

 HYUNDAI CONSTRUCTION EQUIPMENT

Head Office (Sales Office)
11F, GLOBAL R&D CENTER, 477 BUNDANG SUSEO-RO, BUNDANG-GU,
SEONGNAM-SI, GYEONGGI-DO, 13553, KOREA

PLEASE CONTACT

MOVING YOU **FURTHER**

HX300SG



*Photo may include optional equipment.

Power(Gross)	Operating weight	Bucket Capacity
169kW / 1,900rpm	29,540 kg	1.27 m ³ (1.66 yd ³)

SPECIFICATIONS

ENGINE			
Model		HYUNDAI HE6.7	
Type		Watercooled, 4 cycle Diesel, 6 Cylinders in line Direct injection, Turbo charged, charger air cooled and low emission	
Rated flywheel horse power	SAE	J1995(gross)	227 HP (169 kW) at 1,900 rpm
		J1349(net)	197 HP (147 kW) at 1,900 rpm
	DIN	6271/1(gross)	230 PS (169 kW) at 1,900 rpm
		6271/1(net)	200 PS (147 kW) at 1,900 rpm
Max. torque		97kgf-m (702 lbf-ft) at 1400 rpm	
Bore x stroke		107 x 124 mm (4.2" x 4.9")	
Piston displacement		6,700 cc (409 cu in)	
Batteries		2 x 12V x 150AH	
Starting motor		24V, 4.8kW	
Alternator		24 V, 90 Amp	
HYDRAULIC SYSTEM			
Main pump			
Type		Two variable displacement piston pumps	
Max. flow		2x266ℓ/min (2x70.3 U.S gpm / 2x58.5 U.K gpm)	
Sub-pump for pilot circuit		Gear pump	
Cross-sensing and fuel saving pump system			
Hydraulic motors			
Travel		Two speed axial piston motor with brake valve and parking brake	
Swlng		Axial piston motor with automatic brake	
Relief valve setting			
Implement circuits		330 kgf/cm ² 4690 psi)	
Travel		350 kgf/cm ² (4978 psi)	
Power boost (boom, arm, bucket)		360 kgf/cm ² (5120 psi)	
Swing circuit		300 kgf/cm ² (4267 psi)	
Pilot circuit		40 kgf/cm ² (569psi)	
Service valve		Installed	
Hydraulic cylinders			
No. of cylinder bore x stroke		Boom: 2-140 x 1465 mm (5.5" x 57.7")	
		Arm: 1-150 x 1765 mm (5.9" x 69.5")	
		Bucket: 1-140x 1185 mm (5.5" x 46.7")	
SWING SYSTEM			
Swing motor		Axial piston motor	
Swing reduction		Planetary gear reduction	
Swing bearing lubrication		Grease-bathed	
Swing brake		multi wet disc	
Swing speed		11.1 rpm	

DRIVES & BRAKES			
Drive method	Fully hydrostatic type		
Drive motor	Axial piston motor, in-shoe design		
Reduction system	Planetary reduction gear		
Max. drawbar pull	25,800 kgf (56880 lbf)		
Max. travel speed(high)/(low)	5.7 km/hr (3.5 mph) / 3.2 km/hr (2.0 mph)		
Gradeability	35° (70%)		
Parking brake	multi wet disc		
CONTROL			
Pilot control	Two joysticks with one safety lever (LH): Swing and arm, (RH): Boom and bucket(ISO)		
Traveling and steering	Two levers with pedals		
Engine throttle	Electric, Dial type		
External Lights	Two lights mounted on the boom one under the battery box		
COOLANT & LUBRICANT CAPACITY			
	liter	US gal	UK gal
Fuel tank	480.0	126.8	105.6
Engine coolant	50.0	13.2	11.0
Englne oil	3.1	6.1	5.1
Swing device	11.0	1.8	1.5
Final drive(each)	7.8	2.1	1.7
Hydraulic system (including tank)	320.0	84.5	70.4
Hydraulic tank	210.0	55.5	46.2
UNDERCARRIAGE			
X-leg type center frame is integrally welded with reinforced box-section track frames.			
Center frame	X - leg type		
Track frame	Pentagonal box type		
No. of shoes on each side	48		
No. of carrier roller on each side	2		
No. of track roller on each side	9		
No. of rail guides on each side	2		
OPERATING WEIGHT (APPROXIMATE)			
Operating weight, including 6.25 m (20' 6") boom, 3.05 m (10' 0") arm, SAE heaped 1.27m ³ (1.66 yd ³) backhoe bucket, lubricant, coolant, full fuel tank, hydraulic tank and the standard equipment.			
Operating Weight			
Shoes		Operating weight	Ground pressure
Type	Width mm (in)	kg (lb)	kgf/cm ² (psi)
Triple grouser	600mm (24")	29,540 kg (65120 lb)	0.57 (8.09)
	700mm (28")	30,090 kg (66,337 lb)	0.50 (7.11)
	800mm (32")	30,460 kg (67,153 lb)	0.44 (6.26)
Long reach	800mm (32")	32,610 kg (71,893lb)	0.47 (6.68)

DIMENSIONS & WORKING RANGE

HX300SG DIMENSIONS

The diagram illustrates the HX300SG excavator from two perspectives: a side profile and a rear view. The side profile shows the boom, arm, and bucket, with dimensions A (tumbler distance), B (overall length of crawler), C (ground clearance of counterweight), D (tail swing radius), D' (rear-end length), E (overall width of upperstructure), F (overall height of cab), G (min. ground clearance), and H (track gauge). The rear view shows the counterweight and track system, with dimensions I (overall length), J (overall height of boom), K (track shoe width), and L (overall width). The boom and arm lengths are also indicated as D(D') and E respectively.

Unit : mm (ft-in)

A	Tumbler distance	4,030 (13' 3")
B	Overall length of crawler	4,940 (16' 2")
C	Ground clearance of counterweight	1,190 (3' 11")
D	Tail swing radius	3,200 (10' 6")
D'	Rear-end length	3,120 (10' 3")
E	Overall width of upperstructure	2,980 (9' 9")
F	Overall height of cab	3,100 (10' 2")
G	Min. ground clearance	500 (1' 8")
H	Track guage	2,600 (8' 6")

* This figure includes the size of grousers.

Boom length	*6,250 (20' 6")					10,200 (33' 6")
Arm length	2,100 (6' 11")	2,500 (8' 2")	*3,050 (10' 0")	3,750 (12' 4")	7,850 (25' 9")	
I Overall length	10,750 (35' 3")	10,700 (35' 1")	10,590 (34' 9")	10,670 (35' 0")	14,550 (47' 9")	
J Overall height of boom	3,660 (12' 0")	3,520 (11' 7")	3,330 (10' 11")	3,530 (11' 7")	3,550 (11' 8")	
K Track shoe width	*600 (24")	700 (28")	800 (32")	900 (36")	800 (32")	
L Overall width	3,200 (10' 6")	3,300 (10' 10")	3,400 (11' 2")	3,500 (11' 6")	3,400 (11' 2")	

HX300SG WORKING RANGE

Unit : mm (ft-in)

The diagram illustrates the working range of the HX300SG excavator. It shows the boom, arm, and bucket in various positions, with dimensions A (max. digging reach), A' (max. digging reach on ground), B (max. digging depth), B' (max. digging depth at 8' level), C (max. vertical wall digging depth), D (max. digging height), E (max. dumping height), and F (min. swing radius). The diagram also shows the counterweight and track system.

Boom length	*6,250 (20' 6")					10,200 (33' 6")
Arm length	2,100 (6' 11")	2,500 (8' 2")	*3,050 (10' 0")	3,750 (12' 4")	7,850 (25' 9")	
A Max. digging reach	10,040 (32' 11")	10,310 (33' 10")	10,810 (35' 6")	11,420 (37' 6")	18,530 (60' 10")	
A' Max. digging reach on ground	9,820 (32' 3")	10,100 (33' 2")	10,610 (34' 10")	11,230 (36' 10")	18,410 (60' 5")	
B Max. digging depth	6,380 (20' 11")	6,780 (22' 3")	7,330 (24' 1")	8,030 (26' 4")	14,740 (48' 4")	
B' Max. digging depth (8' level)	6,180 (20' 3")	6,600 (21' 8")	7,170 (23' 6")	7,890 (25' 11")	14,660 (48' 1")	
C Max. vertical wall digging depth	5,910 (19' 5")	5,760 (18' 11")	6,280 (20' 7")	6,990 (22' 11")	13,770 (44' 11")	
D Max. digging height	10,130 (33' 3")	9,980 (32' 9")	10,200 (33' 6")	10,410 (34' 2")	14,590 (47' 10")	
E Max. dumping height	6,990 (22' 11")	6,930 (22' 9")	7,150 (23' 5")	7,360 (24' 2")	12,270 (40' 3")	
F Min. swing radius	4,420 (14' 6")	4,320 (14' 2")	4,270 (14' 0")	4,220 (13' 10")	6,270 (20' 7")	

*Standard equipment

BUCKET SELECTION GUIDE & DIGGING FORCE

BUCKETS

All buckets are welded with high-strength steel.

		
★ 0.52 (0.68)	◆ 1.46 (1.91)	
m ³ (yd ³)	1.27 (1.66)	◆ 1.50 (1.96)

Capacity m³ (yd³)		Width mm (in)		Weight kg (lb)	Tooth EA	Recommendation mm (ft/in)				
SAE heaped	CECE heaped	Without side cutters	With side cutters			6,250 (20' 6") Boom				10,200 (33' 6") Boom
						2,100 (6' 11") Arm	2,500 (8' 2") Arm	3,050 (10' 0") Arm	3,750 (12' 4") Arm	7,850 (25' 9") Arm
★ 0.52 (0.68)	0.45 (0.59)	945 (37")	1,035 (41")	470 (1,040)	5	-	-	-	-	●
1.27 (1.66)	1.11 (1.45)	1,325 (52")	1,410 (56")	1,135 (2,500)	5	●	●	◐	■	-
◆ 1.46 (1.91)	1.28 (1.67)	1,535 (60")	-	1,395 (3,080)	5	◐	◐	■	▲	-
◆ 1.50 (1.96)	1.30 (1.70)	1,550 (61")	-	1,575 (3,470)	5	◐	■	■	▲	-

- ◆ Heavy duty bucket
◆ Rock-Heavy duty bucket
★ Long reach bucket
- : Applicable for materials with density of 2,100 kgf/m³ (3,500 lbf/yd³) or less
● : Applicable for materials with density of 1,800 kgf/m³ (3,000 lbf/yd³) or less
■ : Applicable for materials with density of 1,500 kgf/m³ (2,500 lbf/yd³) or less
▲ : Applicable for materials with density of 1,200 kgf/m³ (2,000 lbf/yd³) or less
- : Not Recommended

ATTACHMENT

Booms and arms are of all-welded, low-stress, full-box section design.
6,250 mm (20' 6"), 10,200 mm (33' 6") Booms and 2,100 mm (6' 11"), 2,500 mm (8' 2"), 3,050mm (10' 0"), 3,750mm (12' 4"), 7,850 mm (25' 9") Arms are available, Hyundai Bucket are all-welded, high-strength steel implements.

DIGGING FORCE

Boom	Length	mm (ft'in)	6,250 (20' 6")				10,200 (33' 6")	Remark
	Weight	kg (lb)	2,780 (6,130)				3,530 (7,780)	
Arm	Length	mm (ft'in)	3,050 (10' 0")	2,100 (6' 11")	2,500 (8' 2")	3,750 (12' 4")	7,850 (25' 9")	
	Weight	kg (lb)	1,545 (3,410)	1,345 (2,970)	1,430 (3,150)	1,675 (3,690)	1,685 (3,710)	
Bucket Digging Force	SAE	kN	169 [184]	169 [184]	169 [184]	169 [184]	70 [76]	[] : Power Boost
		kgf	17,200 [18,760]	17,200 [18,760]	17,200 [18,760]	17,200 [18,760]	7,100 [7750]	
		lbf	37,920 [41,370]	37,920 [41,370]	37,920 [41,370]	37,920 [41,370]	15,650 [17,090]	
	ISO	kN	192 [210]	192 [210]	192 [210]	192 [210]	80 [88]	
		kgf	19,600 [21,380]	19,600 [21,380]	19,600 [21,380]	19,600 [21,380]	8,200 [8,950]	
		lbf	43,210 [47,140]	43,210 [47,140]	43,210 [47,140]	43,210 [47,140]	18,080 [19,730]	
Arm Crowd Force	SAE	kN	124 [135]	170 [185]	147 [161]	109 [119]	43 [47]	
		kgf	12,600 [13,750]	17,300 [18,870]	15,000 [16,360]	11,100 [12,110]	4,420 [4,820]	
		lbf	27,780 [30,310]	38,140 [41,610]	33,070 [36,080]	24,470 [26,690]	9,740 [10,630]	
	ISO	kN	129 [140]	178 [194]	154 [168]	112 [122]	44 [48]	
		kgf	13,100 [14,290]	18,100 [19,750]	15,700 [17,130]	11,400 [12,440]	4,500 [4,910]	
		lbf	28,880 [31,510]	39,900 [43,530]	34,610 [37,760]	25,130 [27,410]	9,920 [10,830]	

Note : Boom weight includes arm cylinder, piping, and pin
Arm weight includes bucket cylinder, linkage, and pin

LIFTING CAPACITY

 Rating over-front  Rating over-side or 360 degree

HX300SG

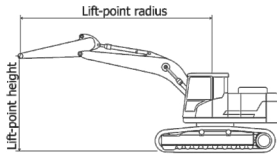
6.25 m (20' 6") boom, 2.10 m (6' 11") arm equipped with 600 mm (24") triple grouser shoe and 5,200 kg counter weight.

Lift point height m (ft)		Lift radius								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					*7,150	*7,150			*7,350	7,030	6.40
	lb					*15,760	*15,760			*16,200	15,500	(21.0)
6.0 m (19.7 ft)	kg					*7,360	*7,360			*7,240	5,430	7.44
	lb					*16,230	*16,230			*15,960	11,970	(24.4)
4.5 m (14.8 ft)	kg					*8,330	7,420	*7,370	5,280	7,290	4,670	8.06
	lb					*18,360	16,360	*16,250	11,640	16,070	10,300	(26.5)
3.0 m (9.8 ft)	kg					*9,550	7,010	*7,900	5,100	6,770	4,310	8.37
	lb					*21,050	15,450	*17,420	11,240	14,930	9,500	(27.5)
1.5 m (4.9 ft)	kg					*10,560	6,700	7,850	4,940	6,640	4,210	8.40
	lb					*23,280	14,770	17,310	10,890	14,640	9,280	(27.6)
0.0 m (0.0 ft)	kg					10,810	6,550	7,750	4,840	6,890	4,350	8.16
	lb					23,830	14,440	17,090	10,670	15,190	9,590	(26.8)
-1.5 m (-4.9 ft)	kg							7,780	4,870	7,650	4,800	7.60
	lb							17,150	10,740	16,870	10,580	(24.9)
-3.0 m (-9.8 ft)	kg	*17,130	*17,130	*13,040	10,180	*9,850	6,690			*8,410	5,860	6.66
	lb	*37,770	*37,770	*28,750	22,440	*21,720	14,750			*18,540	12,920	(21.9)
-4.5 m (-14.8 ft)	kg			*9,810	*9,810					*8,120	*8,120	5.12
	lb			*21,630	*21,630					*17,900	*17,900	(16.8)

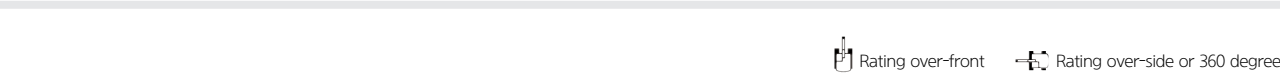
6.25 m (20' 6") boom, 2.50 m (8' 2") arm equipped with 600 mm (24") triple grouser shoe and 5,200 kg counter weight.

Lift point height m (ft)		Lift radius								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					*6,510	*6,510			*6,350	*6,350	6.74
	lb					*14,350	*14,350			*14,000	*14,000	(22.1)
6.0 m (19.7 ft)	kg					*6,870	*6,870	*6,670	5,440	*6,040	5,140	7.74
	lb					*15,150	*15,150	*14,700	11,990	*13,320	11,330	(25.4)
4.5 m (14.8 ft)	kg					*9,930	*9,930	*7,880	7,490	*6,990	5,310	8.34
	lb					*21,890	*21,890	*17,370	16,510	*15,410	11,710	(27.4)
3.0 m (9.8 ft)	kg					*12,770	10,610	*9,150	7,060	*7,600	5,110	8.64
	lb					*28,150	23,390	*20,170	15,560	*16,760	11,270	(28.3)
1.5 m (4.9 ft)	kg							*10,270	6,710	7,850	4,920	8.67
	lb							*22,640	14,790	17,310	10,850	(28.4)
0.0 m (0.0 ft)	kg					*15,040	9,840	10,790	6,520	7,710	4,800	8.43
	lb					*33,160	21,690	23,790	14,370	17,000	10,580	(27.7)
-1.5 m (-4.9 ft)	kg	*10,480	*10,480	*14,670	9,870	10,730	6,470	7,690	4,790	7,170	4,490	7.89
	lb	*23,100	*23,100	*32,340	21,690	23,660	14,260	16,950	10,560	15,810	9,900	(25.9)
-3.0 m (-9.8 ft)	kg	*18,430	*17,130	*13,520	10,030	*10,200	6,570			*8,350	5,380	6.99
	lb	*40,630	*37,770	*29,810	22,110	*22,490	14,480			*18,410	11,860	(22.9)
-4.5 m (-14.8 ft)	kg	*14,820	*17,130	*10,960	10,410					*8,540	7,690	5.55
	lb	*32,670	*37,130	*24,160	22,950					*18,830	16,950	(18.2)

- 1 1 | Lifting capacity are based on ISO 10567.
1 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.
1 3 | The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).
1 4 | (*) indicates load limited by hydraulic capacity.



LIFTING CAPACITY



HX300SG

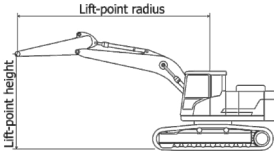
6.25 m (20' 6") boom, 3.05 m (10' 0") arm equipped with 600 mm (24") triple grouser shoe and 5,200 kg counter weight.

Lift point height m (ft)		Lift radius										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											*4,120	*4,120	7.38
	lb											*9,080	*9,080	(24.2)
6.0 m (19.7 ft)	kg							*6,020	5,510			*3,940	*3,940	8.30
	lb							*13,270	12,150			*8,690	*8,690	(27.2)
4.5 m (14.8 ft)	kg			*8,800	*8,800	*7,220	*7,220	*6,480	5,350			*3,930	*3,930	8.86
	lb			*19,400	*19,400	*15,920	*15,920	*14,290	11,790			*8,660	*8,660	(29.1)
3.0 m (9.8 ft)	kg			*11,640	10,880	*8,560	7,140	*7,170	5,130	*5,140	3,850	*4,060	3,740	9.14
	lb			*25,660	23,990	*18,870	15,740	*15,810	11,310	*11,330	8,490	*8,950	8,250	(30.0)
1.5 m (4.9 ft)	kg			*13,860	10,120	*9,800	6,740	7,840	4,910	*5,800	3,750	*4,340	3,640	9.17
	lb			*15,530	22,310	*21,610	14,860	17,280	10,820	*12,790	8,270	*9,570	8,020	(30.1)
0.0 m (0.0 ft)	kg			*14,820	9,790	*10,630	6,490	7,670	4,760			*4,830	3,720	8.94
	lb			*32,670	21,580	*23,440	14,310	16,910	10,490			*10,650	8,200	(29.3)
-1.5 m (-4.9 ft)	kg	*10,440	*10,440	*14,830	9,740	10,650	6,390	7,600	4,690			*5,670	4,010	8.44
	lb	*23,020	*23,020	*32,690	21,470	23,480	14,090	16,760	10,340			*12,500	8,840	(27.7)
-3.0 m (-9.8 ft)	kg	*16,850	*16,850	*14,030	9,850	*10,490	6,430	7,680	4,760			*7,280	4,680	7.61
	lb	*37,150	*37,150	*30,930	21,720	*23,130	14,180	16,930	10,490			*16,050	10,320	(25.0)
-4.5 m (-14.8 ft)	kg	*16,800	*16,800	*12,100	10,140	*8,850	6,670					*8,160	6,240	6.32
	lb	*37,040	*37,040	*26,680	22,350	*19,510	14,700					*17,990	13,760	(20.7)

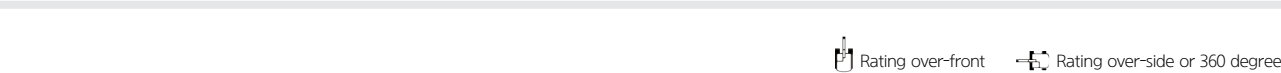
6.25 m (20' 6") boom, 3.75 m (10' 0") arm equipped with 600 mm (24") triple grouser shoe and 5,200 kg counter weight.

Lift point height m (ft)		Lift radius										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)		Reach
														m (ft)
9.0 m (29.5 ft)	kg													6.87
	lb													(24.2)
7.5 m (24.6 ft)	kg									*4,790	*4,790			8.14
	lb									*10,560	*10,560			(26.7)
6.0 m (19.7 ft)	kg									*5,290	*5,290			8.97
	lb									*11,660	*11,660			(29.4)
4.5 m (14.8 ft)	kg							*6,340	*6,340	*5,830	5,430			9.50
	lb							*13,980	*13,980	*12,850	11,970			(31.2)
3.0 m (9.8 ft)	kg					*10,190	*10,190	*7,750	7,280	*6,590	5,180	*5,990	3,860	9.76
	lb					*22,470	*22,470	*17,090	16,050	*14,530	11,420	*13,210	8,510	(32.0)
1.5 m (4.9 ft)	kg					*12,770	10,320	*9,140	6,820	*7,380	4,920	5,940	3,730	9.79
	lb					*28,150	22,750	*20,150	15,040	*16,270	10,850	13,100	8,220	(32.1)
0.0 m (0.0 ft)	kg			*6,390	*6,390	*14,290	9,810	*10,190	6,480	7,650	4,730	5,820	3,630	9.58
	lb			*14,090	*14,090	*31,500	21,630	*22,470	14,290	16,870	10,430	12,830	8,000	(31.4)
-1.5 m (-4.9 ft)	kg	*6,630	*6,630	*9,930	*9,930	*14,790	9,620	10,580	6,310	7,520	4,610	*5,340	3,580	9.11
	lb	*14,620	*14,620	*21,890	*21,890	*32,610	21,210	23,320	13,910	16,580	10,160	*11,770	7,890	(29.9)
-3.0 m (-9.8 ft)	kg	*10,420	*10,420	*14,550	*14,550	*14,440	9,650	10,550	6,290	7,520	4,610			8.35
	lb	*22,970	*22,970	*32,080	*32,080	*31,830	21,270	23,260	13,870	16,580	10,160			(27.4)
-4.5 m (-14.8 ft)	kg	*15,040	*15,040	*18,840	*18,840	*13,120	9,850	*9,740	6,420					7.19
	lb	*33,160	*33,160	*41,540	*41,540	*28,920	21,720	*21,470	14,150					(23.6)
-6.0 m (-19.7 ft)	kg			*14,260	*14,260	*10,040								5.38
	lb			*31,440	*31,440	*22,130								(17.6)

- 1 | Lifting capacity are based on 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 pivot mounting pin on the arm (without bucket mass).
- 4 | (*) indicates load limited by hydraulic capacity.



LIFTING CAPACITY



HX300SG LR

10.20 m (33' 6") boom, 7.85 m (25' 9") arm equipped with 800 mm (24") triple grouser shoe and 7,000 kg counter weight.

Lift point height m (ft)		Lift radius														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)	10.5 m (34.4 ft)	12.0 m (39.4 ft)	13.5 m (44.3 ft)	15.0 m (49.2 ft)	16.5 m (54.1 ft)	Capacity	Reach																	
13.5 m (44.3 ft)	kg																									*900	*900	12.91			
	lb																									*1,980	*1,980	(42.4)			
12.0 m (39.4 ft)	kg																		*1,170	*1,170							*850	*850	14.12		
	lb																		*2,580	*2,580							*1,870	*1,870	(46.3)		
10.5 m (34.4 ft)	kg																		*1,470	*1,470	*860	*860					*810	*810	15.07		
	lb																		*3,240	*3,240	*1,900	*1,900					*1,790	*1,790	(49.4)		
9.0 m (29.5 ft)	kg																		*1,670	*1,670	*1,260	*1,260					*800	*800	15.82		
	lb																		*3,680	*3,680	*2,780	*2,780					*1,760	*1,760	(51.9)		
7.5 m (24.6 ft)	kg																		*1,850	*1,850	*1,520	*1,520					*790	*790	16.40		
	lb																		*4,080	*4,080	*3,350	*3,350					*1,740	*1,740	(53.8)		
6.0 m (19.7 ft)	kg																				*1,730	*1,730	*1,060	*1,060			*800	*800	16.83		
	lb																		*4,890	*4,890	*4,540	*4,540	*3,810	*3,810	*2,340	*2,340	*1,760	*1,760	(55.2)		
4.5 m (14.8 ft)	kg																		*2,740	*2,740	*2,330	*2,330	*1,950	*1,950	*1,290	*1,290	*830	*830	17.11		
	lb																		*6,040	*6,040	*5,640	*5,640	*5,140	*5,140	*4,300	*4,300	*2,840	*2,840	*1,830	*1,830	(56.1)
3.0 m (9.8 ft)	kg																														17.26
	lb																														(56.6)
1.5 m (4.9 ft)	kg																														17.27
	lb																														(56.7)
0.0 m (0.0 ft)	kg																														17.15
	lb																														(56.3)
-1.5 m (-4.9 ft)	kg	*1,450	*1,450	*1,960	*1,960	*3,330	*3,330	*6,240	6,110	*6,160	4,600	*4,950	3,620	*4,150	2,940	*3,600	2,420	*3,200	2,010	*2,850	1,690	*1,500	1,420			*1,050	*1,050			16.90	
	lb	*3,200	*3,200	*4,320	*4,320	*7,340	*7,340	*13,760	13,470	*13,580	10,140	*10,910	7,980	*9,150	6,480	*7,940	5,340	*7,050	4,430	*6,280	3,730	*3,310	3,130			*2,310	*2,310			(55.4)	
-3.0 m (-9.8 ft)	kg	*2,110	*2,110	*2,620	*2,620	*3,800	*3,800	*6,180	5,850	*6,560	4,360	*5,270	3,430	*4,410	2,790	*3,800	2,300	3,310	1,930	2,840	1,630	*1,170	*1,170			*1,170	*1,170			16.51	
	lb	*4,650	*4,650	*5,780	*5,780	*8,380	*8,380	*13,620	12,900	*14,460	9,610	*11,620	7,560	*9,720	6,150	*8,380	5,070	7,300	4,250	6,260	3,590	*2,580	*2,580			*2,580	*2,580			(54.9)	
-4.5 m (-14.8 ft)	kg	*2,790	*2,790	*3,340	*3,340	*4,470	*4,470	*6,670	5,750	*6,800	4,230	*5,490	3,320	*4,600	2,690	3,840	2,230	3,260	1,880	*2,620	1,600					*1,310	*1,310			15.96	
	lb	*6,150	*6,150	*7,360	*7,360	*9,850	*9,850	*14,700	12,680	*14,990	9,330	*12,100	7,320	*10,140	5,930	8,470	4,920	7,190	4,140	*5,780	3,500					*2,890	*2,890			(52.4)	
-6.0 m (-19.7 ft)	kg	*3,510	*3,510	*4,130	*4,130	*5,310	*5,310	*7,520	5,750	*6,890	4,200	*5,600	3,270	4,570	2,640	3,800	2,200	3,240	1,860	*1,920	1,610					*1,520	*1,520			15.25	
	lb	*7,740	*7,740	*9,110	*9,110	*11,710	*11,710	*16,580	12,680	*15,190	9,260	*12,350	7,210	10,080	5,820	8,380	4,850	7,140	4,100	*4,230	3,550					*3,350	*3,350			(50.0)	
-7.5 m (-24.6 ft)	kg	*4,290	*4,290	*5,010	*5,010	*6,320	*6,320	*8,650	5,830	*6,830	4,230	*5,590	3,280	4,570	2,650	3,810	2,210	3,270	1,890							*1,830	1,750			14.34	
	lb	*9,460	*9,460	*11,050	*11,050	*13,930	*13,930	*19,070	12,850	*15,060	9,330	*12,320	7,230	10,080	5,840	8,400	4,870	7,210	4,170							*4,030	3,860			(47.0)	
-9.0 m (-29.5 ft)	kg	*5,160	*5,160	*6,030	*6,030	*7,570	*7,570	*8,260	6,000	*6,590	4,330	*5,420	3,350	*4,550	2,710	*3,850	2,270										*2,310	2,030			13.19
	lb	*11,380	*11,380	*13,290	*13,290	*16,690	*16,690	*18,210	13,230	*14,530	9,550	*11,950	7,390	*10,030	5,970	*8,490	5,000										*5,090	4,480			(43.3)
-10.5 m (-34.4 ft)	kg	*6,140	*6,140	*7,250	*7,250	*9,180	*9,180	*7,610	6,240	*6,120	4,510	*5,030	3,500	*4,180	2,850												*3,210	2,480			11.74
	lb	*13,540	*13,540	*15,980	*15,980	*20,240	*20,240	*16,780	13,760	*13,490	9,940	*11,090	7,720	*9,220	6,280													*7,080	5,470		
-12.0 m (-39.4 ft)	kg																														
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