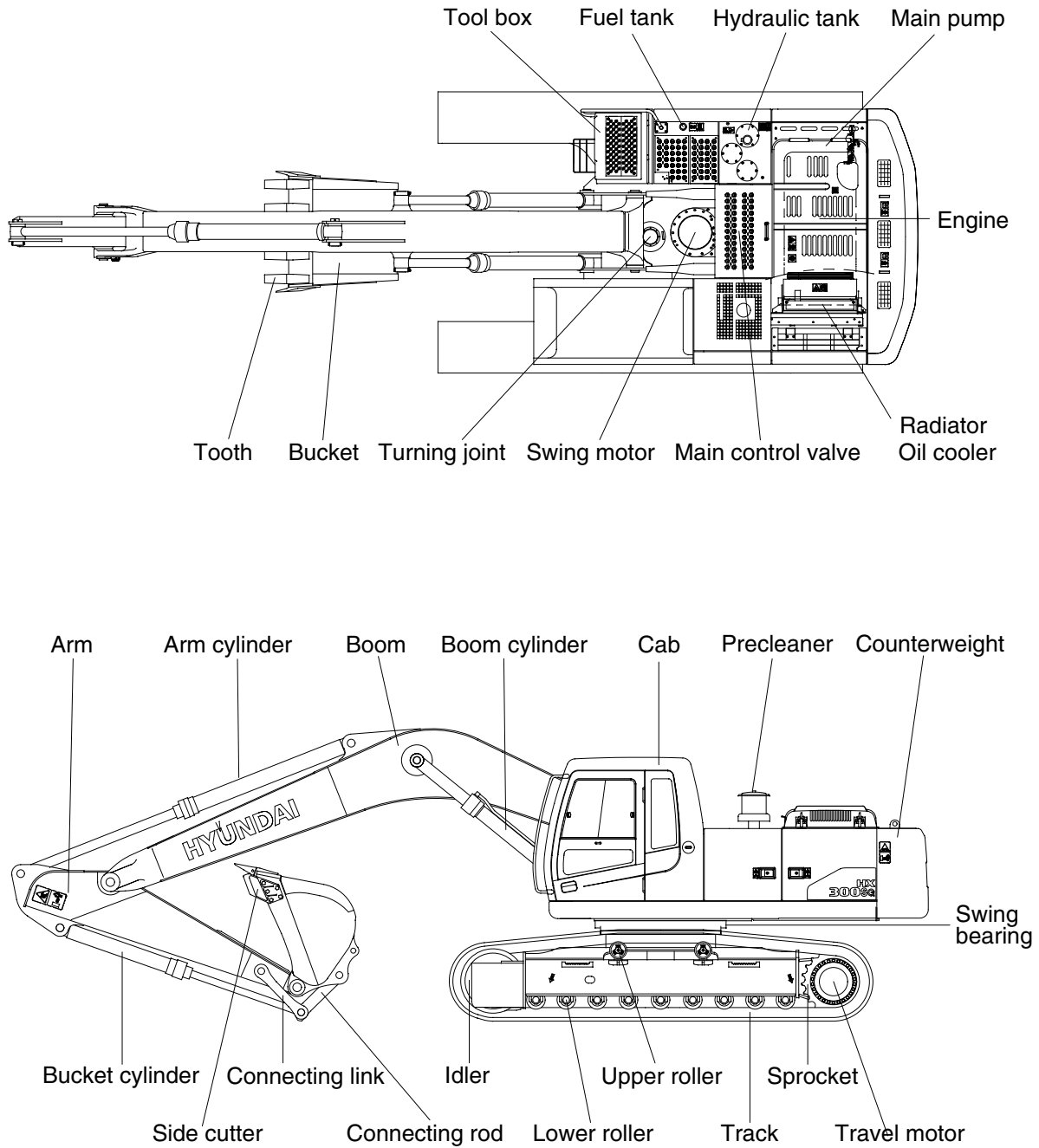


# SPECIFICATIONS

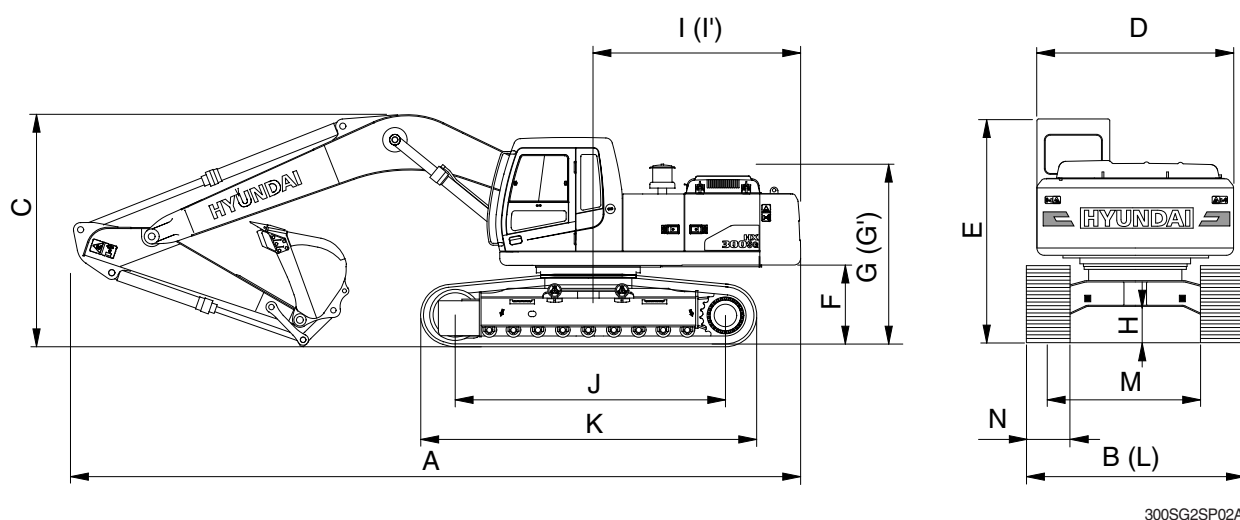
## 1. MAJOR COMPONENT



300SG2SP01

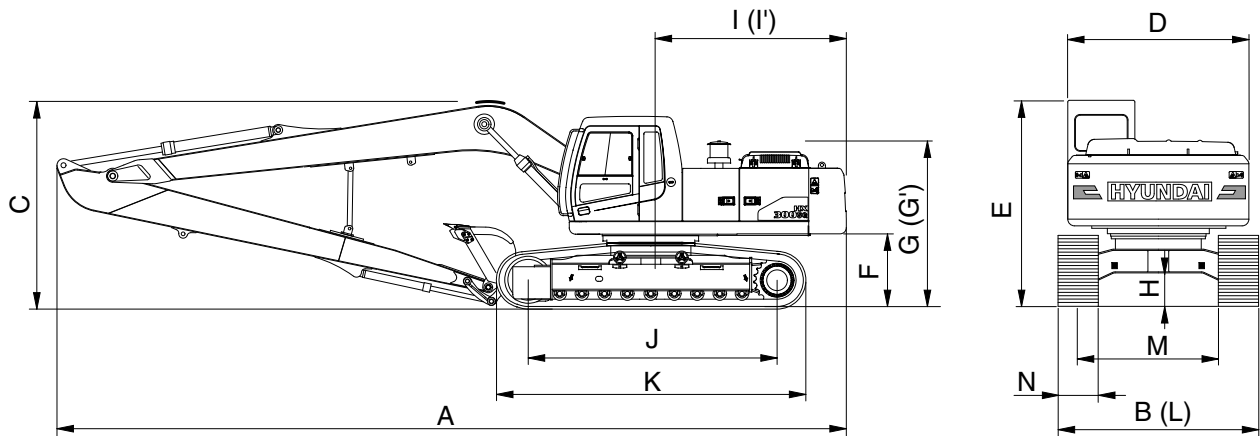
## 2. SPECIFICATIONS

### 1) HX300SG, MONO BOOM



Description		Unit		Specification			
		m (ft-in)	Boom	6.25 (20' 6")			
			Arm	3.05 (10' 0")	2.10 (6' 11")	2.50 (8' 2")	3.75 (12' 4")
		mm (in)	Shoe	600 (24")	600 (24")	600 (24")	600 (24")
Operating weight		kg (lb)		29540 (65125)	29340 (64684)	29530 (65103)	29850 (65808)
Bucket capacity (SAE heaped), standard		m <sup>3</sup> (yd <sup>3</sup> )		1.27 (1.66)	1.27 (1.66)	1.27 (1.66)	1.27 (1.66)
Overall length	A	mm (ft-in)		10590 (34' 9")	10750 (35' 3")	10700 (35' 1")	10670 (35' 0")
Overall width	B			3200 (10' 6")	3200 (10' 6")	3200 (10' 6")	3200 (10' 6")
Overall height of boom	C			3330 (10' 11")	3660 (12' 0")	3520 (11' 7")	3530 (11' 7")
Superstructure width	D			2980 (9' 9")	2980 (9' 9")	2980 (9' 9")	2980 (9' 9")
Overall height of cab	E			3100 (10' 2")	3100 (10' 2")	3100 (10' 2")	3100 (10' 2")
Ground clearance of counterweight	F			1190 (3' 11")	1190 (3' 11")	1190 (3' 11")	1190 (3' 11")
Overall height of engine hood	G			3190 (10' 6")	3190 (10' 6")	3190 (10' 6")	3190 (10' 6")
Overall height of handrail	G'			3100 (10' 2")	3100 (10' 2")	3100 (10' 2")	3100 (10' 2")
Minimum ground clearance	H			500 (1' 8")	500 (1' 8")	500 (1' 8")	500 (1' 8")
Rear-end distance	I			3120 (10' 3")	3120 (10' 3")	3120 (10' 3")	3120 (10' 3")
Rear-end swing radius	I'			3200 (10' 6")	3200 (10' 6")	3200 (10' 6")	3200 (10' 6")
Distance between tumblers	J			4030 (13' 3")	4030 (13' 3")	4030 (13' 3")	4030 (13' 3")
Undercarriage length	K			4940 (16' 2")	4940 (16' 2")	4940 (16' 2")	4940 (16' 2")
Undercarriage width	L			3200 (10' 6")	3200 (10' 6")	3200 (10' 6")	3200 (10' 6")
Track gauge	M			2600 (8' 6")	2600 (8' 6")	2600 (8' 6")	2600 (8' 6")
Track shoe width, standard	N			600 (2' 0")	600 (2' 0")	600 (2' 0")	600 (2' 0")
Travel speed (low/high)		km/hr (mph)		3.2/5.7 (2.0/3.5)	3.2/5.7 (2.0/3.5)	3.2/5.7 (2.0/3.5)	3.2/5.7 (2.0/3.5)
Swing speed		rpm		11.1	11.1	11.1	11.1
Gradeability		Degree (%)		35 (70)	35 (70)	35 (70)	35 (70)
Ground pressure		kgf/cm <sup>2</sup> (psi)		0.57 (8.11)	0.57 (8.11)	0.57 (8.11)	0.57 (8.11)
Maximum traction force		kgf (lbf)		25800 (56880)	25800 (56880)	25800 (56880)	25800 (56880)

## 2) HX300SG, LONG REACH

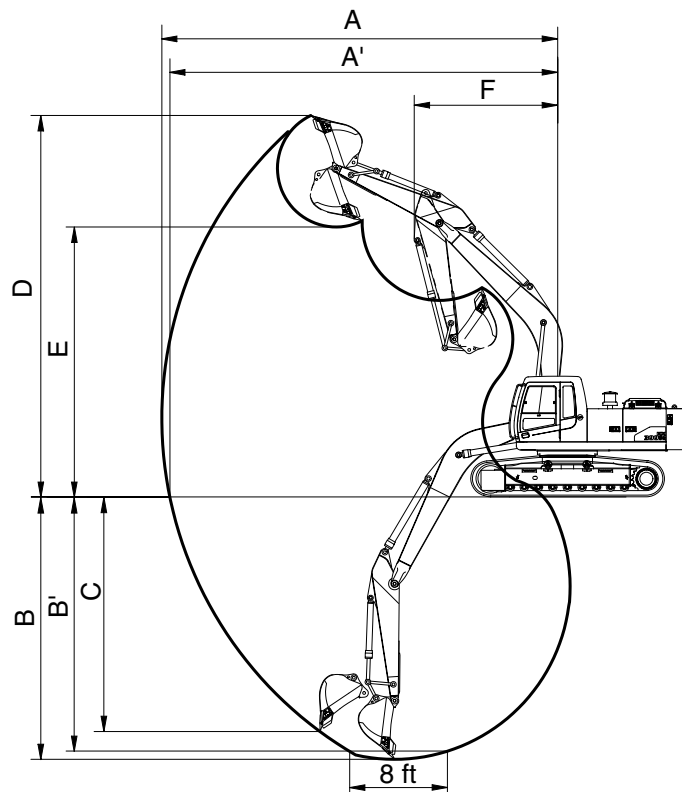


300SG2SP03A

Description	Unit		Specification
	m (ft-in)	Boom	
		Arm	
	mm (in)	Shoe	
Operating weight	kg (lb)		32610 (71893)
Bucket capacity (SAE heaped), standard	m <sup>3</sup> (yd <sup>3</sup> )		0.52 (0.68)
Overall length	A	mm (ft-in)	14550 (47' 9")
Overall width	B		3400 (11' 2")
Overall height of boom	C		3550 (11' 8")
Superstructure width	D		2980 (9' 9")
Overall height of cab	E		3100 (10' 2")
Ground clearance of counterweight	F		1190 (3' 11")
Overall height of engine hood	G		3190 (10' 6")
Overall height of handrail	G'		3100 (10' 2")
Minimum ground clearance	H		500 (1' 8")
Rear-end distance	I		3120 (10' 3")
Rear-end swing radius	I'		3200 (10' 6")
Distance between tumblers	J		4030 (13' 3")
Undercarriage length	K		4940 (16' 2")
Undercarriage width	L		3200 (10' 6")
Track gauge	M		2600 (8' 6")
Track shoe width, standard	N		800 (2' 7")
Travel speed (low/high)	km/hr (mph)		3.2/5.7 (2.0/3.5)
Swing speed	rpm		11.1
Gradeability	Degree (%)		35 (70)
Ground pressure	kgf/cm <sup>2</sup> (psi)		0.47 (6.68)
Maximum traction force	kgf (lbf)		25800 (56880)

### 3. WORKING RANGE AND DIGGING FORCE

#### 1) HX300SG, MONO BOOM

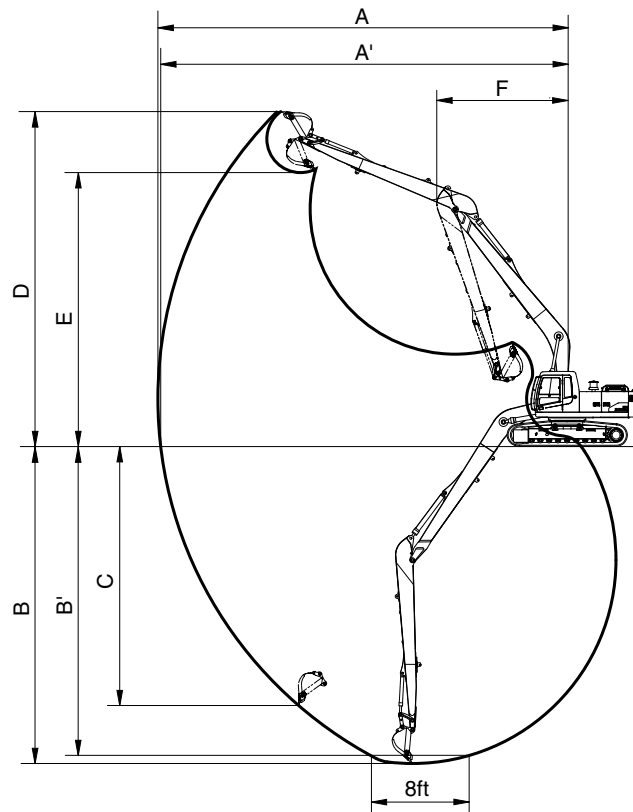


300SG2SP04

Description	m (ft-in)	Boom	6.25 (20' 6")			
		Arm	3.05 (10' 0")	2.10 (6' 11")	2.50 (8' 2")	3.75 (12' 4")
Max digging reach	mm (ft-in)	A	10810 (35' 6")	10040 (32' 11")	10310 (33' 10")	11420 (37' 6")
Max digging reach on ground		A'	10610 (34' 10")	9820 (32' 3")	10100 (33' 2")	11230 (36' 10")
Max digging depth		B	7330 (24' 1")	6380 (20' 11")	6780 (22' 3")	8030 (26' 4")
Max digging depth (8 ft level)		B'	7170 (23' 6")	6180 (20' 3")	6600 (21' 8")	7890 (25' 11")
Max vertical wall digging depth		C	6280 (20' 7")	5910 (19' 5")	5760 (18' 11")	6990 (22' 11")
Max digging height		D	10200 (33' 6")	10130 (33' 3")	9980 (32' 9")	10410 (34' 2")
Max dumping height		E	7150 (23' 5")	6990 (22' 11")	6930 (22' 9")	7360 (24' 2")
Min swing radius		F	4270 (14' 0")	4420 (14' 6")	4320 (14' 2")	4220 (13' 10")
Bucket digging force	kN	SAE	169 [184]	169 [184]	169 [184]	169 [184]
	kgf		17200 [18760]	17200 [18760]	17200 [18760]	17200 [18760]
	lbf		37920 [41370]	37920 [41370]	37920 [41370]	37920 [41370]
	kN	ISO	192 [210]	192 [210]	192 [210]	192 [210]
	kgf		19600 [21380]	19600 [21380]	19600 [21380]	19600 [21380]
	lbf		43210 [47140]	43210 [47140]	43210 [47140]	43210 [47140]
Arm digging force	kN	SAE	124 [135]	170 [185]	147 [161]	109 [119]
	kgf		12600 [13750]	17300 [18870]	15000 [16360]	11100 [12110]
	lbf		27780 [30310]	38140 [41610]	33070 [36080]	24470 [26690]
	kN	ISO	129 [140]	178 [194]	154 [168]	112 [122]
	kgf		13100 [14290]	18100 [19750]	15700 [17130]	11400 [12440]
	lbf		28880 [31510]	39900 [43530]	34610 [37760]	25130 [27410]

[ ] : Power boost

## 2) HX300SG, LONG REACH



300SG2SP05

Description	m (ft-in)	Boom	10.2 (33' 6")
		Arm	7.85 (25' 9")
Max digging reach	mm (ft-in)	A	18530 (60' 10")
Max digging reach on ground		A'	18410 (60' 5")
Max digging depth		B	14740 (48' 4")
Max digging depth (8 ft level)		B'	14660 (48' 1")
Max vertical wall digging depth		C	13700 (44' 11")
Max digging height		D	14590 (47' 10")
Max dumping height		E	12270 (40' 3")
Min swing radius		F	6270 (20' 7")
Bucket digging force	kN	SAE	70 [76]
	kgf		7100 [7750]
	lbf		15650 [17090]
	kN	ISO	80 [88]
	kgf		8200 [8950]
	lbf		18080 [19730]
Arm digging force	kN	SAE	43 [47]
	kgf		4420 [4820]
	lbf		9740 [10630]
	kN	ISO	44 [48]
	kgf		4500 [4910]
	lbf		9920 [10830]

[ ] : Power boost

## 4. WEIGHT

Item	HX300SG		HX300SG Long reach	
	kg	lb	kg	lb
Upperstructure assembly				
· Main frame weld assembly	2361	5210	2361	5210
· Engine assembly	485	1069	485	1069
· Main pump assembly	133	293	133	293
· Main control valve assembly	230	507	230	507
· Swing motor assembly	408	900	408	900
· Hydraulic oil tank assembly	224	494	224	494
· Fuel tank assembly	275	606	275	606
· Counterweight	5200	11460	7000	15450
· Cab assembly	310	680	310	680
Lower chassis assembly				
· Track frame weld assembly	3765	8300	3765	8300
· Swing bearing	433	950	433	950
· Travel motor assembly	433	950	433	950
· Turning joint	38	84	38	84
· Sprocket (2 EA)	141	311	141	311
· Track recoil spring (2 EA)	450	992	450	992
· Idler (2 EA)	500	1102	500	1102
· Upper roller (4 EA)	140	309	140	309
· Lower roller (18 EA)	972	2143	972	2143
· Track-chain assembly (600 mm triple grouser shoe) (2 EA)	3758	8285	-	-
· Track-chain assembly (800 mm triple grouser shoe) (2 EA)	3758	8285	4706	10375
Front attachment assembly				
· 6.25 m boom assembly	2200	4860	-	-
· 3.05 m arm assembly	1025	2260	-	-
· 1.27 m³ SAE heaped bucket	1010	2230	-	-
· 10.2 m boom assembly	-	-	2960	6530
· 7.85 m arm assembly	-	-	1340	2960
· 0.52 m³ SAE heaped bucket	-	-	460	1010
· Boom cylinder assembly	263	580	263	580
· Arm cylinder assembly	368	811	368	811
· 1.27 m³ bucket cylinder assembly	224	494	-	-
· 0.52 m³ bucket cylinder assembly	-	-	103	227
· Bucket control linkage total	112	248	112	248

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

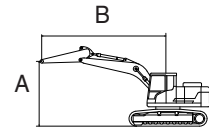
※ Refer to Transportation for actual weight information and Specifications for operating weight.











## 5. LIFTING CAPACITIES

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX300SG	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6250	2100	5200	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)		7.5 m (24.6 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb					*7150 *15760	*7150 *15760			*7350 *16200	7030 15500	6.40 (21.0)
6.0 m (19.7 ft)	kg lb					*7360 *16230	*7360 *16230			*7240 *15960	5430 11970	7.44 (24.4)
4.5 m (14.8 ft)	kg lb					*8330 *18360	7420 16360	*7370 *16250	5280 11640	7290 16070	4670 10300	8.06 (26.5)
3.0 m (9.8 ft)	kg lb					*9550 *21050	7010 15450	*7900 *17420	5100 11240	6770 14930	4310 9500	8.37 (27.5)
1.5 m (4.9 ft)	kg lb					*10560 *23280	6700 14770	7850 17310	4940 10890	6640 14640	4210 9280	8.40 (27.6)
0.0 m (0.0 ft)	kg lb					10810 23830	6550 14440	7750 17090	4840 10670	6890 15190	4350 9590	8.16 (26.8)
-1.5 m (-4.9 ft)	kg lb			*14440 *31830	9990 22020	10800 23810	6540 14420	7780 17150	4870 10740	7650 16870	4800 10580	7.60 (24.9)
-3.0 m (-9.8 ft)	kg lb	*17130 *37770	*17130 *37770	*13040 *28750	10180 22440	*9850 *21720	6690 14750			*8410 *18540	5860 12920	6.66 (21.9)
-4.5 m (-14.8 ft)	kg lb			*9810 *21630	*9810 *21630					*8120 *17900	*8120 *17900	5.12 (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.

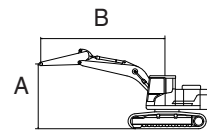
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.











▲ 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	
HX300SG	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6250	2500	5200	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)		7.5 m (24.6 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg					*6510	*6510			*6350	*6350	6.74
	lb					*14350	*14350			*14000	*14000	(22.1)
6.0 m (19.7 ft)	kg					*6870	*6870	*6670	5440	*6040	5140	7.74
	lb					*15150	*15150	*14700	11990	*13320	11330	(25.4)
4.5 m (14.8 ft)	kg			*9930	*9930	*7880	7490	*6990	5310	*6030	4450	8.34
	lb			*21890	*21890	*17370	16510	*15410	11710	*13290	9810	(27.4)
3.0 m (9.8 ft)	kg			*12770	10610	*9150	7060	*7600	5110	*6240	4110	8.64
	lb			*28150	23390	*20170	15560	*16760	11270	*13760	9060	(28.3)
1.5 m (4.9 ft)	kg					*10270	6710	7850	4920	6320	4000	8.67
	lb					*22640	14790	17310	10850	13930	8820	(28.4)
0.0 m (0.0 ft)	kg			*15040	9840	10790	6520	7710	4800	6530	4110	8.43
	lb			*33160	21690	23790	14370	17000	10580	14400	9060	(27.7)
-1.5 m (-4.9 ft)	kg	*10480	*10480	*14670	9870	10730	6470	7690	4790	7170	4490	7.89
	lb	*23100	*23100	*32340	21760	23660	14260	16950	10560	15810	9900	(25.9)
-3.0 m (-9.8 ft)	kg	*18430	*18430	*13520	10030	*10200	6570			*8350	5380	6.99
	lb	*40630	*40630	*29810	22110	*22490	14480			*18410	11860	(22.9)
-4.5 m (-14.8 ft)	kg	*14820	*14820	*10960	10410					*8540	7690	5.55
	lb	*32670	*32670	*24160	22950					*18830	16950	(18.2)

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.

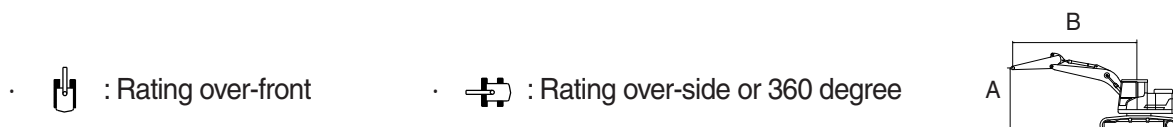
The difference between the weight of a work tool attachment must be subtracted.













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	
HX300SG	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6250	3050	5200	600	-	-	-	-	-



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)		7.5 m (24.6 ft)		9.0 m (29.5 ft)		Capacity		Reach
														m (ft)
7.5 m (24.6 ft)	kg lb											*4120 *9080	*4120 *9080	7.38 (24.2)
6.0 m (19.7 ft)	kg lb							*6020 *13270	5510 12150			*3940 *8690	*3940 *8690	8.30 (27.2)
4.5 m (14.8 ft)	kg lb			*8800 *19400	*8800 *19400	*7220 *15920	*7220 *15920	*6480 *14290	5350 11790			*3930 *8660	*3930 *8660	8.86 (29.1)
3.0 m (9.8 ft)	kg lb			*11640 *25660	10880 23990	*8560 *18870	7140 15740	*7170 *15810	5130 11310	*5140 *11330	3850 8490	*4060 *8950	3740 8250	9.14 (30.0)
1.5 m (4.9 ft)	kg lb			*13860 *30560	10120 22310	*9800 *21610	6740 14860	7840 17280	4910 10820	*5800 *12790	3750 8270	*4340 *9570	3640 8020	9.17 (30.1)
0.0 m (0.0 ft)	kg lb			*14820 *32670	9790 21580	*10630 *23440	6490 14310	7670 16910	4760 10490			*4830 *10650	3720 8200	8.94 (29.3)
-1.5 m (-4.9 ft)	kg lb	*10440 *23020	*10440 *23020	*14830 *32690	9740 21470	10650 23480	6390 14090	7600 16760	4690 10340			*5670 *12500	4010 8840	8.44 (27.7)
-3.0 m (-9.8 ft)	kg lb	*16850 *37150	*16850 *37150	*14030 *30930	9850 21720	*10490 *23130	6430 14180	7680 16930	4760 10490			*7280 *16050	4680 10320	7.61 (25.0)
-4.5 m (-14.8 ft)	kg lb	*16800 *37040	*16800 *37040	*12100 *26680	10140 22350	*8850 *19510	6670 14700					*8160 *17990	6240 13760	6.32 (20.7)

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.

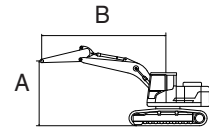
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.















▲ 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	
HX300SG	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6250	3750	5200	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)		7.5 m (24.6 ft)		9.0 m (29.5 ft)		Capacity		Reach
																m (ft)
9.0 m (29.5 ft)	kg lb													*3570 *7870	*3570 *7870	6.87 (22.6)
7.5 m (24.6 ft)	kg lb									*4790 *10560	*4790 *10560			*3260 *7190	*3260 *7190	8.14 (26.7)
6.0 m (19.7 ft)	kg lb									*5290 *11660	*5290 *11660			*3140 *6920	*3140 *6920	8.97 (29.4)
4.5 m (14.8 ft)	kg lb							*6340 *13980	*6340 *13980	*5830 *12850	5430 11970	*4900 *10800	3990 8800	*3140 *6920	*3140 *6920	9.50 (31.2)
3.0 m (9.8 ft)	kg lb					*10190 *22470	*10190 *22470	*7750 *17090	7280 16050	*6590 *14530	5180 11420	*5990 *13210	3860 8510	*3250 *7170	*3250 *7170	9.76 (32.0)
1.5 m (4.9 ft)	kg lb					*12770 *28150	10320 22750	*9140 *20150	6820 15040	*7380 *16270	4920 10850	5940 13100	3730 8220	*3470 *7650	3260 7190	9.79 (32.1)
0.0 m (0.0 ft)	kg lb			*6390 *14090	*6390 *14090	*14290 *31500	9810 21630	*10190 *22470	6480 14290	7650 16870	4730 10430	5820 12830	3630 8000	*3830 *8440	3310 7300	9.58 (31.4)
-1.5 m (-4.9 ft)	kg lb	*6630 *14620	*6630 *14620	*9930 *21890	*9930 *21890	*14790 *32610	9620 21210	10580 23320	6310 13910	7520 16580	4610 10160	*5340 *11770	3580 7890	*4440 *9790	3530 7780	9.11 (29.9)
-3.0 m (-9.8 ft)	kg lb	*10420 *22970	*10420 *22970	*14550 *32080	*14550 *32080	*14440 *31830	9650 21270	10550 23260	6290 13870	7520 16580	4610 10160			*5520 *12170	4010 8840	8.35 (27.4)
-4.5 m (-14.8 ft)	kg lb	*15040 *33160	*15040 *33160	*18840 *41540	*18840 *41540	*13120 *28920	9850 21720	*9740 *21470	6420 14150					*7630 *16820	5040 11110	7.19 (23.6)
-6.0 m (-19.7 ft)	kg lb			*14260 *31440	*14260 *31440	*10040 *22130	*10040 *22130							*8020 *17680	7950 17530	5.38 (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.

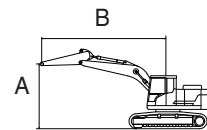
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.















▲ 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	
HX300SG Long reach	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		10200	7850	7000	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)		7.5 m (24.6 ft)		9.0 m (29.5 ft)		Capacity		Reach
																m (ft)
3.0 m (9.8 ft)	kg lb					*7270 *16030	*7270 *16030			*4130 *9110	*4130 *9110	*3510 *7740	*3510 *7740	*860 *1900	*860 *1900	17.26 (56.6)
1.5 m (4.9 ft)	kg lb					*4330 *9550	*4330 *9550	*6440 *14200	*6440 *14200	*4920 *10850	*4920 *10850	*4040 *8910	*4040 *8910	*910 *2010	*910 *2010	17.27 (56.7)
0.0 m (0.0 ft)	kg lb			*1390 *3060	*1390 *3060	*3240 *7140	*3240 *7140	*7450 *16420	6590 14530	*5610 *12370	4960 10930	*4530 *9990	3900 8600	*970 *2140	*970 *2140	17.15 (56.3)
-1.5 m (-4.9 ft)	kg lb	*1450 *3200	*1450 *3200	*1960 *4320	*1960 *4320	*3330 *7340	*3330 *7340	*6240 *13760	6110 13470	*6160 *13580	4600 10140	*4950 *10910	3620 7980	*1050 *2310	*1050 *2310	16.90 (55.4)
-3.0 m (-9.8 ft)	kg lb	*2110 *4650	*2110 *4650	*2620 *5780	*2620 *5780	*3800 *8380	*3800 *8380	*6180 *13620	5850 12900	*6560 *14460	4360 9610	*5270 *11620	3430 7560	*1170 *2580	*1170 *2580	16.51 (54.2)
-4.5 m (-14.8 ft)	kg lb	*2790 *6150	*2790 *6150	*3340 *7360	*3340 *7360	*4470 *9850	*4470 *9850	*6670 *14700	5750 12680	*6800 *14990	4230 9330	*5490 *12100	3320 7320	*1310 *2890	*1310 *2890	15.96 (52.4)
-6.0 m (-19.7 ft)	kg lb	*3510 *7740	*3510 *7740	*4130 *9110	*4130 *9110	*5310 *11710	*5310 *11710	*7520 *16580	5750 12680	*6890 *15190	4200 9260	*5600 *12350	3270 7210	*1520 *3350	*1520 *3350	15.25 (50.0)
-7.5 m (-24.6 ft)	kg lb	*4290 *9460	*4290 *9460	*5010 *11050	*5010 *11050	*6320 *13930	*6320 *13930	*8650 *19070	5830 12850	*6830 *15060	4230 9330	*5590 *12320	3280 7230	*1830 *4030	1750 3860	14.34 (47.0)
-9.0 m (-29.5 ft)	kg lb	*5160 *11380	*5160 *11380	*6030 *13290	*6030 *13290	*7570 *16690	*7570 *16690	*8260 *18210	6000 13230	*6590 *14530	4330 9550	*5420 *11950	3350 7390	*2310 *5090	2030 4480	13.19 (43.3)
-10.5 m (-34.4 ft)	kg lb	*6140 *13540	*6140 *13540	*7250 *15980	*7250 *15980	*9180 *20240	*9180 *20240	*7610 *16780	6240 13760	*6120 *13490	4510 9940	*5030 *11090	3500 7720	*3210 *7080	2480 5470	11.74 (38.5)
-12.0 m (-39.4 ft)	kg lb			*8780 *19360	*8780 *19360	*8430 *18580	*8430 *18580	*6570 *14480	6570 *14480	*5290 *11660	4790 10560	*4280 *9440	3740 8250	*3750 *8270	3340 7360	9.86 (32.3)

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.

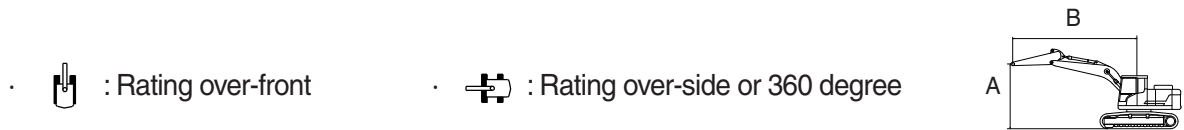
Lifting capacities will vary with different work tools, ground conditions and attachments.













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.

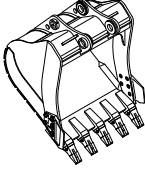
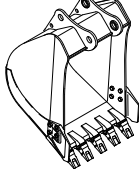
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX300SG Long reach	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		10200	7850	7000	800	-	-	-	-	-



Lift-point height (A)		Lift-point radius (B)										At max. reach		
		10.5 m (34.4 ft)		12.0 m (39.4 ft)		13.5 m (44.3 ft)		15.0 m (44.3 ft)		16.5 m (54.1 ft)		Capacity		Reach
														m (ft)
13.5 m (44.3 ft)	kg lb											*900 *1980	*900 *1980	12.91 (42.4)
12.0 m (39.4 ft)	kg lb					*1170 *2580	*1170 *2580					*850 *1870	*850 *1870	14.12 (46.3)
10.5 m (34.4 ft)	kg lb					*1470 *3240	*1470 *3240	*860 *1900	*860 *1900			*810 *1790	*810 *1790	15.07 (49.4)
9.0 m (29.5 ft)	kg lb					*1670 *3680	*1670 *3680	*1260 *2780	*1260 *2780			*800 *1760	*800 *1760	15.82 (51.9)
7.5 m (24.6 ft)	kg lb					*1850 *4080	*1850 *4080	*1520 *3350	*1520 *3350			*790 *1740	*790 *1740	16.40 (53.8)
6.0 m (19.7 ft)	kg lb			*2220 *4890	*2220 *4890	*2060 *4540	*2060 *4540	*1730 *3810	*1730 *3810	*1060 *2340	*1060 *2340	*800 *1760	*800 *1760	16.83 (55.2)
4.5 m (14.8 ft)	kg lb	*2740 *6040	*2740 *6040	*2560 *5640	*2560 *5640	*2330 *5140	*2330 *5140	*1950 *4300	*1950 *4300	*1290 *2840	*1290 *2840	*830 *1830	*830 *1830	17.11 (56.1)
3.0 m (9.8 ft)	kg lb	*3100 *6830	*3100 *6830	*2820 *6220	*2820 *6220	*2620 *5780	2380 5250	*2180 *4810	1940 4280	*1460 *3220	*1460 *3220	*860 *1900	*860 *1900	17.26 (56.6)
1.5 m (4.9 ft)	kg lb	*3470 *7650	3380 7450	*3090 *6810	2740 6040	*2820 *6220	2240 4940	*2430 *5360	1850 4080	*1570 *3460	1520 3350	*910 *2010	*910 *2010	17.27 (56.7)
0.0 m (0.0 ft)	kg lb	*3830 *8440	3140 6920	*3360 *7410	2560 5640	*3020 *6660	2120 4670	*2670 *5890	1760 3880	*1600 *3530	1470 3240	*970 *2140	*970 *2140	17.15 (56.3)
-1.5 m (-4.9 ft)	kg lb	*4150 *9150	2940 6480	*3600 *7940	2420 5340	*3200 *7050	2010 4430	*2850 *6280	1690 3730	*1500 *3310	1420 3130	*1050 *2310	*1050 *2310	16.90 (55.4)
-3.0 m (-9.8 ft)	kg lb	*4410 *9720	2790 6150	*3800 *8380	2300 5070	3310 7300	1930 4250	2840 6260	1630 3590	*1170 *2580	*1170 *2580	*1170 *2580	*1170 *2580	16.51 (54.2)
-4.5 m (-14.8 ft)	kg lb	*4600 *10140	2690 5930	3840 8470	2230 4920	3260 7190	1880 4140	*2620 *5780	1600 3530			*1310 *2890	*1310 *2890	15.96 (52.4)
-6.0 m (-19.7 ft)	kg lb	4570 10080	2640 5820	3800 8380	2200 4850	3240 7140	1860 4100	*1920 *4230	1610 3550			*1520 *3350	*1520 *3350	15.25 (50.0)
-7.5 m (-24.6 ft)	kg lb	4570 10080	2650 5840	3810 8400	2210 4870	3270 7210	1890 4170					*1830 *4030	1750 3860	14.34 (47.0)
-9.0 m (-29.5 ft)	kg lb	*4550 *10030	2710 5970	*3850 *8490	2270 5000							*2310 *5090	2030 4480	13.19 (43.3)
-10.5 m (-34.4 ft)	kg lb	*4180 *9220	2850 6280									*3210 *7080	2480 5470	11.74 (38.5)

## 6. BUCKET SELECTION GUIDE

### 1) GENERAL BUCKET

	
1.27 SAE heaped bucket	★0.52 m³ SAE heaped bucket

Capacity		Width		Weight	Recommendation				
					6.25 m (20' 6") boom				10.2 m (33' 6") boom
SAE heaped	CECE heaped	Without side cutter	With side cutter		2.1 m arm (6' 11")	2.5 m arm (8' 2")	3.05 m arm (10' 0")	3.75 m arm (12' 4")	7.85 m arm (25' 9")
1.27 m³ (1.66 yd³)	1.11 m³ (1.45 yd³)	1325 mm (52")	1410 mm (56")	1135 kg (2500 lb)	●	●	◐	■	X
★ 0.52 m³ (0.68 yd³)	0.45 m³ (0.59 yd³)	945 mm (37")	1035 mm (41")	470 kg (1040 lb)	X	X	X	X	◐

★ : Long reach bucket

●	Applicable for materials with density of 2100 kg/m³ (3500 lb/yd³) or less
◐	Applicable for materials with density of 1800 kg/m³ (3000 lb/yd³) or less
■	Applicable for materials with density of 1500 kg/m³ (2500 lb/yd³) or less
▲	Applicable for materials with density of 1200 kg/m³ (2000 lb/yd³) 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 your HD Hyundai Construction Equipment dealer for information on selecting the correct boom—arm—bucket combination.

## 2) HEAVY DUTY AND ROCK-HEAVY DUTY BUCKET

	
◆ 1.46 m <sup>3</sup> SAE heaped bucket	◆ 1.50 m <sup>3</sup> SAE heaped bucket

Capacity		Width		Weight	Recommendation				
					6.25 m (20' 6") boom				10.2 m (33' 6") boom
SAE heaped	CECE heaped	Without side cutter	With side cutter		2.1 m arm (6' 11")	2.5 m arm (8' 2")	3.05 m arm (10' 0")	3.75 m arm (12' 4")	7.85 m arm (25' 9")
◆ 1.46 m <sup>3</sup> (1.91 yd <sup>3</sup> )	1.28 m <sup>3</sup> (1.67 yd <sup>3</sup> )	1535 mm (60")	-	1395 kg (3080 lb)	●	●	■	▲	X
◆ 1.50 m <sup>3</sup> (1.96 yd <sup>3</sup> )	1.30 m <sup>3</sup> (1.70 yd <sup>3</sup> )	1550 mm (61")	-	1575 kg (3470 lb)	●	■	■	▲	X

◆ : Heavy duty bucket

◆ : Rock-Heavy duty bucket

●	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

## 7. UNDERCARRIAGE

### 1) TRACKS

X-leg type center frame is integrally welded with reinforced box-section track frames. The design includes dry tracks, lubricated rollers, idlers, sprockets, hydraulic track adjusters with shock absorbing springs, and assembled track-type tractor shoes with triple grousers.

### 2) TYPES OF SHOES

Model	Description	Unit	Triple grouser		
	width	mm (in)	600 (24")	700 (28")	800 (32")
HX300SG	Operating weight	kg (lb)	29540 (65125)	30090 (66337)	30460 (67153)
	Ground pressure	kgf/cm <sup>2</sup> (psi)	0.57 (8.09)	0.50 (7.11)	0.44 (6.26)
	Overall width	mm (ft-in)	3200 (10' 6")	3300 (10' 10")	3400 (11' 1")
HX300SG Long reach	Operating weight	kg (lb)	-	-	32610 (71893)
	Ground pressure	kgf/cm <sup>2</sup> (psi)	-	-	0.47 (6.68)
	Overall width	mm (ft-in)	-	-	3400 (11' 2")

### 3) NUMBER OF ROLLERS AND SHOES ON EACH SIDE

Item	Quantity
Upper rollers	2 EA
Lower rollers	9 EA
Track shoes	48 EA

#### 4) 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

Track shoe	Specification	Category
600 mm triple grouser	Standard	A
700 mm triple grouser	Option	B
800 mm triple grouser	Option	C
800 mm triple grouser (long reach)	Standard	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
Model	HD Hyundai Construction Equipment / HE6.7
Type	4-cycle, turbocharged, charge air cooled, electronic controlled diesel engine
Cooling method	Water cooled
Number of cylinders and arrangement	6 cylinders, in-line
Firing order	1-5-3-6-2-4
Combustion chamber type	Direct injection type
Cylinder bore×stroke	107 × 124 mm (4.21 " × 4.88 ")
Piston displacement	6.7 ℓ (408 cu in)
Compression ratio	17.2 : 1
Gross power	227 Hp (169 kW) at 1900rpm
Net power	197 Hp (147 kW) at 1900 rpm
Peak torque	952 N·m (702 lbf·ft) at 1400 rpm
Engine oil quantity	23.1 ℓ (6.1 U.S. gal)
Wet weight	485 kg (1069 lb)
Starting motor	24 V - 4.8 kW
Alternator	24 V - 90 A
Battery	2 × 12V × 150Ah

### 2) MAIN PUMP

Item	Specification
Type	Variable displacement tandem axis piston pumps
Capacity	2 × 140 cc/rev
Maximum pressure	330 kgf/cm <sup>2</sup> (4690 psi) [360 kgf/cm <sup>2</sup> (5120 psi)]
Rated oil flow	2 × 266 ℓ /min (70.3 U.S. gpm/ 58.5 U.K. gpm)

[ ] : Power boost

### 3) GEAR PUMP

Item	Specification
Type	Fixed displacement gear pump single stage
Capacity	15 cc/rev
Maximum pressure	35 kgf/cm <sup>2</sup> (500 psi)
Rated oil flow	28.5 ℓ /min (7.5 U.S. gpm/6.3 U.K. gpm)

#### 4) MAIN CONTROL VALVE

Item		Specification	
		HX300SG	HX300SG Long reach
Type		10 spools	
Operating method		Hydraulic pilot system	
Main relief valve pressure		330 kgf/cm <sup>2</sup> (4695 psi) [360 kgf/cm <sup>2</sup> (5120 psi)]	
Overload relief valve pressure	Boom	390 kgf/cm <sup>2</sup> (5550 psi)	390 kgf/cm <sup>2</sup> (5550 psi)
	Arm	390 kgf/cm <sup>2</sup> (5550 psi)	In : 230 kgf/cm <sup>2</sup> (3270 psi) Out : 260 kgf/cm <sup>2</sup> (3700 psi)
	Bucket	390 kgf/cm <sup>2</sup> (5550 psi)	270 kgf/cm <sup>2</sup> (3840 psi)

[ ] : Power boost

#### 5) SWING MOTOR

Item	Specification
Type	Axial piston motor
Capacity	156.9 cc/rev
Relief pressure	300 kgf/cm <sup>2</sup> (4267 psi)
Braking system	Automatic, spring applied hydraulic released
Braking torque	84 kgf·m (608 lbf·ft)
Brake release pressure	22 kgf/cm <sup>2</sup> (313 psi)
Reduction gear type	2 - stage planetary

#### 6) TRAVEL MOTOR

Item	Specification
Type	Variable displacement axial piston motor
Relief pressure	350 kgf/cm <sup>2</sup> (4978 psi)
Capacity (max/min)	282.6/156.9 cc/rev
Reduction gear type	2-stage planetary
Braking system	Automatic, spring applied hydraulic released
Brake release pressure	11 kgf/cm <sup>2</sup> (156 psi)
Braking torque	115 kgf·m (832 lbf·ft)

## 7) REMOTE CONTROL VALVE

Item		Specification
Type		Pressure reducing type
Operating pressure	Minimum	6.5 kgf/cm <sup>2</sup> (92 psi)
	Maximum	25 kgf/cm <sup>2</sup> (356 psi)
Single operation stroke	Lever	61 mm (2.4 in)
	Pedal	123 mm (4.84 in)

## 8) CYLINDER

Item		Specification
Boom cylinder	Bore dia × Rod dia × Stroke	Ø140 × Ø100 × 1465 mm
	Cushion	Extend only
Arm cylinder	Bore dia × Rod dia × Stroke	Ø150 × Ø110 × 1765 mm
	Cushion	Extend and retract
Bucket cylinder	Bore dia × Rod dia × Stroke	Ø140 × Ø95 × 1185 mm
	Cushion	Extend only
Bucket cylinder (Long reach)	Bore dia × Rod dia × Stroke	Ø100 × Ø70 × 870 mm
	Cushion	Extend and retract

※ 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)
Engine oil pan	Engine oil	23.1 (6.1)	★SAE 0W-30							
			SAE 5W-30							
			SAE 10W-30							
			SAE 15W-40							
Swing drive	Gear oil	11 (2.9)	★SAE 75W-90							
Final drive		7.8×2 (2.1×2)	SAE 80W-90							
Hydraulic tank	Hydraulic oil	Tank : 210 (55.5) System : 320 (84.5)	★ISO VG 15							
			ISO VG 32							
			ISO VG 46							
			ISO VG 68							
Fuel tank	Diesel fuel	480 (126.8)	★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>	50 (13.2)	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

★ : Cold region

Russia, CIS, Mongolia

★1 : Soft water

City water or distilled water

※ 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 HD Hyundai Construction Equipment dealers.