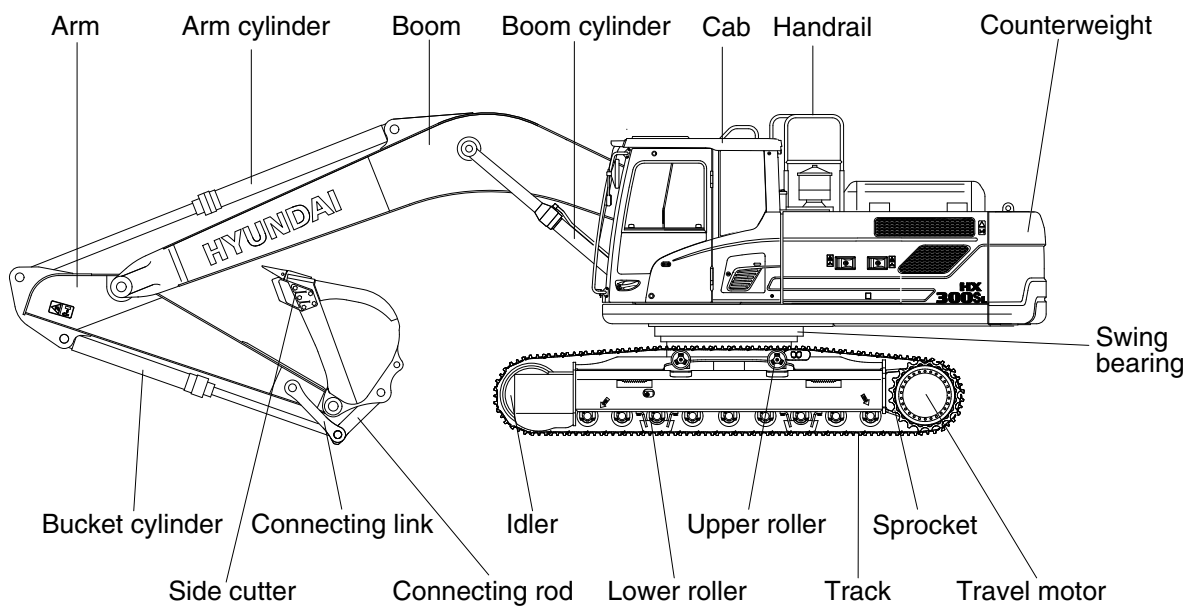
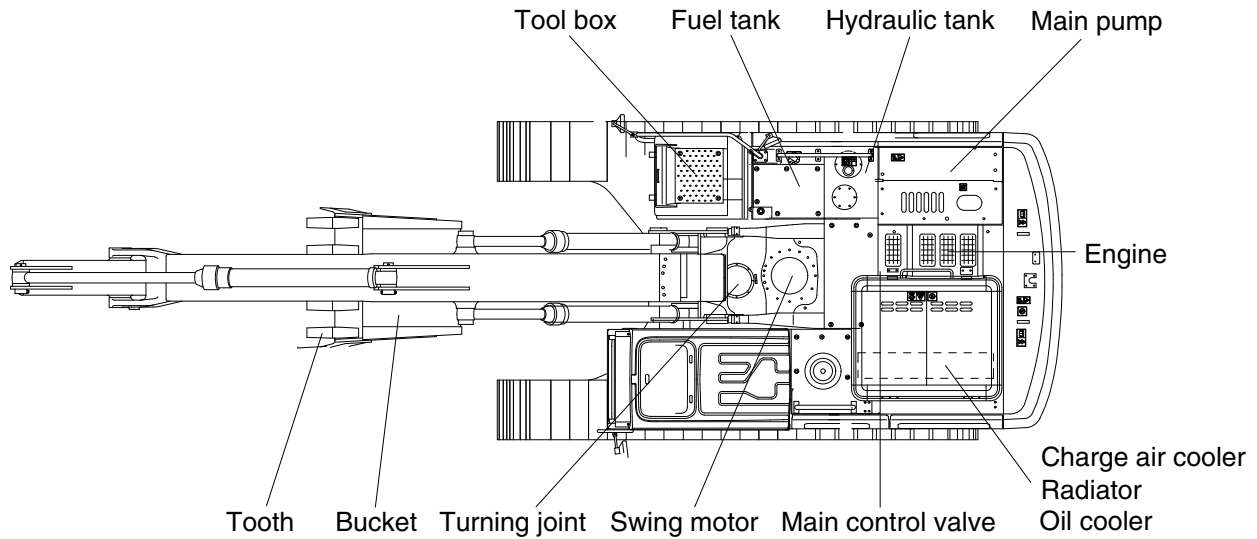


SPECIFICATIONS

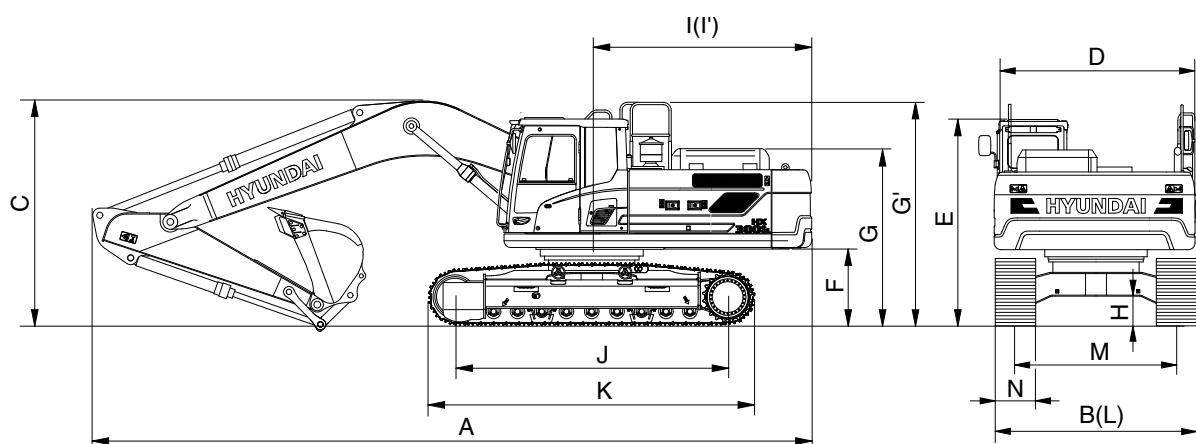
1. MAJOR COMPONENT



300S2SP01A

2. SPECIFICATIONS

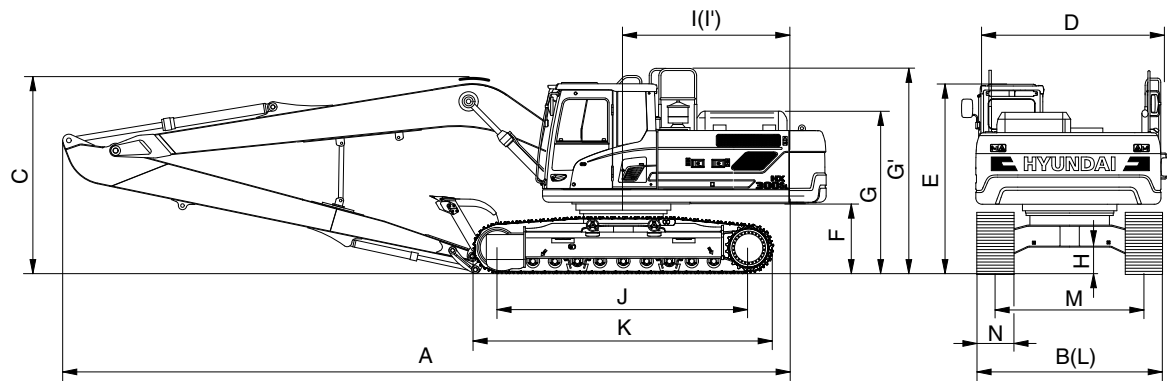
1) HX300S L



300S2SP02

Description		Unit		Specification			
		m (ft-in)	Boom	6.245 (20' 6")			
			Arm	3.10 (10' 2")	2.10 (6' 11")	2.50 (8' 2")	3.75 (12' 4")
		mm (in)	Shoe	600 (24")			
Operating weight		kg (lb)		30200 (66580)	30200 (66580)	30200 (66580)	30200 (66580)
Bucket capacity (SAE heaped), standard		m³ (yd³)		1.27 (1.66)	1.27 (1.66)	1.27 (1.66)	1.27 (1.66)
Overall length	A	mm (ft-in)		10560 (34' 8")	10710 (35' 2")	10670 (35' 0")	10630 (34' 11")
Overall width	B			3200 (10' 6")	3200 (10' 6")	3200 (10' 6")	3200 (10' 6")
Overall height of boom	C			3335 (10' 11")	3580 (11' 9")	3485 (11' 5")	3535 (11' 7")
Superstructure width	D			2980 (9' 9")	2980 (9' 9")	2980 (9' 9")	2980 (9' 9")
Overall height of cab	E			3125 (10' 3")	3125 (10' 3")	3125 (10' 3")	3125 (10' 3")
Ground clearance of counterweight	F			1180 (3' 10")	1180 (3' 10")	1180 (3' 10")	1180 (3' 10")
Overall height of engine hood	G			2600 (8' 6")	2600 (8' 6")	2600 (8' 6")	2600 (8' 6")
Overall height of handrail	G'			3330 (10' 11")	3330 (10' 11")	3330 (10' 11")	3330 (10' 11")
Minimum ground clearance	H			500 (1' 8")	500 (1' 8")	500 (1' 8")	500 (1' 8")
Rear-end distance	I			3265 (10' 9")	3265 (10' 9")	3265 (10' 9")	3265 (10' 9")
Rear-end swing radius	I'			3345 (11' 0")	3345 (11' 0")	3345 (11' 0")	3345 (11' 0")
Distance between tumblers	J			4040 (13' 3")	4040 (13' 3")	4040 (13' 3")	4040 (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 (24")	600 (24")	600 (24")	600 (24")
Travel speed (low/high)		km/hr (mph)		3.3 (2.1) / 5.9 (3.7)	3.3 (2.1) / 5.9 (3.7)	3.3 (2.1) / 5.9 (3.7)	3.3 (2.1) / 5.9 (3.7)
Swing speed		rpm		10.2	10.2	10.2	10.2
Gradeability		Degree (%)		35 (70)	35 (70)	35 (70)	35 (70)
Ground pressure		kgf/cm² (psi)		0.58 (8.25)	0.58 (8.25)	0.58 (8.25)	0.58 (8.25)
Max traction force		kg (lb)		26500 (58420)	26500 (58420)	26500 (58420)	26500 (58420)

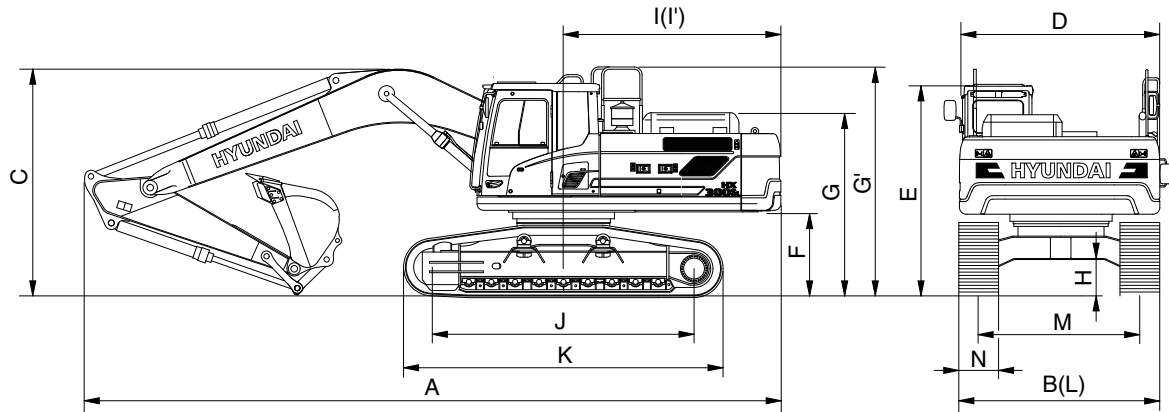
2) HX300S L LONG REACH



300S2SP03

Description		Unit		Specification
		m (ft-in)	Boom	10.2 (33' 6")
			Arm	7.85 (25' 9")
		mm (in)	Shoe	800 (32")
Operating weight		kg (lb)		33910 (74760)
Bucket capacity (SAE heaped), standard		m³ (yd³)		0.52 0.68
Overall length	A	mm (ft-in)		14750 (48' 5")
Overall width	B			3400 (11' 2")
Overall height of boom	C			3560 (11' 8")
Superstructure width	D			2980 (9' 9")
Overall height of cab	E			3125 (10' 3")
Ground clearance of counterweight	F			1180 (3' 10")
Overall height of engine hood	G			2600 (8' 6")
Overall height of handrail	G'			3330 (10' 11")
Minimum ground clearance	H			500 (1' 8")
Rear-end distance	I			3265 (10' 9")
Rear-end swing radius	I'			3345 (11' 0")
Distance between tumblers	J			4040 (13' 3")
Undercarriage length	K			4940 (16' 2")
Undercarriage width	L			3400 (11' 2")
Track gauge	M			2600 (8' 6")
Track shoe width, standard	N			800 (32")
Travel speed (low/high)		km/hr (mph)		3.3 (2.1) / 5.9 (3.7)
Swing speed		rpm		10.2
Gradeability		Degree (%)		35 (70)
Ground pressure		kgf/cm² (psi)		0.48 (6.96)
Max traction force		kg (lb)		26500 (58420)

3) HX300S L HIGH WALKER

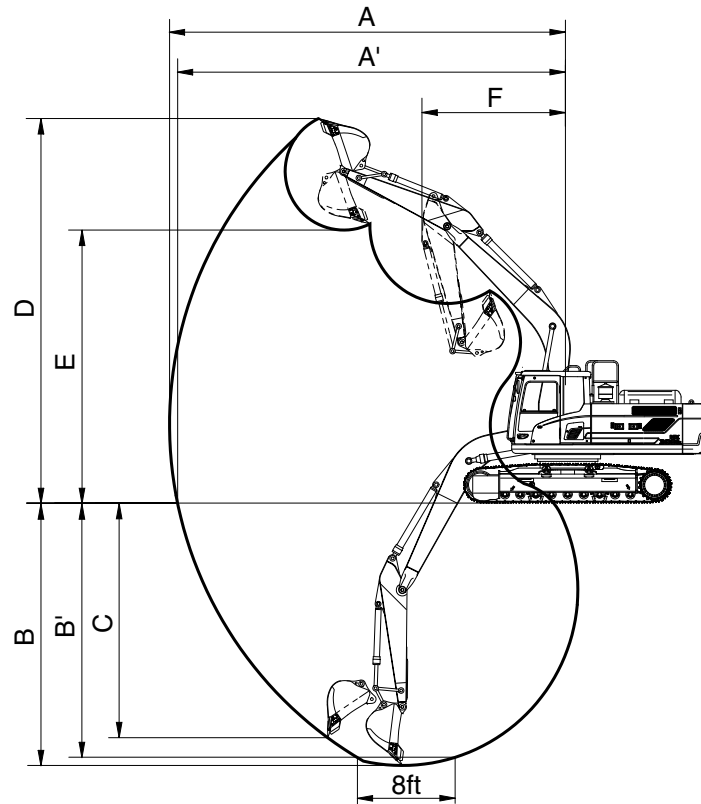


300S2SP04

Description	Unit		Specification			
	m (ft-in)	Boom	6.245 (20' 6")			
		Arm	3.10 (10' 2")	2.10 (6' 11")	2.50 (8' 2")	3.75 (12' 4")
	mm (in)	Shoe	600 (24")			
Operating weight	kg (lb)		32490 (71630)	32490 (71630)	32490 (71630)	32490 (71630)
Bucket capacity (SAE heaped), standard	m³ (yd³)		1.27 (1.66)	1.27 (1.66)	1.27 (1.66)	1.27 (1.66)
Overall length	A	mm (ft-in)	10410 (34' 2")	10680 (35' 0")	10595 (34' 9")	10510 (34' 6")
Overall width	B		3470 (11' 5")	3470 (11' 5")	3470 (11' 5")	3470 (11' 5")
Overall height of boom	C		3385 (11' 1")	3715 (12' 2")	3590 (11' 9")	3520 (11' 7")
Superstructure width	D		2980 (9' 9")	2980 (9' 9")	2980 (9' 9")	2980 (9' 9")
Overall height of cab	E		3435 (11' 3")	3435 (11' 3")	3435 (11' 3")	3435 (11' 3")
Ground clearance of counterweight	F		1490 (4' 11")	1490 (4' 11")	1490 (4' 11")	1490 (4' 11")
Overall height of engine hood	G		2910 (9' 7")	2910 (9' 7")	2910 (9' 7")	2910 (9' 7")
Overall height of handrail	G'		3650 (12' 0")	3650 (12' 0")	3650 (12' 0")	3650 (12' 0")
Minimum ground clearance	H		765 (2' 6")	765 (2' 6")	765 (2' 6")	765 (2' 6")
Rear-end distance	I		3265 (10' 9")	3265 (10' 9")	3265 (10' 9")	3265 (10' 9")
Rear-end swing radius	I'		3345 (11' 0")	3345 (11' 0")	3345 (11' 0")	3345 (11' 0")
Distance between tumblers	J		4030 (13' 3")	4030 (13' 3")	4030 (13' 3")	4030 (13' 3")
Undercarriage length	K		5010 (16' 5")	5010 (16' 5")	5010 (16' 5")	5010 (16' 5")
Undercarriage width	L		3470 (11' 5")	3470 (11' 5")	3470 (11' 5")	3470 (11' 5")
Track gauge	M		2870 (9' 5")	2870 (9' 5")	2870 (9' 5")	2870 (9' 5")
Track shoe width, standard	N		600 (24")	600 (24")	600 (24")	600 (24")
Travel speed (low/high)	km/hr (mph)		3.3 (2.1) / 5.9 (3.7)	3.3 (2.1) / 5.9 (3.7)	3.3 (2.1) / 5.9 (3.7)	3.3 (2.1) / 5.9 (3.7)
Swing speed	rpm		10.2	10.2	10.2	10.2
Gradeability	Degree (%)		35 (70)	35 (70)	35 (70)	35 (70)
Ground pressure	kgf/cm² (psi)		0.63 (8.89)	0.63 (8.89)	0.63 (8.89)	0.63 (8.89)
Max traction force	kg (lb)		26500 (58420)	26500 (58420)	26500 (58420)	26500 (58420)

3. WORKING RANGE

1) HX300S L

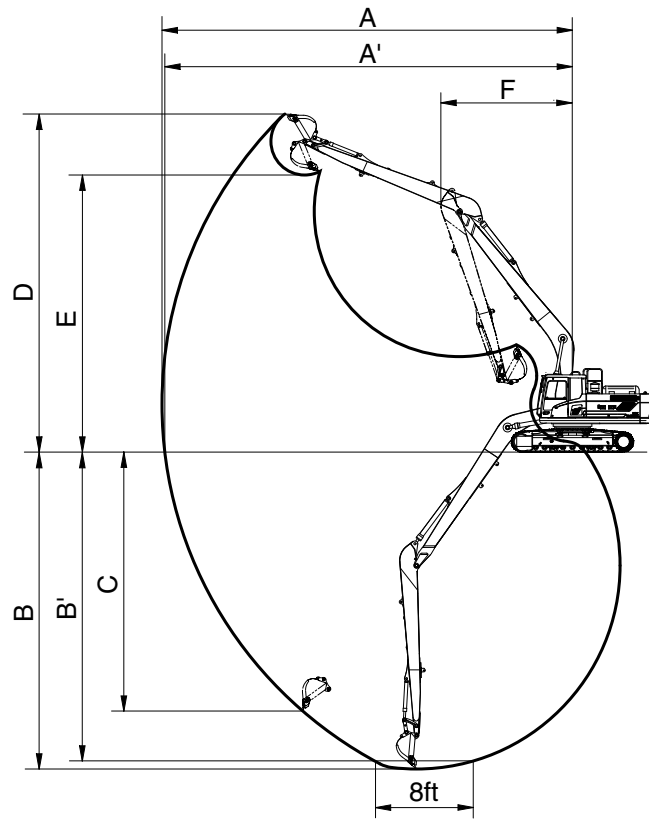


300S2SP06

Description	m (ft-in)	Boom	6.245 (20' 6")			
		Arm	3.10 (10' 2")	2.10 (6' 11")	2.50 (8' 2")	3.75 (12' 4")
Max digging reach	mm (ft-in)	A	10815 (35' 6")	9945 (32' 8")	10255 (33' 8")	11345 (37' 3")
Max digging reach on ground		A'	10610 (34' 10")	9720 (31' 11")	10035 (32' 11")	11145 (36' 7")
Max digging depth		B	7225 (23' 8")	6225 (20' 5")	6625 (21' 9")	7880 (25' 10")
Max digging depth (8 ft level)		B'	7045 (23' 1")	6000 (19' 8")	6410 (21' 0")	7705 (25' 3")
Max vertical wall digging depth		C	6725 (22' 1")	5715 (18' 9")	6135 (20' 2")	7305 (24' 0")
Max digging height		D	10405 (34' 2")	10080 (33' 1")	10100 (33' 2")	10485 (34' 5")
Max dumping height		E	7335 (24' 1")	6975 (22' 11")	7040 (23' 1")	7450 (24' 5")
Min swing radius		F	4095 (13' 5")	4185 (13' 9")	3780 (12' 5")	4150 (13' 7")
Bucket digging force	kN	SAE	163.5 [177.5]	163.5 [177.5]	163.5 [177.5]	163.6 [177.6]
	kgf		16670 [18100]	16670 [18100]	16670 [18100]	16680 [18110]
	lbf		36750 [39900]	36750 [39900]	36750 [39900]	36770 [39930]
	kN	ISO	189.9 [206.1]	189.9 [206.1]	189.9 [206.1]	190.0 [206.2]
	kgf		19360 [21020]	19360 [21020]	19360 [21020]	19370 [21030]
	lbf		42680 [46340]	42680 [46340]	42680 [46340]	42700 [46360]
Arm digging force	kN	SAE	125.0 [135.7]	176.0 [191.1]	151.0 [164.0]	111.5 [121.0]
	kgf		12750 [13840]	17950 [19490]	15400 [16720]	11370 [12340]
	lbf		28110 [30510]	39570 [42970]	33950 [36860]	25070 [27210]
	kN	ISO	130.3 [141.5]	185.9 [201.9]	158.5 [172.1]	115.6 [125.5]
	kgf		13290 [14430]	18960 [20590]	16160 [17550]	11790 [12800]
	lbf		29300 [31810]	41800 [45390]	35630 [38690]	25990 [28220]

[] : Power boost

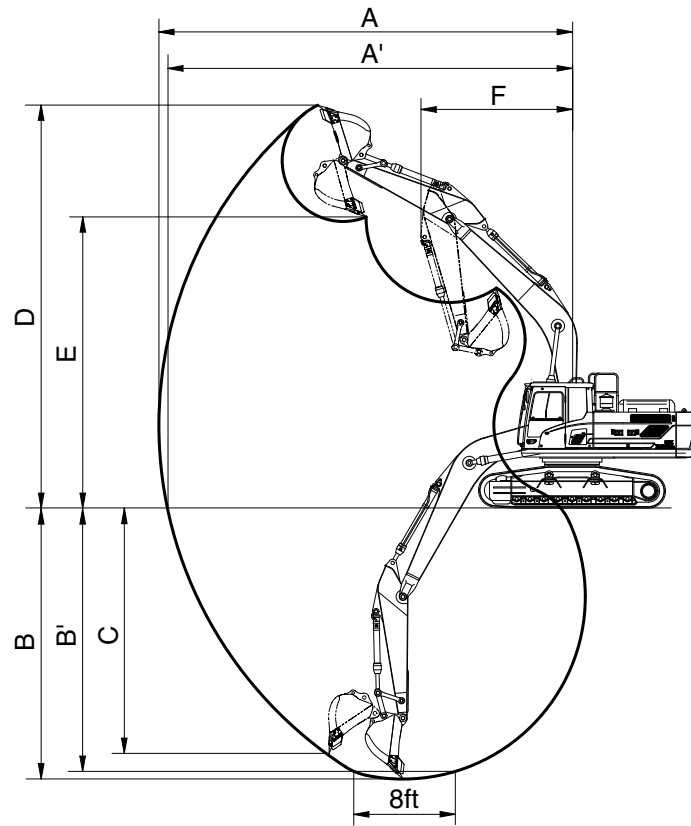
2) HX300S L LONG REACH



300S2SP07

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	70.6
	kgf		7200
	lbf		15870
	kN	ISO	82.4
	kgf		8400
	lbf		18520
Arm digging force	kN	SAE	47.1
	kgf		4800
	lbf		10580
	kN	ISO	48.1
	kgf		4900
	lbf		10800

3) HX300S L HIGH WALKER



300S2SP08

Description	m (ft-in)	Boom	6.245 (20' 6")			
		Arm	3.10 (10' 2")	2.10 (6' 11")	2.50 (8' 2")	3.75 (12' 4")
Max digging reach	mm (ft-in)	A	10815 (35' 6")	9945 (32' 8")	10255 (33' 8")	11345 (37' 3")
Max digging reach on ground		A'	10535 (34' 7")	9635 (31' 7")	9955 (32' 8")	11075 (36' 4")
Max digging depth		B	6885 (22' 7")	5880 (19' 3")	6285 (20' 7")	7535 (24' 9")
Max digging depth (8 ft level)		B'	6705 (22' 0")	5660 (18' 7")	6070 (19' 11")	7360 (24' 2")
Max vertical wall digging depth		C	6385 (20' 11")	5370 (17' 7")	5795 (19' 0")	6965 (22' 10")
Max digging height		D	10745 (35' 3")	10420 (34' 2")	10440 (34' 3")	10825 (35' 6")
Max dumping height		E	7675 (25' 2")	7315 (24' 0")	7380 (24' 3")	7790 (25' 7")
Min swing radius		F	4095 (13' 5")	4185 (13' 9")	3780 (12' 5")	4150 (13' 7")
Bucket digging force	kN	SAE	163.5 [177.5]	163.5 [177.5]	163.5 [177.5]	163.6 [177.6]
	kgf		16670 [18100]	16670 [18100]	16670 [18100]	16680 [18110]
	lbf		36750 [39900]	36750 [39900]	36750 [39900]	36770 [39930]
	kN	ISO	189.9 [206.1]	189.9 [206.1]	189.9 [206.1]	190.0 [206.2]
	kgf		19360 [21020]	19360 [21020]	19360 [21020]	19370 [21030]
	lbf		42680 [46340]	42680 [46340]	42680 [46340]	42700 [46360]
Arm digging force	kN	SAE	125.0 [135.7]	176.0 [191.1]	151.0 [164.0]	111.5 [121.0]
	kgf		12750 [13840]	17950 [19490]	15400 [16720]	11370 [12340]
	lbf		28110 [30510]	39570 [42970]	33950 [36860]	25070 [27210]
	kN	ISO	130.3 [141.5]	185.9 [201.9]	158.5 [172.1]	115.6 [125.5]
	kgf		13290 [14430]	18960 [20590]	16160 [17550]	11790 [12800]
	lbf		29300 [31810]	41800 [45390]	35630 [38690]	25990 [28220]

[] : Power boost

4. WEIGHT

1) HX300S L

Item	HX300S L	
	kg	lb
Upperstructure assembly	13740	30290
Main frame weld assembly	2720	6000
Engine assembly	617	1360
Main pump assembly	201	443
Main control valve assembly	220	485
Swing motor assembly	350	770
Hydraulic oil tank assembly	250	550
Fuel tank assembly	240	530
Counterweight	5200	11460
Cab assembly	422	930
Lower chassis assembly	10790	23790
Track frame weld assembly	3750	8270
Swing bearing	435	960
Travel motor assembly	360	790
Turning joint	54	120
Sprocket	83	183
Track recoil spring	225	500
Idler	250	551
Upper roller	35	80
Lower roller	56	123
Track-chain assembly (600 mm standard triple grouser shoe)	1880	4145
Front attachment assembly (6.245 m boom, 3.10 m arm, 1.27 m³ SAE heaped bucket)	5550	12240
6.245 m boom assembly	2285	5040
3.10 m arm assembly	1025	2260
1.27 m³ SAE heaped bucket	1010	2230
Boom cylinder assembly	270	600
Arm cylinder assembly	360	790
Bucket cylinder assembly	220	485
Bucket control linkage total	110	240

2) HX300S L LONG REACH

Item	HX300S L LONG REACH	
	kg	lb
Upperstructure assembly	15390	33930
Main frame weld assembly	2720	6000
Engine assembly	617	1360
Main pump assembly	201	443
Main control valve assembly	220	485
Swing motor assembly	350	770
Hydraulic oil tank assembly	250	550
Fuel tank assembly	240	530
Counterweight	7000	15450
Cab assembly	422	930
Lower chassis assembly	11750	25900
Track frame weld assembly	3750	8270
Swing bearing	435	960
Travel motor assembly	360	790
Turning joint	54	120
Sprocket	83	183
Track recoil spring	225	500
Idler	250	551
Upper roller	35	80
Lower roller	56	123
Track-chain assembly (800 mm standard triple grouser shoe)	2353	5187
Front attachment assembly (10.2 m boom, 7.85 m arm, 0.52 m³ SAE heaped bucket)	5920	13050
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	270	600
Arm cylinder assembly	360	790
Bucket cylinder assembly	96	212
Bucket control linkage total	110	240

3) HX300S L HIGH WALKER

Item	HX300S L HIGH WALKER	
	kg	lb
Upperstructure assembly	13740	30290
Main frame weld assembly	2720	6000
Engine assembly	617	1360
Aftertreatment assy	94	210
Main pump assembly	201	443
Main control valve assembly	220	485
Swing motor assembly	350	770
Hydraulic oil tank assembly	250	550
Fuel tank assembly	240	530
Counterweight	5200	11460
Cab assembly	422	930
Lower chassis assembly	13630	30050
Track frame weld assembly	5825	12840
Swing bearing	435	960
Travel motor assembly	360	790
Turning joint	54	120
Sprocket	83	183
Track recoil spring	225	500
Idler	250	551
Upper roller	56	123
Lower roller	56	123
Track-chain assembly (600 mm standard triple grouser shoe)	2619	5774
Front attachment assembly (6.245 m boom, 3.10 m arm, 1.27 m³ SAE heaped bucket)	5550	12240
6.245 m boom assembly	2285	5040
3.10 m arm assembly	1025	2260
1.27 m³ SAE heaped bucket	1010	2230
Boom cylinder assembly	270	600
Arm cylinder assembly	360	790
Bucket cylinder assembly	220	485
Bucket control linkage total	110	240

5. LIFTING CAPACITIES

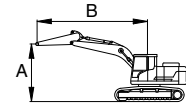
1) HX300S L

Unit : mm

Model	Boom	Boom	Arm	Counterweight	Shoe	Dozer		Outrigger	
	Type	Length	Length	Weight (kg)	Width	Front	Rear	Front	Rear
HX300S L	Mono	6245	3100	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)
7.5 m (24.6 ft)	kg													*5100	*5100	7.39
	lb													*11240	*11240	(24.3)
6.0 m (19.7 ft)	kg							*6460	*6460	*6340	5720			*4910	4780	8.31
	lb							*14240	*14240	*13980	12610			*10820	10540	(27.3)
4.5 m (14.8 ft)	kg					*9190	*9190	*7590	*7590	*6850	5560			*4930	4200	8.87
	lb					*20260	*20260	*16730	*16730	*15100	12260			*10870	9260	(29.1)
3.0 m (9.8 ft)	kg					*12250	11310	*9040	7420	*7600	5330	*6240	4000	*5110	3890	9.15
	lb					*27010	24930	*19930	16360	*16760	11750	*13760	8820	*11270	8580	(30.0)
1.5 m (4.9 ft)	kg					*14720	10530	*10420	7010	8220	5110	6240	3900	*5480	3790	9.18
	lb					*32450	23210	*22970	15450	18120	11270	13760	8600	*12080	8360	(30.1)
0.0 m (0.0 ft)	kg					*15870	10190	11290	6750	8040	4950			*6120	3860	8.95
	lb					*34990	22470	24890	14880	17730	10910			*13490	8510	(29.4)
-1.5 m (-4.9 ft)	kg	*7050	*7050	*10400	*10400	*15990	10110	11160	6640	7970	4880			6720	4160	8.45
	lb	*15540	*15540	*22930	*22930	*35250	22290	24600	14640	17570	10760			14820	9170	(27.7)
-3.0 m (-9.8 ft)	kg	*12200	*12200	*16800	*16800	*15240	10210	11200	6670	8030	4940			7860	4840	7.62
	lb	*26900	*26900	*37040	*37040	*33600	22510	24690	14700	17700	10890			17330	10670	(25.0)
-4.5 m (-14.8 ft)	kg			*18600	*13310	10490	*9770	6890						*9020	6430	6.33
	lb			*41010	*29340	23130	*21540	15190						*19890	14180	(20.8)
-6.0 m (-19.7 ft)	kg			*15400	*10850	10700								*8670	8240	5.38
	lb			*33950	*23920	23590								*19110	18170	(17.6)

※ Note

1. Lifting capacity are based on SAE J1097 and ISO 10567.
2. Lifting capacity of the ROBEX 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 mounting pin on the arm (without bucket).
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 your HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.

▲ Failure to comply to the rated load can cause possible personal injury or property damage.

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

Unit : mm

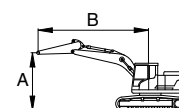
Model	Boom	Boom	Arm	Counterweight	Shoe	Dozer		Outrigger	
	Type	Length	Length	Weight (kg)	Width	Front	Rear	Front	Rear
HX300S L	Mono	6245	2100	5200	600	-	-	-	-



: Rating over-front



: Rating over-side or 360 degree



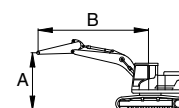
Lift-point height (A)		Lift-point radius (B)								At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach
												m (ft)
7.5m	kg					*7600	*7600			*7720	7590	6.27
24.6ft	lb					*16760	*16760			*17020	16730	(20.6)
6.0m	kg					*7840	*7840			*7680	5820	7.33
19.7ft	lb					*17280	*17280			*16930	12830	(24.0)
4.5m	kg					*8890	7730	*7890	5510	*7810	5000	7.96
14.8ft	lb					*19600	17040	*17390	12150	*17220	11020	(26.1)
3.0m	kg					*10230	7330	8450	5330	7260	4600	8.28
9.8ft	lb					*22550	16160	18630	11750	16010	10140	(27.2)
1.5m	kg					*11340	7020	8270	5170	7120	4480	8.31
4.9ft	lb					*25000	15480	18230	11400	15700	9880	(27.3)
0.0m	kg					11390	6860	8170	5080	7380	4620	8.06
0.0ft	lb					25110	15120	18010	11200	16270	10190	(26.4)
-1.5m	kg			*15680	10430	11370	6850			8200	5110	7.49
-4.9ft	lb			*34570	22990	25070	15100			18080	11270	(24.6)
-3.0m	kg	*18840	*18840	*14240	10620	*10750	6990			*9550	6250	6.54
-9.8ft	lb	*41540	*41540	*31390	23410	*23700	15410			*21050	13780	(21.4)
-4.5m	kg			*10850	*10850					*9590	*9590	4.96
-14.8ft	lb			*23920	*23920					*21140	*21140	(16.3)

Unit : mm

Model	Boom	Boom	Arm	Counterweight	Shoe	Dozer		Outrigger	
	Type	Length	Length	Weight (kg)	Width	Front	Rear	Front	Rear
HX300S L	Mono	6245	2500	5200	600	-	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



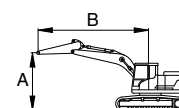
Lift-point height (A)		Lift-point radius (B)								At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach
												m (ft)
7.5m	kg					*6850	*6850			*7060	6870	6.68
24.6ft	lb					*15100	*15100			*15560	15150	(21.9)
6.0m	kg					*7240	*7240	*7060	5610	*7090	5380	7.68
19.7ft	lb					*15960	*15960	*15560	12370	*15630	11860	(25.2)
4.5m	kg			*10470	*10470	*8320	7730	*7410	5480	*7260	4650	8.29
14.8ft	lb			*23080	*23080	*18340	17040	*16340	12080	*16010	10250	(27.2)
3.0m	kg			*13530	10970	*9700	7300	*8070	5280	6800	4290	8.59
9.8ft	lb			*29830	24180	*21380	16090	*17790	11640	14990	9460	(28.2)
1.5m	kg					*10920	6940	8190	5090	6660	4170	8.62
4.9ft	lb					*24070	15300	18060	11220	14680	9190	(28.3)
0.0m	kg			*16100	10180	11270	6740	8060	4970	6880	4280	8.38
0.0ft	lb			*35490	22440	24850	14860	17770	10960	15170	9440	(27.5)
-1.5m	kg	*10830	*10830	*15790	10190	11210	6690	8030	4950	7560	4680	7.84
-4.9ft	lb	*23880	*23880	*34810	22470	24710	14750	17700	10910	16670	10320	(25.7)
-3.0m	kg	*20070	*20070	*14630	10360	*11020	6790			9140	5610	6.93
-9.8ft	lb	*44250	*44250	*32250	22840	*24290	14970			20150	12370	(22.7)
-4.5m	kg	*16260	*16260	*11980	10730					*9570	8090	5.47
-14.8ft	lb	*35850	*35850	*26410	23660					*21100	17840	(17.9)

Unit : mm

Model	Boom	Boom	Arm	Counterweight	Shoe	Dozer		Outrigger	
	Type	Length	Length	Weight (kg)	Width	Front	Rear	Front	Rear
HX300S L	Mono	6245	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													*4560	*4560	6.76
	lb													*10050	*10050	(22.2)
7.5 m (24.6 ft)	kg									*5430	*5430			*4210	*4210	8.04
	lb									*11970	*11970			*9280	*9280	(26.4)
6.0 m (19.7 ft)	kg									*5590	*5590			*4090	*4090	8.89
	lb									*12320	*12320			*9020	*9020	(29.2)
4.5 m (14.8 ft)	kg							*6690	*6690	*6170	5610	*5660	4120	*4130	3800	9.42
	lb							*14750	*14750	*13600	12370	*12480	9080	*9110	8380	(30.9)
3.0 m (9.8 ft)	kg					*10750	*10750	*8190	7520	*6990	5350	6360	4000	*4290	3530	9.68
	lb					*23700	*23700	*18060	16580	*15410	11790	14020	8820	*9460	7780	(31.8)
1.5 m (4.9 ft)	kg					*13550	10670	*9700	7040	*7850	5090	6210	3860	*4600	3420	9.71
	lb					*29870	23520	*21380	15520	*17310	11220	13690	8510	*10140	7540	(31.9)
0.0 m (0.0 ft)	kg			*6600	*6600	*15230	10140	*10860	6700	7990	4890	6090	3750	*5120	3470	9.50
	lb			*14550	*14550	*33580	22350	*23940	14770	17610	10780	13430	8270	*11290	7650	(31.2)
-1.5 m (-4.9 ft)	kg	*6790	*6790	*10200	*10200	*15840	9940	11050	6520	7860	4770	6040	3710	*5990	3690	9.03
	lb	*14970	*14970	*22490	*22490	*34920	21910	24360	14370	17330	10520	13320	8180	*13210	8140	(29.6)
-3.0 m (-9.8 ft)	kg	*10680	*10680	*14930	*14930	*15540	9960	11020	6500	7850	4760			6860	4200	8.25
	lb	*23550	*23550	*32910	*32910	*34260	21960	24290	14330	17310	10490			15120	9260	(27.1)
-4.5 m (-14.8 ft)	kg	*15430	*15430	*20490	*20490	*14220	10170	*10560	6630					*8510	5300	7.08
	lb	*34020	*34020	*45170	*45170	*31350	22420	*23280	14620					*18760	11680	(23.2)
-6.0 m (-19.7 ft)	kg					*11010	10630							*9190	8510	5.23
	lb					*24270	23440							*20260	18760	(17.2)

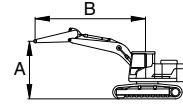
2) HX300S L LONG REACH

Unit : mm

Model	Boom	Boom	Arm	Counterweight	Shoe	Dozer		Outrigger	
	Type	Length	Length	Weight (kg)	Width	Front	Rear	Front	Rear
HX300S L	Mono	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)		4.5m (14.8ft)		6.0m (19.7ft)		7.5m (24.6ft)		9.0m (29.5ft)		10.5m (34.4ft)		12.0m (39.4ft)		13.5m (44.3ft)		15.0m (49.2ft)		Capacity		Reach		
																										m (ft)
12.0m	kg																						*1370	*1370	12.98	
39.4ft	lb																							*3020	*3020	(42.6)
10.5m	kg																	*1880	*1880					*1310	*1310	14.01
34.4ft	lb																	*4140	*4140					*2890	*2890	(46.0)
9.0m	kg																	*2490	*2490					*1290	*1290	14.82
29.5ft	lb																	*5490	*5490					*2840	*2840	(48.6)
7.5m	kg															*2590	*2590	*2580	*2580	*1850	*1850	*1280	*1280	15.44		
24.6ft	lb															*5710	*5710	*5690	*5690	*4080	*4080	*2820	*2820	(50.6)		
6.0m	kg															*2790	*2790	*2710	2690	*2360	2160	*1290	*1290	15.89		
19.7ft	lb															*6150	*6150	*5970	5930	*5200	4760	*2840	*2840	(52.1)		
4.5m	kg											*3570	*3570	*3250	*3250	*3030	*3030	*2880	2580	*2760	2090	*1320	*1320	16.19		
14.8ft	lb											*7870	*7870	*7170	*7170	*6680	*6680	*6350	5690	*6080	4610	*2910	*2910	(53.1)		
3.0m	kg					*9010	*9010	*6230	*6230	*4890	*4890	*4120	*4120	*3630	*3630	*3300	3010	*3080	2450	*2930	2010	*1360	*1360	16.34		
9.8ft	lb					*19860	*19860	*13730	*13730	*10780	*10780	*9080	*9080	*8000	*8000	*7280	6640	*6790	5400	*6460	4430	*3000	*3000	(53.6)		
1.5m	kg					*4800	*4800	*7530	7330	*5710	5520	*4680	4320	*4030	3470	*3590	2830	*3290	2330	*3080	1930	*1420	*1420	16.36		
4.9ft	lb					*10580	*10580	*16600	16160	*12590	12170	*10320	9520	*8880	7650	*7910	6240	*7250	5140	*6790	4250	*3130	*3130	(53.7)		
0.0m	kg			*2020	*2020	*4310	*4310	*8530	6670	*6420	5060	*5180	4000	*4400	3240	*3860	2670	*3490	2220	3150	1850	*1510	*1510	16.23		
0.0ft	lb			*4450	*4450	*9500	*9500	*18810	14700	*14150	11160	*11420	8820	*9700	7140	*8510	5890	*7690	4890	6940	4080	*3330	*3330	(53.3)		
-1.5m	kg	*2600	*2600	*3070	*3070	*4800	*4800	*8490	6290	*6970	4740	*5610	3760	*4720	3060	*4110	2530	3600	2120	3080	1790	*1630	1620	15.97		
-4.9ft	lb	*5730	*5730	*6770	*6770	*10580	*10580	*18720	13870	*15370	10450	*12370	8290	*10410	6750	*9060	5580	7940	4670	6790	3950	*3590	3570	(52.4)		
-3.0m	kg	*3540	*3540	*4110	*4110	*5660	*5660	*8830	6110	*7340	4550	*5920	3590	*4980	2930	4150	2440	3530	2050	*3040	1750	*1790	1660	15.55		
-9.8ft	lb	*7800	*7800	*9060	*9060	*12480	*12480	*19470	13470	*16180	10030	*13050	7910	*10980	6460	9150	5380	7780	4520	*6700	3860	*3950	3660	(51.0)		
-4.5m	kg	*4520	*4520	*5200	*5200	*6740	*6740	*9680	6060	*7540	4460	6050	3500	4900	2850	4090	2380	3490	2020			*2010	1760	14.96		
-14.8ft	lb	*9960	*9960	*11460	*11460	*14860	*14860	*21340	13360	*16620	9830	13340	7720	10800	6280	9020	5250	7690	4450			*4430	3880	(49.1)		
-6.0m	kg	*5560	*5560	*6390	*6390	*8040	*8040	*9610	6100	*7570	4460	6030	3480	4880	2830	4080	2370	3500	2030			*2330	1910	14.20		
-19.7ft	lb	*12260	*12260	*14090	*14090	*17730	*17730	*21190	13450	*16690	9830	13290	7670	10760	6240	8990	5220	7720	4480			*5140	4210	(46.6)		
-7.5m	kg	*6680	*6680	*7700	*7700	*9600	*9600	*9330	6230	*7430	4530	6080	3520	4920	2860	4130	2410					*2810	2150	13.22		
-24.6ft	lb	*14730	*14730	*16980	*16980	*21160	*21160	*20570	13730	*16380	9990	13400	7760	10850	6310	9110	5310					*6190	4740	(43.4)		
-9.0m	kg	*7930	*7930	*9220	*9220	*11450	10000	*8790	6430	*7060	4670	*5830	3630	*4880	2970							*3640	2540	11.97		
-29.5ft	lb	*17480	*17480	*20330	*20330	*25240	22050	*19380	14180	*15560	10300	*12850	8000	*10760	6550							*8020	5600	(39.3)		
-10.5m	kg			*11030	*11030	*10130	*10130	*7880	6740	*6370	4900	*5220	3830									*4310	3230	10.34		
-34.4ft	lb			*24320	*24320	*22330	*22330	*17370	14860	*14040	10800	*11510	8440									*9500	7120	(33.9)		
-12.0m	kg					*8090	*8090	*6360	*6360	*5060	*5060											*4550	*4550	8.13		
-39.4ft	lb					*17840	*17840	*14020	*14020	*11160	*11160											*10030	*10030	(26.7)		

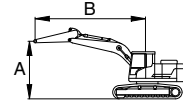
3) HX300S L HIGH WALKER

Unit : mm

Model	Boom	Boom	Arm	Counterweight	Shoe	Dozer		Outrigger	
	Type	Length	Length	Weight (kg)	Width	Front	Rear	Front	Rear
HX300S L	Mono	6245	3100	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													*5480	*5480	6.35
	lb													*12080	*12080	(20.8)
7.5 m (24.6 ft)	kg									*5690	*5690			*5040	*5040	7.64
	lb									*12540	*12540			*11110	*11110	(25.1)
6.0 m (19.7 ft)	kg							*6670	*6670	*6420	*6420			*4900	*4900	8.46
	lb							*14700	*14700	*14150	*14150			*10800	*10800	(27.8)
4.5 m (14.8 ft)	kg				*9860	*9860	*7900	*7900	*7000	6610				*4950	*4950	8.96
	lb				*21740	*21740	*17420	*17420	*15430	14570				*10910	*10910	(29.4)
3.0 m (9.8 ft)	kg				*12910	*12910	*9380	8850	*7780	6370	*6540	4830	*5180	4680		9.18
	lb				*28460	*28460	*20680	19510	*17150	14040	*14420	10650	*11420	10320		(30.1)
1.5 m (4.9 ft)	kg				*15090	12880	*10680	8460	*8530	6160	6700	4730	*5600	4620		9.15
	lb				*33270	28400	*23550	18650	*18810	13580	14770	10430	*12350	10190		(30.0)
0.0 m (0.0 ft)	kg			*6210	*6210	*15970	12600	*11500	8220	8630	6010			*6320	4770	8.87
	lb			*13690	*13690	*35210	27780	*25350	18120	19030	13250			*13930	10520	(29.1)
-1.5 m (-4.9 ft)	kg	*8220	*8220	*11710	*11710	*15900	12570	*11710	8140	8580	5970			7450	5220	8.30
	lb	*18120	*18120	*25820	*25820	*35050	27710	*25820	17950	18920	13160			16420	11510	(27.2)
-3.0 m (-9.8 ft)	kg	*13460	*13460	*18580	*18580	*14930	12710	*11160	8210					*8620	6200	7.38
	lb	*29670	*29670	*40960	*40960	*32910	28020	*24600	18100					*19000	13670	(24.2)
-4.5 m (-14.8 ft)	kg			*17550	*17550	*12590	*12590							*9120	8630	5.94
	lb			*38690	*38690	*27760	*27760							*20110	19030	(19.5)

6. BUCKET SELECTION GUIDE

1) BUCKET SELECTION



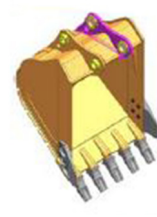
General bucket



Heavy duty
(without side cutter)



Rock heavy duty



Long reach

Type	Capacity		Width		Weight	Tooth	MONO				L/Reach
	SAE Heaped	CECE heaped	Without side cutter	With side cutter			Recommendation				mm (ft-in)
							6.245 m (20' 6") Boom				10.2 m (33' 6") Boom
							m ³ (yd ³)	m ³ (yd ³)	mm (in)	mm (in)	kg (lb)
General bucket	1.27 (1.66)	1.10 (1.44)	1280 (50.4")	1440 (56.7")	1090 (2400)	5	●	●	◐	◐	X
	1.51 (1.98)	1.30 (1.70)	1490 (58.7")	1650 (65.0")	1215 (2680)	6	●	◐	■	▲	X
	1.75 (2.29)	1.50 (1.96)	1700 (66.9")	1860 (73.2")	1315 (2900)	6	◐	■	▲	▲	X
	1.85 (2.42)	1.61 (2.11)	1590 (62.6")	1785 (70.3")	1325 (2920)	6	■	■	▲	X	X
Heavy duty	1.23 (1.61)	1.10 (1.44)	1205 (47.4")	1260 (49.6")	1085 (2390)	5	●	●	●	◐	X
	1.47 (1.92)	1.32 (1.73)	1405 (55.3")	1460 (57.5")	1185 (2610)	5	●	◐	■	■	X
Rock heavy duty	1.20 (1.57)	1.08 (1.41)	1180 (46.5")	1240 (48.8")	1380 (3040)	5	●	●	◐	X	X
	1.45 (1.90)	1.29 (1.69)	1380 (54.3")	1440 (56.7")	1505 (3320)	5	◐	◐	■	X	X
	1.57 (2.05)	1.40 (1.83)	1480 (58.3")	1540 (60.6")	1565 (3450)	5	◐	■	■	X	X
Long reach	0.52 (0.68)	0.45 (0.59)	870 (34.3")	1020 (40.2")	455 (1000)	5	X	X	X	X	◐

●	Applicable for materials with density of 2100 kg/m ³ (3500 lb/yd ³) or less
◐	Applicable for materials with density of 1800 kg/m ³ (3000 lb/yd ³) or less
■	Applicable for materials with density of 1500 kg/m ³ (2500 lb/yd ³) or less
▲	Applicable for materials with density of 1200 kg/m ³ (2000 lb/yd ³) 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.

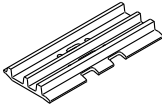
Consult your HD Hyundai Construction Equipment dealer for information on selecting the correct boom—arm—bucket combination.

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	Shapes		Triple grouser			
						
HX300S L	Shoe width	mm (in)	600 (24)	700 (28)	800 (32)	-
	Operating weight	kg (lb)	30200 (66580)	30770 (67840)	31150 (68670)	-
	Ground pressure	kgf/cm ² (psi)	0.58 (8.27)	0.51 (7.22)	0.45 (6.4)	-
	Overall width	mm (ft-in)	3200 (10' 6")	3300 (10' 10")	3400 (11' 1")	-
HX300S L LONG REACH	Shoe width	mm (in)	-	-	800 (32)	-
	Operating weight	kg (lb)	-	-	33910 (74760)	-
	Ground pressure	kgf/cm ² (psi)	-	-	0.49 (6.96)	-
	Overall width	mm (ft-in)	-	-	3400 (11' 2")	-
HX300S L HIGH WALKER	Shoe width	mm (in)	600 (24)	700 (28)	800 (32)	★ 700 (28)
	Operating weight	kg (lb)	32490 (71630)	33060 (72880)	33440 (73720)	34000 (74960)
	Ground pressure	kgf/cm ² (psi)	0.63 (8.89)	0.55 (7.76)	0.48 (6.87)	0.56 (7.96)
	Overall width	mm (ft-in)	3470 (11' 5")	3570 (11' 9")	3670 (12' 0")	3580 (11' 9")

★ : Double grouser

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
700 mm double 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	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
B	Normal soil, soft ground	- These shoes cannot be used on rough ground with large obstacles such as boulders or fallen trees - Travel at high speed only on flat ground - Travel slowly at low speed if it is impossible to avoid going over obstacles
C	Extremely soft ground (swampy ground)	- Use the shoes only in the conditions that the machine sinks and it is impossible to use the shoes of category A or B - These shoes cannot be used on rough ground with large obstacles such as boulders or fallen trees - Travel at high speed only on flat ground - Travel slowly at low speed if it is impossible to avoid going over obstacles

8. SPECIFICATIONS FOR MAJOR COMPONENTS

1) ENGINE

Item	Specification
Model	HD Hyundai Construction Equipment HM8.3
Type	4-cycle turbocharged, charge air cooled diesel engine
Cooling method	Water cooling
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	114 × 134.9 mm (4.49" × 5.31")
Piston displacement	8290 cc (506 cu in)
Compression ratio	18 : 1
Rated net horse power (SAE J1349)	245 Hp (183 kW) at 2200 rpm
Rated gross horse power (SAE J1995)	250 Hp (186 kW) at 2200 rpm
Maximum torque	124 kgf · m (899 lbf · ft) at 1300 rpm
Engine oil quantity	26.5 ℓ (7.0 U.S. gal)
Wet weight	617 kg (1360 lb)
High idling speed	2457 ± 50 rpm
Low idling speed	850 ± 100 rpm
Rated fuel consumption	151 g/Hp · hr at 1400 rpm
Starting motor	24 V-7.2 kW
Alternator	24 V-90 A
Battery	2 × 12 V × 150 Ah

2) MAIN PUMP

Item	Specification
Type	Variable displacement tandem axis piston pumps
Capacity	2 × 154 cc/rev
Maximum pressure	350 kgf/cm ² (4980 psi) [380 kgf/cm ² (5400 psi)]
Rated oil flow	2 × 285 ℓ /min (75.3 U.S. gpm / 62.7 U.K. gpm)

[] : Power boost

3) GEAR PUMP

Item	Specification
Type	Fixed displacement gear pump single stage
Capacity	15 cc/rev
Maximum pressure	40 kgf/cm ² (570 psi)
Rated oil flow	27.75 ℓ /min (7.3 U.S. gpm/7.1 U.K. gpm)

4) MAIN CONTROL VALVE

Item	Specification
Type	10 spools
Operating method	Hydraulic pilot system
Main relief valve pressure	350 kgf/cm ² (4980 psi) [380 kgf/cm ² (5400 psi)] * ¹ 350 kgf/cm ² (4980 psi) [Not applied power boost]
Port relief valve pressure	Boom 400 kgf/cm ² (5690 psi)
	Arm 400 kgf/cm ² (5690 psi), * ¹ 250 kgf/cm ² (3560 psi)
	Bucket 400 kgf/cm ² (5690 psi), * ¹ 270 kgf/cm ² (3840 psi)

[] : Power boost *¹ : Long reach only

5) SWING MOTOR

Item	Specification
Type	Axial piston motor
Capacity	156.9 cc/rev
Relief pressure	300 kgf/cm ² (4270 psi)
Braking system	Automatic, spring applied hydraulic released
Braking torque	84.4 kgf · m (610 lbf · ft) over
Brake release pressure	36.6 kgf/cm ² (519 psi) below
Reduction gear type	2 - stage planetary

6) TRAVEL MOTOR

Item	Specification
Type	Variable displacement axial piston motor
Capacity	282.6/156.9 cc/rev
Relief pressure	350 kgf/cm ² (4980 psi)
Braking system	Automatic, spring applied hydraulic released
Braking torque	134 kgf · m (969 lbf · ft)
Brake release pressure	17 kgf/cm ² (242 psi)
Reduction gear type	2-stage planetary

7) CYLINDER

Item		Specification
Boom cylinder	Bore dia × Stroke	Ø 140 × 1465 mm
	Cushion	Extend only
Arm cylinder	Bore dia × Stroke	Ø 150 × 1670 mm
	Cushion	Extend and retract
Bucket cylinder	Bore dia × Stroke	Ø 135 × 1150 mm
	Cushion	Extend only
Bucket cylinder (Long reach)	Bore dia × Stroke	Ø 100 × 870 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★ ¹	26.5 (7.0)	★SAE 0W-40									
			★SAE 0W-30									
			SAE 5W-30									
			SAE 10W-30									
			SAE 15W-40									
Swing drive	Gear oil	11 (2.91)	★SAE 75W-90									
Final drive		7.8×2 (2.1×2)	SAE 80W-90									
Hydraulic tank	Hydraulic oil	Tank : 190 (50) System : 330 (87)	★ISO VG 15									
			ISO VG 32									
			ISO VG 46, HBHO VG 46★ ³									
			ISO VG 68									
Fuel tank	Diesel fuel	500 (132)	★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★ ²	27 (7.1)	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 : Meet or exceeds API CH-4 grade

★² : Soft water

City water or distilled water

★³ : HD Hyundai Construction Equipment
Bio Hydraulic Oil

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

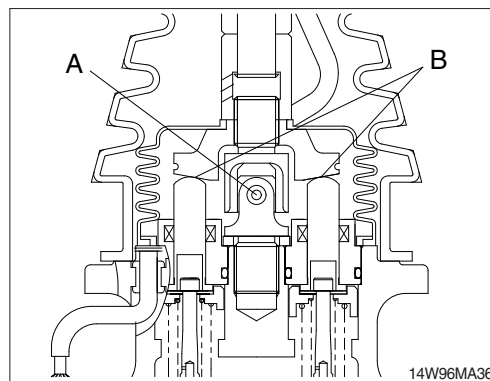
※ Do not mix HD Hyundai Construction Equipment genuine oil with any other lubricating oil as it may result in damage to the systems of major components.

※ Do not use any engine oil other than that specified above.

※ 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.

31) LUBRICATE RCV LEVER

Remove the bellows and with a grease gun grease the joint part (A) and sliding parts (B).



32) ADJUSTMENT OF TRACK TENSION

(Machine Serial No. : -#1896)

- ※ It is important to adjust the tension of track properly to extend the lifetime of track and traveling device.
- ※ The wear of pins and bushings on the undercarriage will vary with the working conditions and soil properties.
It is thus necessary to continually inspect the track tension so as to maintain the standard tension on it.

- (1) Raise the chassis with the boom and arm.
 - (2) Measure the distance between bottom of track frame on track center and back of shoe.
- ※ Remove mud with rotating the track before measuring.
- (3) If the tension is tight, drain the grease in the grease nipple and if the tension is loose, charge the grease.

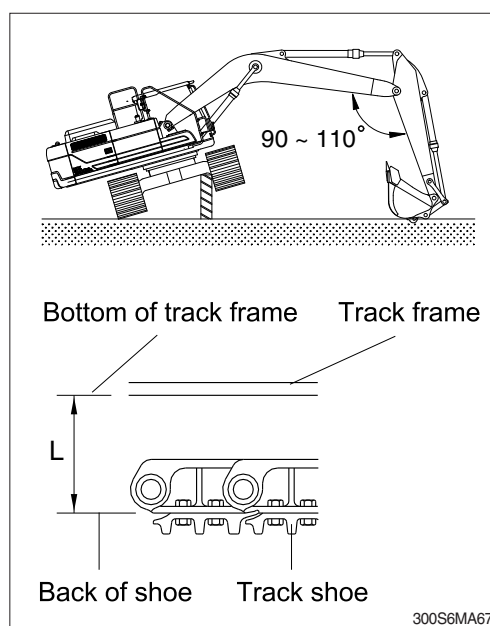
▲ Personal injury or death can result from grease under pressure.

▲ Unscrew the grease nipple after release the tension by pushing the poppet only when necessarily required.

Grease leaking hole is not existing. So, while unscrew the grease nipple, grease is not leaking until the grease nipple is completely coming out. If the tension is not released in advance, the grease nipple can be suddenly popped out by pressurized grease.

- ※ When the grease is drained, move the track to the forward and backward slightly.

If the track tension is loose even after the grease is charged to the maximum, change the pins and bushings as there are worn seriously.



Length (L)	
360~390 mm	14.2~15.5"

32) ADJUSTMENT OF TRACK TENSION

(Machine Serial No. : #1897-)

⚠ Serious injury or death can result from grease under pressure. Keep face, hands and body away from the fitting valve.

※ It is important to adjust the tension of track properly to extend the life of track and traveling components.

※ The wear of pins and bushings on the undercarriage will vary with the working conditions and soil properties.

It is thus necessary to continually inspect the track tension so as to maintain the standard tension on it.

(1) Raise the chassis with the boom and arm as shown in the illustration.

(2) Measure the distance between bottom of track frame on track center and back of shoe.

※ Remove mud by rotating the track before measuring.

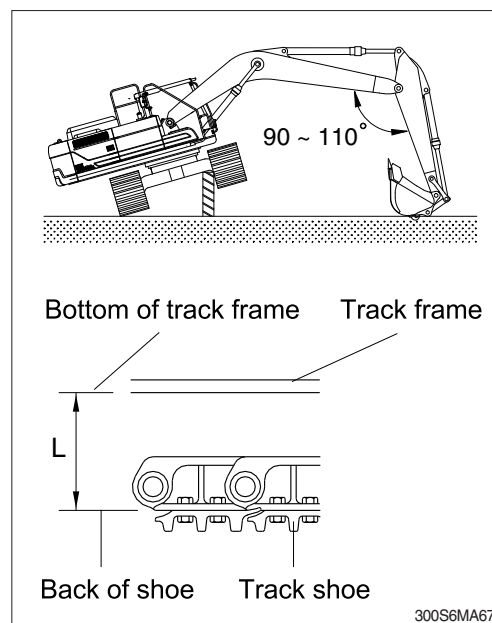
(3) The track tension can be adjusted using the grease fitting valve (A) and handle screws (B) located in the center of each side frame. When you fill the grease fittings with grease, it increases the length of the adjustable cylinders. As the adjustable cylinders become longer, pressure builds up in the tension springs, causing them to expand beyond the track idlers.

(4) If the tracks and adjustment devices expand to the point where there is insufficient deflection or space between parts, turn the handle screw clockwise once or twice to release some of the grease. Once the track tension is suitable, tighten the handle screw in the counterclockwise direction.

· Valve tightening torque : 7 ± 1 kgf·m (5.2 ± 0.7 lb·ft)

※ Check the tension again after rotating the track 3~4 times.

⚠ After draining, if the handle screw can not be turned counterclockwise, the grease will continue to drain. Moreover, excessive counterclockwise turning may damage the screw's stopper. Rotate the handle screw by no more than one or two turns.



Length (L)	
360~390 mm	14.2~15.4"

