4	
Gradeability	Degree (%)	35 (70)	35 (70)	
Ground pressure	kgf/cm <sup>2</sup> (psi)	0.37 (5.23)	0.37 (5.25)	
Max traction force	kg (lb)	12670 (27930)	12670 (27930)	

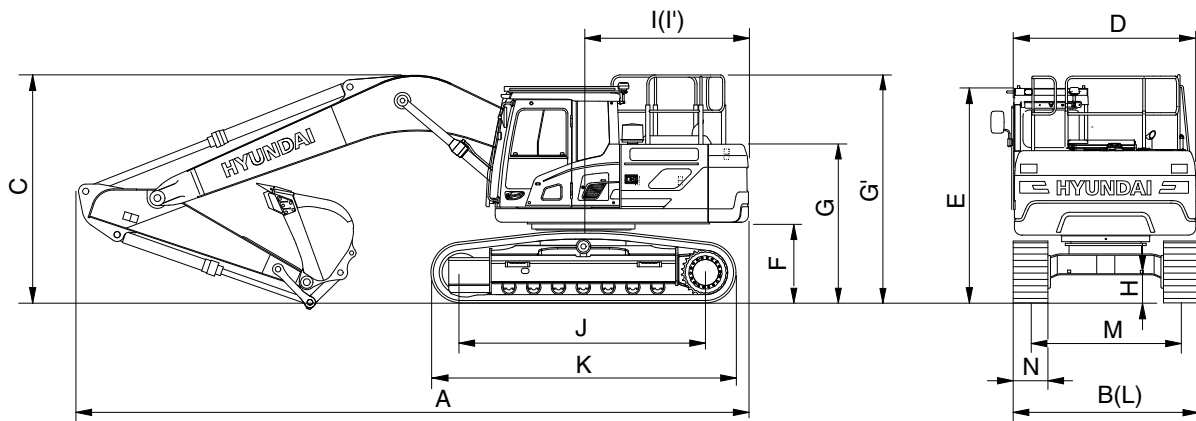
## 2) HX140 LDT3, MONO BOOM



140SA2SP03

Description	Unit		Specification	
	m (ft-in)	Boom	4.6 (15' 1")	
		Arm	2.50 (8' 2")	3.00 (9' 10")
	mm (in)	Shoe	600 (24")	
Operating weight	m <sup>3</sup> (yd <sup>3</sup> )		15230 (33580)	15260 (33640)
Bucket capacity (SAE heaped), standard	kg (lb)		0.52 (0.68)	0.52 (0.68)
Overall length	A	mm (ft-in)	8135 (26' 8")	8100 (26' 7")
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		2730 (8' 11")	3160 (10' 4")
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		2220 (7' 3")	2220 (7' 3")
Overall height of guardrail	G'		2925 (9' 7")	2925 (9' 7")
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' 11")	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		2475 (8' 1")	2475 (8' 1")
Undercarriage width with add footboard	L'		2475 (8' 1")	2475 (8' 1")
Track gauge	M		1990 (6' 6")	1990 (6' 6")
Track shoe width, standard	N		600 (2' 0")	600 (2' 0")
Height of blade	O		575 (1' 11")	575 (1' 11")
Ground clearance of blade up	P	580 (1' 11")	580 (1' 11")	
Depth of blade down	Q	475 (1' 7")	475 (1' 7")	
Track shoe link quantity	EA		46	46
Travel speed (low/high)	km/hr (mph)		3.4/5.8 (2.1/3.6)	3.4/5.8 (2.1/3.6)
Swing speed	rpm		12.4	12.4
Gradeability	Degree (%)		35 (70)	35 (70)
Ground pressure	kgf/cm <sup>2</sup> (psi)		0.42 (5.93)	0.39 (5.58)
Max traction force	kg (lb)		12670 (27930)	12670 (27930)

### 3) HX140 HWT3, MONO BOOM

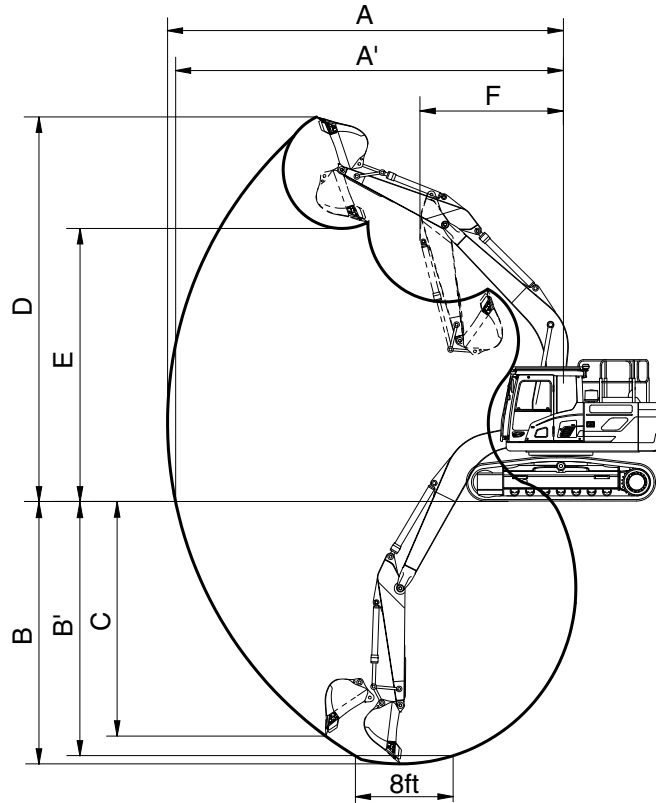


140SA2SP02

Description	Unit		Specification	
	m (ft-in)	Boom	4.6 (15' 1")	
		Arm	2.50 (8' 2")	3.00 (9' 10")
	mm (in)	Shoe	800 (32")	
Operating weight	m <sup>3</sup> (yd <sup>3</sup> )		17320 (38180)	17355 (38260)
Bucket capacity (SAE heaped), standard	kg (lb)		0.52 (0.68)	0.52 (0.68)
Overall length	A	mm (ft-in)	7775 (25' 6")	7845 (25' 9")
Overall width	B		2840 (9' 4")	2840 (9' 4")
Overall width with add footboard	B'		2840 (9' 4")	2840 (9' 4")
Overall height of boom	C		2750 (9' 0")	3120 (10' 3")
Overall width of upper structure	D		2475 (8' 1")	2475 (8' 1")
Overall height of cab	E		3135 (10' 3")	3135 (10' 3")
Ground clearance of counterweight	F		1205 (3' 11")	1205 (3' 11")
Overall height of engine hood	G		2470 (8' 1")	2470 (8' 1")
Overall height of guardrail	G'		3385 (11' 1")	3385 (11' 1")
Minimum ground clearance	H		600 (2' 0")	600 (2' 0")
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		3030 (9' 11")	3030 (9' 11")
Undercarriage length (without grouser)	K		3770 (12' 4")	3770 (12' 4")
Undercarriage length (with grouser)	K'		3820 (12' 6")	3820 (12' 6")
Undercarriage width	L		2840 (9' 4")	2840 (9' 4")
Undercarriage width with add footboard	L'		2840 (9' 4")	2840 (9' 4")
Track gauge	M		2040 (6' 8")	2040 (6' 8")
Track shoe width, standard	N		800 (2' 7")	800 (2' 7")
Track shoe link quantity	EA		47	47
Travel speed (low/high)	km/hr (mph)		3.4/5.8 (2.1/3.6)	3.4/5.8 (2.1/3.6)
Swing speed	rpm		12.4	12.4
Gradeability	Degree (%)		35 (70)	35 (70)
Ground pressure	kgf/cm <sup>2</sup> (psi)		0.33 (4.68)	0.33 (4.69)
Max traction force	kg (lb)		12670 (27930)	12670 (27930)

### 3. WORKING RANGE AND DIGGING FORCE

#### 1) HX140 LT3/LDT3

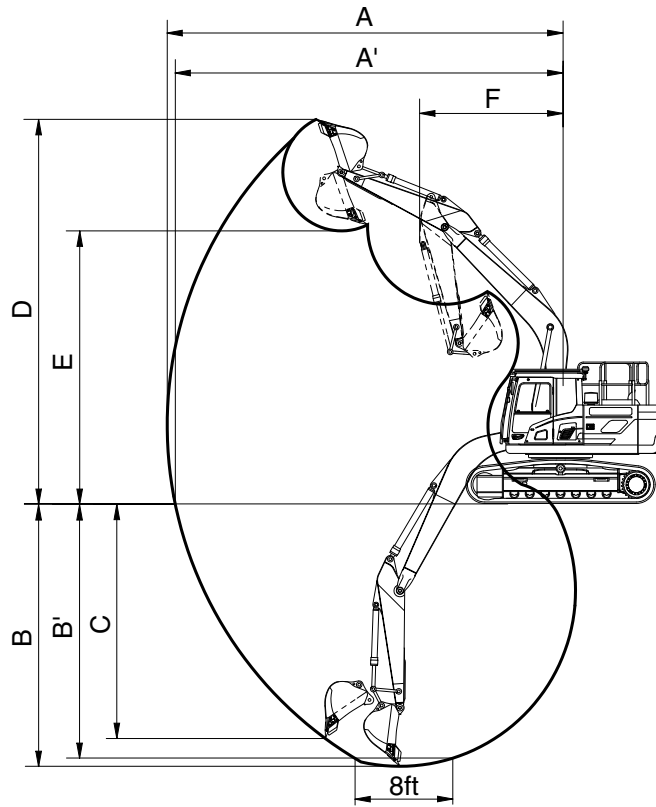


140SA2SP10

Description	m (ft-in)	Boom	4.60 (15' 1")	
		Arm	2.50 (8' 2")	3.00 (9' 10")
Max digging reach	mm (ft-in)	A	8290 (27' 2")	8670 (28' 5")
Max digging reach on ground		A'	8140 (26' 8")	8530 (28' 0")
Max digging depth		B	5380 (17' 8")	5880 (19' 3")
Max digging depth (8 ft level)		B'	5180 (17' 0")	5690 (18' 8")
Max vertical wall digging depth		C	4770 (15' 8")	4980 (16' 4")
Max digging height		D	8580 (28' 2")	8650 (28' 5")
Max dumping height		E	6240 (20' 6")	6350 (20' 10")
Min swing radius		F	2450 (8' 0")	2660 (8' 9")
Bucket digging force	kN	SAE	94.3 [102.4]	94.3 [102.4]
	kgf		9620 [10440]	9620 [10440]
	lbf		21210 [23020]	21210 [23020]
	kN	ISO	111.4 [120.9]	111.4 [120.9]
	kgf		11360 [12330]	11360 [12330]
	lbf		25040 [27180]	25040 [27180]
Arm digging force	kN	SAE	62.0 [67.3]	57.0 [61.9]
	kgf		6320 [6860]	5810 [6310]
	lbf		13930 [15120]	12810 [13910]
	kN	ISO	64.6 [70.1]	59.0 [64.1]
	kgf		6590 [7150]	6020 [6540]
	lbf		14530 [15760]	13270 [14420]

[ ] : Power boost

2) HX140 HWT3



140SA2SP10

Description	m (ft-in)	Boom	4.60 (15' 1")	
		Arm	2.50 (8' 2")	3.00 (9' 10")
Max digging reach	mm (ft-in)	A	8290 (27' 2")	8670 (28' 5")
Max digging reach on ground		A'	8080 (26' 6")	8470 (27' 9")
Max digging depth		B	5110 (16' 9")	5610 (18' 5")
Max digging depth (8 ft level)		B'	4900 (16' 1")	5410 (17' 9")
Max vertical wall digging depth		C	4490 (14' 9")	4700 (15' 5")
Max digging height		D	8860 (29' 1")	8930 (29' 4")
Max dumping height		E	6520 (21' 5")	6620 (21' 9")
Min swing radius		F	2450 (8' 0")	2660 (8' 9")
Bucket digging force	kN	SAE	94.3 [102.4]	94.3 [102.4]
	kgf		9620 [10440]	9620 [10440]
	lbf		21210 [23020]	21210 [23020]
	kN	ISO	111.4 [120.9]	111.4 [120.9]
	kgf		11360 [12330]	11360 [12330]
	lbf		25040 [27180]	25040 [27180]
Arm digging force	kN	SAE	62.0 [67.3]	57.0 [61.9]
	kgf		6320 [6860]	5810 [6310]
	lbf		13930 [15120]	12810 [13910]
	kN	ISO	64.6 [70.1]	59.0 [64.1]
	kgf		6590 [7150]	6020 [6540]
	lbf		14530 [15760]	13270 [14420]

[ ] : Power boost

## 4. WEIGHT

Item	Qty	HX140 LT3		HX140 LDT3		HX140 HWT3	
	EA	kg	lb	kg	lb	kg	lb
Upperstructure assembly							
· Main frame weld assembly	1	1140	2513	1140	2513	1140	2513
· Engine assembly	1	371	818	371	818	371	818
· 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	133	294	133	294	133	294
· Fuel tank WA	1	150	331	150	331	150	331
· Counterweight	1	1900	4189	1900	4189	1900	4189
· Cab assembly	1	495	1091	495	1091	495	1091
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	278	613
· Turning joint	1	56	123	63	139	56	123
· 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	4	19	42	19	42	40	88
· Lower roller	18	35	77	35	77	40	88
· Track Guard	2	36	79	36	79	-	-
· Track Guard	4	-	-	-	-	592	1305
· 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, 47 link)	2	-	-	-	-	1250	2755
· Track-chain assembly (800 mm, 47 link)	2	-	-	-	-	1367	3013
Front attachment assembly							
· 4.6 m mono boom assembly	1	812	1790	812	1790	812	1790
· 2.50 m arm assembly	1	445	981	445	981	445	981
· 3.00 m arm assembly	1	482	1063	482	1063	482	1063
· 0.58 m <sup>3</sup> bucket assembly	1	484	1067	484	1067	484	1067
· 0.52 m <sup>3</sup> bucket assembly	1	461	1016	461	1016	461	1016
· 0.65 m <sup>3</sup> bucket assembly	1	513	1131	513	1131	513	1131
· 0.71 m <sup>3</sup> bucket assembly	1	536	1182	536	1182	536	1182
· 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
· Dozer cylinder assembly	2	55	120	55	120	55	120
· Bucket control linkage total	1	114	251	114	251	114	251

※ 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) HX140 LT3

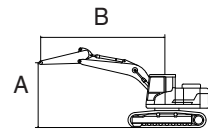
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX140 LT3	MONO BOOM	4600	2500	1900	600	-	-	-	-	-



: 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	3920	*3210	2470	*2020	*2020	6.39
	lb					*8660	8640	*7080	5450	*4450	*4450	(21.0)
3.0 m (9.8 ft)	kg			*6610	*6610	*4820	3720	3650	2410	*2010	1920	6.90
	lb			*14570	*14570	*10630	8200	8050	5310	*4430	4230	(22.6)
1.5 m (4.9 ft)	kg			*7930	6310	5510	3490	3540	2310	*2120	1810	7.06
	lb			*17480	13910	12150	7690	7800	5090	*4670	3990	(23.2)
0.0 m (0.0 ft)	kg			*6750	6040	5320	3330	3460	2240	*2380	1850	6.89
	lb			*14880	13320	11730	7340	7630	4940	*5250	4080	(22.6)
-1.5 m (-4.9 ft)	kg	*4910	*4910	*9970	6010	5260	3280	3430	2210	*2910	2060	6.36
	lb	*10820	*10820	*21980	13250	11600	7230	7560	4870	*6420	4540	(20.9)
-3.0 m (-9.8 ft)	kg	*8760	*8760	*8640	6120	5310	3320			4100	2630	5.36
	lb	*19310	*19310	*19050	13490	11710	7320			9040	5800	(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.

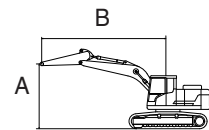
▲ Failure to comply to the rated load can cause serious injury, death, or property damage. Make adjustments to the rated load as necessary for non-standard configurations.













Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX140 LT3	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	3000	1900	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						*2050	*2050	*2070	*2070		5.91
	lb						*4520	*4520	*4560	*4560		(19.4)
4.5 m (14.8 ft)	kg				*3420	*3420	*3220	2520	*1960	*1960		6.81
	lb				*7540	*7540	*7100	5560	*4320	*4320		(22.4)
3.0 m (9.8 ft)	kg		*5510	*5510	*4340	3790	3680	2440	*1980	1770		7.30
	lb		*12150	*12150	*9570	8360	8110	5380	*4370	3900		(23.9)
1.5 m (4.9 ft)	kg		*8570	6470	*5510	3540	3560	2330	*2100	1680		7.44
	lb		*18890	14260	*12150	7800	7850	5140	*4630	3700		(24.4)
0.0 m (0.0 ft)	kg		*7920	6050	5340	3340	3460	2230	*2360	1690		7.28
	lb		*17460	13340	11770	7360	7630	4920	*5200	3730		(23.9)
-1.5 m (-4.9 ft)	kg	*4680	*4680	*9710	5950	5230	3250	3400	2180	2870	1850	6.78
	lb	*10320	*10320	*21410	13120	11530	7170	7500	4810	6330	4080	(22.3)
-3.0 m (-9.8 ft)	kg	*7710	*7710	*9300	6010	5240	3260			3550	2280	5.86
	lb	*17000	*17000	*20500	13250	11550	7190			7830	5030	(19.2)
-4.5 m (-14.8 ft)	kg			*6670	6230					*4510	3710	4.24
	lb			*14700	13730					*9940	8180	(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.

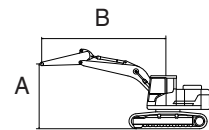
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.











▲ 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	
HX140 LT3	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2500	2300	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	2660	*2020	*2020	6.39
	lb					*8660	*8660	*7080	5860	*4450	*4450	(21.0)
3.0 m (9.8 ft)	kg		*6610	*6610	*4820	4000	3880	2600	*2010	*2010	6.90	
	lb		*14570	*14570	*10630	8820	8550	5730	*4430	*4430	(22.6)	
1.5 m (4.9 ft)	kg		*7930	6800	5870	3770	3780	2500	*2120	1970	7.06	
	lb		*17480	14990	12940	8310	8330	5510	*4670	4340	(23.2)	
0.0 m (0.0 ft)	kg		*6750	6520	5680	3610	3700	2430	*2380	2010	6.89	
	lb		*14880	14370	12520	7960	8160	5360	*5250	4430	(22.6)	
-1.5 m (-4.9 ft)	kg	*4910	*4910	*9970	6500	5620	3550	3670	2400	*2910	2230	6.36
	lb	*10820	*10820	*21980	14330	12390	7830	8090	5290	*6420	4920	(20.9)
-3.0 m (-9.8 ft)	kg	*8760	*8760	*8640	6600	5670	3600			*4220	2850	5.36
	lb	*19310	*19310	*19050	14550	12500	7940			*9300	6280	(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.

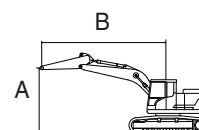
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.











▲ 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	
HX140 LT3	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	3000	2300	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	2710	*1960	*1960	6.81	
	lb				*7540	*7540	*7100	5970	*4320	*4320	(22.4)	
3.0 m (9.8 ft)	kg		*5510	*5510	*4340	4070	*3830	2630	*1980	1930	7.30	
	lb		*12150	*12150	*9570	8970	*8440	5800	*4370	4250	(23.9)	
1.5 m (4.9 ft)	kg		*8570	6960	*5510	3810	3800	2520	*2100	1820	7.44	
	lb		*18890	15340	*12150	8400	8380	5560	*4630	4010	(24.4)	
0.0 m (0.0 ft)	kg		*7920	6540	5690	3610	3690	2420	*2360	1850	7.28	
	lb		*17460	14420	12540	7960	8140	5340	*5200	4080	(23.9)	
-1.5 m (-4.9 ft)	kg	*4680	*4680	*9710	6430	5590	3520	3640	2370	*2870	2020	6.78
	lb	*10320	*10320	*21410	14180	12320	7760	8020	5220	*6330	4450	(22.3)
-3.0 m (-9.8 ft)	kg	*7710	*7710	*9300	6500	5600	3530			3800	2480	5.86
	lb	*17000	*17000	*20500	14330	12350	7780			8380	5470	(19.2)
-4.5 m (-14.8 ft)	kg			*6670	*6670					*4510	4010	4.24
	lb			*14700	*14700					*9940	8840	(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.

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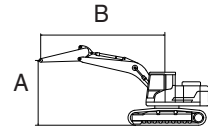
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## 2) HX140 LDT3

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX140 LDT3	MONO BOOM	4600	2500	1900	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	2870	*2020	*2020	6.39
	lb					*8660	*8660	*7080	6330	*4450	*4450	(21.0)
3.0 m (9.8 ft)	kg			*6610	*6610	*4820	4320	*4140	2800	*2010	*2010	6.90
	lb			*14570	*14570	*10630	9520	*9130	6170	*4430	*4430	(22.6)
1.5 m (4.9 ft)	kg			*7930	7510	*5900	4090	*4590	2700	*2120	*2120	7.06
	lb			*17480	16560	*13010	9020	*10120	5950	*4670	*4670	(23.2)
0.0 m (0.0 ft)	kg			*6750	*6750	*6630	3920	*4920	2630	*2380	2170	6.89
	lb			*14880	*14880	*14620	8640	*10850	5800	*5250	4780	(22.6)
-1.5 m (-4.9 ft)	kg	*4910	*4910	*9970	7200	*6700	3870	*4830	2600	*2910	2420	6.36
	lb	*10820	*10820	*21980	15870	*14770	8530	*10650	5730	*6420	5340	(20.9)
-3.0 m (-9.8 ft)	kg	*8760	*8760	*8640	7310	*5860	3910			*4220	3090	5.36
	lb	*19310	*19310	*19050	16120	*12920	8620			*9300	6810	(17.6)

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).
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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.

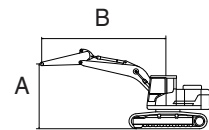
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.











▲ 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	
HX140 LDT3	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2500	1900	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					*3670	*3670			*2180	*2180	5.42
	lb					*8090	*8090			*4810	*4810	(17.8)
4.5 m (14.8 ft)	kg					*3930	*3930	*3210	2630	*2020	*2020	6.39
	lb					*8660	*8660	*7080	5800	*4450	*4450	(21.0)
3.0 m (9.8 ft)	kg			*6610	*6610	*4820	3950	3660	2570	*2010	*2010	6.90
	lb			*14570	*14570	*10630	8710	8070	5670	*4430	*4430	(22.6)
1.5 m (4.9 ft)	kg			*7930	6710	5530	3720	3550	2470	*2120	1950	7.06
	lb			*17480	14790	12190	8200	7830	5450	*4670	4300	(23.2)
0.0 m (0.0 ft)	kg			*6750	6440	5340	3560	3470	2400	*2380	1980	6.89
	lb			*14880	14200	11770	7850	7650	5290	*5250	4370	(22.6)
-1.5 m (-4.9 ft)	kg	*4910	*4910	*9970	6410	5280	3500	3450	2370	*2910	2210	6.36
	lb	*10820	*10820	*21980	14130	11640	7720	7610	5220	*6420	4870	(20.9)
-3.0 m (-9.8 ft)	kg	*8760	*8760	*8640	6520	5330	3550			4120	2820	5.36
	lb	*19310	*19310	*19050	14370	11750	7830			9080	6220	(17.6)

Note 1. Lifting capacity are based on ISO 10567.

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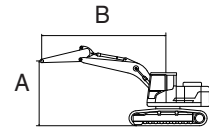
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


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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
HX140 LDT3	MONO BOOM	4600	3000	1900	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	2910 6420	*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	2830 6240	*1980 *4370	*1980 *4370	7.30 (23.9)
1.5 m (4.9 ft)	kg lb			*8570 *18890	7680 16930	*5510 *12150	4130 9110	*4350 *9590	2720 6000	*2100 *4630	1970 4340	7.44 (24.4)
0.0 m (0.0 ft)	kg lb			*7920 *17460	7240 15960	*6410 *14130	3930 8660	*4790 *10560	2620 5780	*2360 *5200	2000 4410	7.28 (23.9)
-1.5 m (-4.9 ft)	kg lb	*4680 *10320	*4680 *10320	*9710 *21410	7130 15720	*6710 *14790	3840 8470	*4900 *10800	2570 5670	*2870 *6330	2190 4830	6.78 (22.3)
-3.0 m (-9.8 ft)	kg lb	*7710 *17000	*7710 *17000	*9300 *20500	7200 15870	*6230 *13730	3850 8490			*4050 *8930	2690 5930	5.86 (19.2)
-4.5 m (-14.8 ft)	kg lb			*6670 *14700	*6670 *14700					*4510 *9940	4360 9610	4.24 (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).

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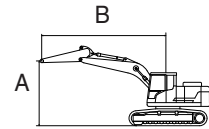
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


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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX140 LDT3	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	3000	1900	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	2680	*1960	*1960	6.81	
	lb				*7540	*7540	*7100	5910	*4320	*4320	(22.4)	
3.0 m (9.8 ft)	kg		*5510	*5510	*4340	4020	3690	2600	*1980	1900	7.30	
	lb		*12150	*12150	*9570	8860	8140	5730	*4370	4190	(23.9)	
1.5 m (4.9 ft)	kg		*8570	6870	*5510	3770	3570	2490	*2100	1800	7.44	
	lb		*18890	15150	*12150	8310	7870	5490	*4630	3970	(24.4)	
0.0 m (0.0 ft)	kg		*7920	6450	5350	3570	3470	2390	*2360	1820	7.28	
	lb		*17460	14220	11790	7870	7650	5270	*5200	4010	(23.9)	
-1.5 m (-4.9 ft)	kg	*4680	*4680	*9710	6350	5250	3480	3420	2340	*2870	1990	6.78
	lb	*10320	*10320	*21410	14000	11570	7670	7540	5160	*6330	4390	(22.3)
-3.0 m (-9.8 ft)	kg	*7710	*7710	*9300	6410	5260	3490			3570	2450	5.86
	lb	*17000	*17000	*20500	14130	11600	7690			7870	5400	(19.2)
-4.5 m (-14.8 ft)	kg			*6670	6640					*4510	3960	4.24
	lb			*14700	14640					*9940	8730	(13.9)

Note 1. Lifting capacity are based on ISO 10567.

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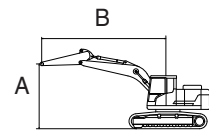
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









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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX140 LDT3	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2500	2300	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					*3,670 *8,090	*3,670 *8,090			*2,180 *4,810	*2,180 *4,810	5.42 (17.8)
4.5 m (14.8 ft)	kg lb					*3,930 *8,660	*3,930 *8,660	*3,210 *7,080	3,060 6,750	*2,020 *4,450	*2,020 *4,450	6.39 (21.0)
3.0 m (9.8 ft)	kg lb			*6,610 *14,570	*6,610 *14,570	*4,820 *10,630	4,610 10,160	*4,140 *9,130	3,000 6,610	*2,010 *4,430	*2,010 *4,430	6.90 (22.6)
1.5 m (4.9 ft)	kg lb			*7,930 *17,480	*7,930 *17,480	*5,900 *13,010	4,380 9,660	*4,590 *10,120	2,900 6,390	*2,120 *4,670	*2,120 *4,670	7.06 (23.2)
0.0 m (0.0 ft)	kg lb			*6,750 *14,880	*6,750 *14,880	*6,630 *14,620	4,210 9,280	*4,920 *10,850	2,830 6,240	*2,380 *5,250	2,340 5,160	6.89 (22.6)
-1.5 m (-4.9 ft)	kg lb	*4,910 *10,820	*4,910 *10,820	*9,970 *21,980	7,720 17,020	*6,700 *14,770	4,150 9,150	*4,830 *10,650	2,800 6,170	*2,910 *6,420	2,600 5,730	6.36 (20.9)
-3.0 m (-9.8 ft)	kg lb	*8,760 *19,310	*8,760 *19,310	*8,640 *19,050	7,830 17,260	*5,860 *12,920	4,200 9,260			*4,220 *9,300	3,320 7,320	5.36 (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.

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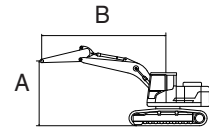
▲ Failure to comply to the rated load can cause serious injury, death, or property damage. Make adjustments to the rated load as necessary for non-standard configurations.













Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX140 LDT3	MONO BOOM	4600	2500	2300	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 lb					*3,670 *8,090	*3,670 *8,090			*2,180 *4,810	*2,180 *4,810	5.42 (17.8)
4.5 m (14.8 ft)	kg lb					*3,930 *8,660	*3,930 *8,660	*3,210 *7,080	2,820 6,220	*2,020 *4,450	*2,020 *4,450	6.39 (21.0)
3.0 m (9.8 ft)	kg lb			*6,610 *14,570	*6,610 *14,570	*4,820 *10,630	4,230 9,330	3,900 8,600	2,760 6,080	*2,010 *4,430	*2,010 *4,430	6.90 (22.6)
1.5 m (4.9 ft)	kg lb			*7,930 *17,480	7,200 15,870	5,880 12,960	4,000 8,820	3,790 8,360	2,660 5,860	*2,120 *4,670	2,100 4,630	7.06 (23.2)
0.0 m (0.0 ft)	kg lb			*6,750 *14,880	*6,750 *14,880	5,700 12,570	3,840 8,470	3,710 8,180	2,590 5,710	*2,380 *5,250	2,150 4,740	6.89 (22.6)
-1.5 m (-4.9 ft)	kg lb	*4,910 *10,820	*4,910 *10,820	*9,970 *21,980	6,900 15,210	5,630 12,410	3,780 8,330	3,680 8,110	2,560 5,640	*2,910 *6,420	2,380 5,250	6.36 (20.9)
-3.0 m (-9.8 ft)	kg lb	*8,760 *19,310	*8,760 *19,310	*8,640 *19,050	7,010 15,450	5,690 12,540	3,820 8,420			*4,220 *9,300	3,040 6,700	5.36 (17.6)

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.**

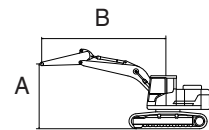
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


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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX140 LDT3	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	3000	2300	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									*2,440 *5,380	*2,440 *5,380	4.34 (14.2)
6.0 m (19.7 ft)	kg lb									*2,070 *4,560	*2,070 *4,560	5.91 (19.4)
4.5 m (14.8 ft)	kg lb					*3,420 *7,540	*3,420 *7,540	*3,220 *7,100	3,110 6,860	*1,960 *4,320	*1,960 *4,320	6.81 (22.4)
3.0 m (9.8 ft)	kg lb			*5,510 *12,150	*5,510 *12,150	*4,340 *9,570	*4,340 *9,570	*3,830 *8,440	3,030 6,680	*1,980 *4,370	*1,980 *4,370	7.30 (23.9)
1.5 m (4.9 ft)	kg lb			*8,570 *18,890	8,200 18,080	*5,510 *12,150	4,420 9,740	*4,350 *9,590	2,920 6,440	*2,100 *4,630	*2,100 *4,630	7.44 (24.4)
0.0 m (0.0 ft)	kg lb			*7,920 *17,460	7,760 17,110	*6,410 *14,130	4,220 9,300	*4,790 *10,560	2,820 6,220	*2,360 *5,200	2,150 4,740	7.28 (23.9)
-1.5 m (-4.9 ft)	kg lb	*4,680 *10,320	*4,680 *10,320	*9,710 *21,410	7,650 16,870	*6,710 *14,790	4,120 9,080	*4,900 *10,800	2,770 6,110	*2,870 *6,330	2,360 5,200	6.78 (22.3)
-3.0 m (-9.8 ft)	kg lb	*7,710 *17,000	*7,710 *17,000	*9,300 *20,500	7,720 17,020	*6,230 *13,730	4,140 9,130			*4,050 *8,930	2,890 6,370	5.86 (19.2)
-4.5 m (-14.8 ft)	kg lb			*6,670 *14,700	*6,670 *14,700					*4,510 *9,940	*4,510 *9,940	4.24 (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).

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

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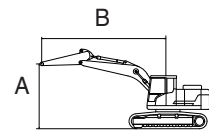
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▲ Failure to comply to the rated load can cause serious injury, death, or property damage. Make adjustments to the rated load as necessary for non-standard configurations.

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX140 LDT3	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	3000	2300	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 lb									*2,440 *5,380	*2,440 *5,380	4.34 (14.2)
6.0 m (19.7 ft)	kg lb									*2,070 *4,560	*2,070 *4,560	5.91 (19.4)
4.5 m (14.8 ft)	kg lb					*3,420 *7,540	*3,420 *7,540	*3,220 *7,100	2,870 6,330	*1,960 *4,320	*1,960 *4,320	6.81 (22.4)
3.0 m (9.8 ft)	kg lb			*5,510 *12,150	*5,510 *12,150	*4,340 *9,570	4,290 9,460	*3,830 *8,440	2,790 6,150	*1,980 *4,370	*1,980 *4,370	7.30 (23.9)
1.5 m (4.9 ft)	kg lb			*8,570 *18,890	7,360 16,230	*5,510 *12,150	4,040 8,910	3,810 8,400	2,680 5,910	*2,100 *4,630	1,950 4,300	7.44 (24.4)
0.0 m (0.0 ft)	kg lb			*7,920 *17,460	6,940 15,300	5,710 12,590	3,840 8,470	3,710 8,180	2,580 5,690	*2,360 *5,200	1,970 4,340	7.28 (23.9)
-1.5 m (-4.9 ft)	kg lb	*4,680 *10,320	*4,680 *10,320	*9,710 *21,410	6,830 15,060	5,600 12,350	3,750 8,270	3,650 8,050	2,530 5,580	*2,870 *6,330	2,160 4,760	6.78 (22.3)
-3.0 m (-9.8 ft)	kg lb	*7,710 *17,000	*7,710 *17,000	*9,300 *20,500	6,900 15,210	5,620 12,390	3,760 8,290			3,810 8,400	2,640 5,820	5.86 (19.2)
-4.5 m (-14.8 ft)	kg lb			*6,670 *14,700	*6,670 *14,700					*4,510 *9,940	4,250 9,370	4.24 (13.9)

Note 1. Lifting capacity are based on ISO 10567.

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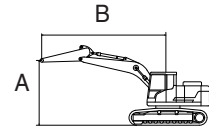
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




## 2) HX140 HWT3

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX140 HWT3	MONO BOOM	4600	2500	1900	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	3090	*2010	*2010		6.51
	lb				*8950	*8950	*7630	6810	*4430	*4430		(21.4)
3.0 m (9.8 ft)	kg		*7180	*7180	*5020	4600	*4220	3020	*2020	*2020		6.96
	lb		*15830	*15830	*11070	10140	*9300	6660	*4450	*4450		(22.8)
1.5 m (4.9 ft)	kg		*6940	*6940	*6080	4370	4370	2920	*2150	*2150		7.05
	lb		*15300	*15300	*13400	9630	9630	6440	*4740	*4740		(23.1)
0.0 m (0.0 ft)	kg		*7140	*7140	6580	4230	4300	2850	*2450	2400		6.82
	lb		*15740	*15740	14510	9330	9480	6280	*5400	5290		(22.4)
-1.5 m (-4.9 ft)	kg	*5530	*5530	*9910	7720	6540	4190	4290	2840	*3060	2720	6.22
	lb	*12190	*12190	*21850	17020	14420	9240	9460	6260	*6750	6000	(20.4)
-3.0 m (-9.8 ft)	kg			*8220	7850	*5530	4260			*4540	3600	5.11
	lb			*18120	17310	*12190	9390			*10010	7940	(16.8)

Note 1. Lifting capacity are based on ISO 10567.

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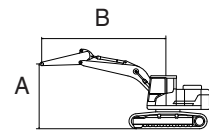
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








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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
HX140 HWT3	MONO BOOM	4600	3000	1900	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					*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	3130	*1950	*1950	6.93
	lb					*7830	*7830	*7410	6900	*4300	*4300	(22.7)
3.0 m (9.8 ft)	kg			*6080	*6080	*4550	*4550	*3920	3040	*1990	*1990	7.35
	lb			*13400	*13400	*10030	*10030	*8640	6700	*4390	*4390	(24.1)
1.5 m (4.9 ft)	kg			*9020	8060	*5710	4410	4390	2930	*2140	*2140	7.44
	lb			*19890	17770	*12590	9720	9680	6460	*4720	*4720	(24.4)
0.0 m (0.0 ft)	kg			*8000	7710	*6520	4230	4290	2840	*2430	2210	7.22
	lb			*17640	17000	*14370	9330	9460	6260	*5360	4870	(23.7)
-1.5 m (-4.9 ft)	kg	*5170	*5170	*10210	7640	6500	4150	4250	2810	*3010	2450	6.65
	lb	*11400	*11400	*22510	16840	14330	9150	9370	6190	*6640	5400	(21.8)
-3.0 m (-9.8 ft)	kg	*8400	*8400	*8970	7730	*6030	4180			*4450	3100	5.63
	lb	*18520	*18520	*19780	17040	*13290	9220			*9810	6830	(18.5)

Note 1. Lifting capacity are based on ISO 10567.

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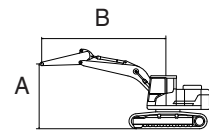
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








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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX140 HWT3	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2500	2300	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									*2580 *5690	*2580 *5690	4.06 (13.3)
6.0 m (19.7 ft)	kg lb					*3660 *8070	*3660 *8070			*2130 *4700	*2130 *4700	5.64 (18.5)
4.5 m (14.8 ft)	kg lb					*4060 *8950	*4060 *8950	*3460 *7630	3290 7250	*2010 *4430	*2010 *4430	6.51 (21.4)
3.0 m (9.8 ft)	kg lb			*7180 *15830	*7180 *15830	*5020 *11070	4880 10760	*4220 *9300	3210 7080	*2020 *4450	*2020 *4450	6.96 (22.8)
1.5 m (4.9 ft)	kg lb			*6940 *15300	*6940 *15300	*6080 *13400	4650 10250	4610 10160	3120 6880	*2150 *4740	*2150 *4740	7.05 (23.1)
0.0 m (0.0 ft)	kg lb			*7140 *15740	*7140 *15740	*6690 *14750	4510 9940	4540 10010	3050 6720	*2450 *5400	*2450 *5400	6.82 (22.4)
-1.5 m (-4.9 ft)	kg lb	*5530 *12190	*5530 *12190	*9910 *21850	8220 18120	*6620 *14590	4470 9850	4520 9960	3040 6700	*3060 *6750	2910 6420	6.22 (20.4)
-3.0 m (-9.8 ft)	kg lb			*8220 *18120	*8220 *18120	*5530 *12190	4540 10010			*4540 *10010	3840 8470	5.11 (16.8)

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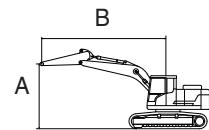
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.











▲ 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	
HX140 HWT3	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	3000	2300	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	3330 7340	*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	3240 7140	*1990 *4390	*1990 *4390	7.35 (24.1)
1.5 m (4.9 ft)	kg lb			*9020 *19890	8560 18870	*5710 *12590	4690 10340	*4440 *9790	3130 6900	*2140 *4720	*2140 *4720	7.44 (24.4)
0.0 m (0.0 ft)	kg lb			*8000 *17640	*8000 *17640	*6520 *14370	4510 9940	4530 9990	3040 6700	*2430 *5360	2360 5200	7.22 (23.7)
-1.5 m (-4.9 ft)	kg lb	*5170 *11400	*5170 *11400	*10210 *22510	8140 17950	*6690 *14750	4430 9770	4490 9900	3000 6610	*3010 *6640	2630 5800	6.65 (21.8)
-3.0 m (-9.8 ft)	kg lb	*8400 *18520	*8400 *18520	*8970 *19780	8230 18140	*6030 *13290	4460 9830			*4450 *9810	3310 7300	5.63 (18.5)

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.

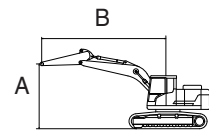
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








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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX140 HWT3	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2500	1900	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	3050	*2010	*2010		6.51
	lb				*8950	*8950	*7630	6720	*4430	*4430		(21.4)
3.0 m (9.8 ft)	kg		*7180	*7180	*5020	4540	*4220	2980	*2020	*2020		6.96
	lb		*15830	*15830	*11070	10010	*9300	6570	*4450	*4450		(22.8)
1.5 m (4.9 ft)	kg		*6940	*6940	*6080	4310	4310	2880	*2150	*2150		7.05
	lb		*15300	*15300	*13400	9500	9500	6350	*4740	*4740		(23.1)
0.0 m (0.0 ft)	kg		*7140	*7140	6490	4170	4240	2810	*2450	2370		6.82
	lb		*15740	*15740	14310	9190	9350	6190	*5400	5220		(22.4)
-1.5 m (-4.9 ft)	kg	*5530	*5530	*9910	7610	6450	4130	4230	2800	*3060	2680	6.22
	lb	*12190	*12190	*21850	16780	14220	9110	9330	6170	*6750	5910	(20.4)
-3.0 m (-9.8 ft)	kg		*8220	7750	*5530	4200				*4540	3550	5.11
	lb		*18120	17090	*12190	9260				*10010	7830	(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.

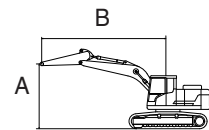
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX140 HWT3	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	3000	1900	700	-	-	-	-	-

·  : 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					*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	3090	*1950	*1950	6.93
	lb					*7830	*7830	*7410	6810	*4300	*4300	(22.7)
3.0 m (9.8 ft)	kg			*6080	*6080	*4550	*4550	*3920	3000	*1990	*1990	7.35
	lb			*13400	*13400	*10030	*10030	*8640	6610	*4390	*4390	(24.1)
1.5 m (4.9 ft)	kg			*9020	7960	*5710	4350	4330	2890	*2140	2120	7.44
	lb			*19890	17550	*12590	9590	9550	6370	*4720	4670	(24.4)
0.0 m (0.0 ft)	kg			*8000	7600	6500	4170	4230	2800	*2430	2180	7.22
	lb			*17640	16760	14330	9190	9330	6170	*5360	4810	(23.7)
-1.5 m (-4.9 ft)	kg	*5170	*5170	*10210	7540	6410	4090	4190	2770	*3010	2420	6.65
	lb	*11400	*11400	*22510	16620	14130	9020	9240	6110	*6640	5340	(21.8)
-3.0 m (-9.8 ft)	kg	*8400	*8400	*8970	7630	*6030	4130			*4450	3060	5.63
	lb	*18520	*18520	*19780	16820	*13290	9110			*9810	6750	(18.5)

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).

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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.

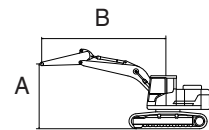
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








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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX140 HWT3	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2500	2300	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	3250	*2010	*2010		6.51
	lb				*8950	*8950	*7630	7170	*4430	*4430		(21.4)
3.0 m (9.8 ft)	kg		*7180	*7180	*5020	4820	*4220	3170	*2020	*2020		6.96
	lb		*15830	*15830	*11070	10630	*9300	6990	*4450	*4450		(22.8)
1.5 m (4.9 ft)	kg		*6940	*6940	*6080	4590	4550	3080	*2150	*2150		7.05
	lb		*15300	*15300	*13400	10120	10030	6790	*4740	*4740		(23.1)
0.0 m (0.0 ft)	kg		*7140	*7140	*6690	4450	4470	3010	*2450	*2450		6.82
	lb		*15740	*15740	*14750	9810	9850	6640	*5400	*5400		(22.4)
-1.5 m (-4.9 ft)	kg	*5530	*5530	*9910	8120	*6620	4410	4460	3000	*3060	2870	6.22
	lb	*12190	*12190	*21850	17900	*14590	9720	9830	6610	*6750	6330	(20.4)
-3.0 m (-9.8 ft)	kg		*8220	*8220	*5530	4480				*4540	3790	5.11
	lb		*18120	*18120	*12190	9880				*10010	8360	(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.

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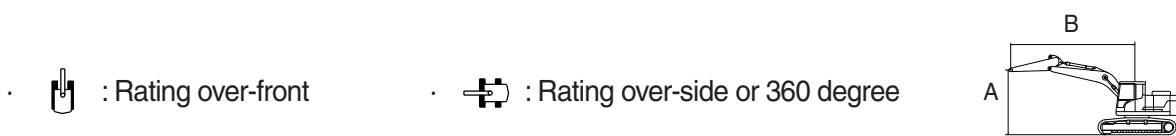
Lifting capacities will vary with different work tools, ground conditions and attachments.











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	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX140 HWT3	MONO BOOM	4600	3000	2300	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	3290	*1950	*1950	6.93
	lb					*7830	*7830	*7410	7250	*4300	*4300	(22.7)
3.0 m (9.8 ft)	kg			*6080	*6080	*4550	*4550	*3920	3200	*1990	*1990	7.35
	lb			*13400	*13400	*10030	*10030	*8640	7050	*4390	*4390	(24.1)
1.5 m (4.9 ft)	kg			*9020	8460	*5710	4630	*4440	3090	*2140	*2140	7.44
	lb			*19890	18650	*12590	10210	*9790	6810	*4720	*4720	(24.4)
0.0 m (0.0 ft)	kg			*8000	*8000	*6520	4450	4470	3000	*2430	2330	7.22
	lb			*17640	*17640	*14370	9810	9850	6610	*5360	5140	(23.7)
-1.5 m (-4.9 ft)	kg	*5170	*5170	*10210	8040	*6690	4370	4430	2960	*3010	2590	6.65
	lb	*11400	*11400	*22510	17730	*14750	9630	9770	6530	*6640	5710	(21.8)
-3.0 m (-9.8 ft)	kg	*8400	*8400	*8970	8130	*6030	4410			*4450	3270	5.63
	lb	*18520	*18520	*19780	17920	*13290	9720			*9810	7210	(18.5)

- Note
- 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.

## 6. BUCKET SELECTION GUIDE



General bucket

Type	Counterweight					1900 kg		2300 kg		
	Capacity		Width		Weight	Tooth	MONO			
	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	2.5 m (8' 2") Arm	3.0 m (9' 10") Arm	2.5 m (8' 2") Arm	3.0 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	●	◐	●	●
	0.76 (0.99)	0.65 (0.85)	1215 (47.8")	1345 (53.0")	490 (1080)	6	■	■	◐	■

●	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")	700	(28")	800
HX140 LT3	Operating weight	kg	(lb)	14110	31110	14325	31580	14535	32040	-	-	-	-
	Ground pressure	kgf/cm <sup>2</sup>	(psi)	0.44	(6.3)	0.37	(5.3)	0.32	(4.6)	-	-	-	-
	Overall width	mm		2490	(8' 2")	2590	(8' 6")	2690	(8' 10")	-	-	-	-
	Link quantity	EA		46		46		46		-		-	
HX140 LDT3	Operating weight	kg	(lb)	15015	33100	15230	33580	15440	34040	-	-	-	-
	Ground pressure	kgf/cm <sup>2</sup>	(psi)	0.46	(6.5)	0.39	(5.6)	0.34	(4.8)	-	-	-	-
	Overall width	mm		2490	(8' 2")	2590	(8' 6")	2690	(8' 10")	-	-	-	-
	Link quantity	EA		46		46		46		-		-	
HX140 HWT3	Operating weight	kg	(lb)	-	-	-	-	-	-	17085	37670	17320	38180
	Ground pressure	kgf/cm <sup>2</sup>	(psi)	-	-	-	-	-	-	0.37	(5.3)	0.33	(4.7)
	Overall width	mm		-	-	-	-	-	-	2740	(9' 0")	2840	(9' 4")
	Link quantity	EA		-		-		-		47		47	

## 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
HX140 LT3 HX140 LDT3	500 mm triple grouser	Option	A
	600 mm triple grouser	Standard	B
	700 mm triple grouser	Option	C
HX140 HWT3	700 mm triple grouser	Option	C
	800 mm triple grouser	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 / QSB4.5
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	107 × 124 mm (4.21" × 4.88")
Displacement	4.5 ℓ (275 cu in)
Compression ratio	17.2 : 1
Gross power	130 Hp (97 kW) at 2000 rpm
Net power	127 Hp (95 kW) at 2000 rpm
Max. power	135 Hp (101 kW) at 1800 rpm
Peak Torque	620 N · m (457 lbf · ft) at 1500 rpm
Engine oil quantity	11 ℓ (2.9 U.S. gal)
Wet weight	371 kg (818 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 × 72.9 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 × 131 ℓ/min (34.6 U.S. gpm / 28.8 U.K. gpm)
Rated speed	1800 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	27 ℓ /min (7.1 U.S. gpm/5.9 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) [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)

[ ] : Power boost

### 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 (4630 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
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	11 (2.9)	★SAE 0W-40									
			SAE 5W-40									
			SAE 15W-40									
Swing drive	Gear oil	3.5 (0.9)	★SAE 75W-90									
Final drive		2.3x2 (0.6x2)	SAE 80W-90									
Hydraulic tank	Hydraulic oil	Tank 120 (31.7)	★ISO VG 15									
		System 210 (55.5)	ISO VG 32									
			ISO VG 68									
Fuel tank	Diesel fuel	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>1</sup>	23 (6.1)	Ethylene glycol base permanent type (50 : 50)									
			★Ethylene glycol base permanent type (60 : 40)									

**SAE** : Society of Automotive Engineers

★ : Cold region (Russia, CIS, Mongolia)

**API** : American Petroleum Institute

★<sup>1</sup> : Soft water

**ISO** : International Organization for Standardization

City water or distilled water

**NLGI** : National Lubricating Grease Institute

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

※ 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.

※ 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.