

General

STANDARD CONFIGURATION

	UNIT	DX300LC-5K STANDARD ARM (US20)	DX350LC-5K STANDARD ARM (US20)	DX420LC-5 STANDARD ARM (US20)	DX490LC-5 STANDARD ARM (US20)	DX530LC-5 MASS EXCAVATION (US20)
ENGINE						
MAKE		Doosan	Doosan	Scania	Scania	Scania
MODEL		DL08P	DL08P	DC13	DC13	DC13
NUMBER OF CYLINDERS		6	6	6	6	6
RATED POWER GROSS (HP per SAE J1995)	hp (kW) @ rpm	271 (202) @ 1,800	286 (213) @ 1,800	345 (257) @ 1,800	380 (283) @ 1,800	380 (283) @ 1,800
RATED POWER NET (HP per SAE J1349)	hp (kW) @ rpm	267 (199) @ 1,800	280 (209) @ 1,800	338 (252) @ 1,800	373 (278) @ 1,800	373 (278) @ 1,800
MAXIMUM TORQUE (GROSS) (SAE J1995)	ft.-lb. (Nm) @ rpm	940 (1,275) @ 1,300	940 (1,275) @ 1,300	1,180 (1599) @ 1,300	1,301 (1764) @ 1,300	1,301 (1764) @ 1,300
PISTON DISPLACEMENT	in ³ (L)	466 (7.6)	466 (7.6)	775 (12.7)	775 (12.7)	775 (12.7)
BORE AND STROKE	in. x in. (mm x mm)	4.3" X 5.5" (108 X 139)	4.3" X 5.5" (108 X 139)	5.1" x 6.3" (130 x 160)	5.1" x 6.3" (130 x 160)	5.1" x 6.3" (130 x 160)
STARTER	V, hp (kW)	24V, 8 (6)	24V, 8 (6)	24V, 8 (6)	24V, 8 (6)	24V, 8 (6)
BATTERY (Qty 2)	V, AH, CCA	12V, 200AH, 1300	12V, 200AH, 1300	12V, 200AH, 1300	12V, 200AH, 1300	12V, 200AH, 1300
ALTERNATOR	V, amp	24V, 80	24V, 80	28V, 100	28V, 100	28V, 100
AIR CLEANER		Double Elements	Double Elements	Double Elements	Double Elements	Double Elements
HYDRAULICS						
MAIN PUMPS	gpm (L/min)	2 x 65.5 (2 x 248)	2 x 92.5 (2 x 350)	2 x 88.5 (2 x 335)	2 x 93.8 (2 x 355)	2 x 93.8 (2 x 355)
PILOT PUMP (Gear Design)	gpm (L/min)	7.1 (27)	6.3 (24)	6.3 (24)	6.3 (24)	6.3 (24)
RELIEF PRESSURE (Normal)	psi (kg/cm ²)	4,978 (350)	5,511 (387.5)	4,694 (330)	4,694 (330)	4,694 (330)
RELIEF PRESSURE (Boost)	psi (kg/cm ²)	5,263 (370)	5,511 (387.5)	4,978 (350)	4,978 (350)	4,978 (350)
MAXIMUM SYSTEM PRESSURE						
BOOM/ARM/BUCKET (Normal Mode)	psi (kg/cm ²)	4,978 (350)	5,511 (387.5)	4,694 (330)	4,694 (330)	4,694 (330)
BOOM/ARM/BUCKET (Power Mode)	psi (kg/cm ²)	5,263 (370)	5,511 (387.5)	4,978 (350)	4,978 (350)	4,978 (350)
TRAVEL (Normal Mode)	psi (kg/cm ²)	4,978 (350)	5,511 (387.5)	4,694 (330)	4,694 (330)	4,694 (330)
TRAVEL (Power Mode)	psi (kg/cm ²)	5,263 (370)	5,511 (387.5)	4,978 (350)	4,978 (350)	4,978 (350)
SWING (Normal Mode)	psi (kg/cm ²)	4,978 (350)	5,511 (387.5)	4,694 (330)	4,694 (330)	4,694 (330)
SWING (Power Mode)	psi (kg/cm ²)	5,263 (370)	5,511 (387.5)	4,978 (350)	4,978 (350)	4,978 (350)
UNDERCARRIAGE						
UPPER ROLLERS (Each Track)		2	2	2	3	3
LOWER ROLLERS (Each Track)		9	9	9	9	9
NUMBER OF SHOES (Links Per Side)		48	48	50	53	53
TOTAL LENGTH OF TRACK	ft. in. (mm)	16' 2" (4940)	16' 2" (4940)	17' 11" (5455)	17' 11" (5455)	17' 11" (5455)
SWING MECHANISM						
SWING SPEED	rpm	0-9.9	0-10.5	0-8.8	0-8.6	0-8.6
SWING TORQUE	lbf.ft (kgf.m)	87,787 (12 137)	112,907 (15 610)	118,332 (16 360)	145,600 (20 130)	145,600 (20 130)
DRIVE SYSTEM						
TRAVEL SPEED (Low – High)	mph (km/h)	1.9-3.3 (3.0-5.3)	2.1-3.4 (3.4-5.4)	1.9-3.2 (3.1-5.1)	1.9-3.4 (3.1-5.4)	1.9-3.2 (3.1-5.1)
TRACTION FORCE (Drawbar Pull)	lbf.ft (kgf.m)	77,162 (10 668)	83,335 (11 521)	90,169 (12 466)	100,531 (13 899)	100,531 (13 899)
MAXIMUM GRADE	% (*)	70 (35)	70 (35)	70 (35)	70 (35)	70 (35)
ENVIRONMENT						
SOUND LEVEL (2000/14/EC)	dB(A)	103	103	105	105	105
CABIN SOUND LEVEL (ISO 6396)	dB(A)	71	71	72	72	72
REFILL CAPACITIES						
FUEL TANK	gal. (L)	132.1 (500)	158.5 (600)	169.1 (640)	181 (685)	181 (685)
DEF TANK	gal. (L)	18.5 (70)	18.5 (70)	18.5 (70)	18.5 (70)	18.5 (70)
COOLING SYSTEM (Radiator Capacity)	gal. (L)	12.9 (49)	13.7 (52)	13.5 (51)	13.5 (51)	13.5 (51)
ENGINE OIL	gal. (L)	9.5 (36)	9.5 (36)	11.9 (45)	11.9 (45)	11.9 (45)
SWING DRIVE	gal. (L)	1.8 (7)	1.8 (7)	2.1 (8)	2X 1.3 (5)	2X 1.3 (5)
FINAL DRIVE (Each Side)	gal. (L)	1.8 (7)	1.8 (7)	1.8 (7.0)	2.6 (10)	2.6 (10)
HYDRAULIC SYSTEM	gal. (L)	82 (310)	119 (450)	127 (480)	132 (500)	132 (500)
HYDRAULIC TANK	gal. (L)	74 (280)	100 (380)	103 (390)	103 (390)	103 (390)

NOTE – Where applicable, dimensions are in accordance with ISO standards. Specifications and design are subject to change without notice. Images of Doosan units may show other than standard equipment. All dimensions are shown in feet and inches. Respective metric dimensions are enclosed by parentheses. Doosan equipment is manufactured with a Quality Management System that is in compliance with ISO 9001:2008 as registered with BSI.

Weight

DX300LC-5K

		STANDARD ARM (US20)	LONG ARM (US30)	SUPER LONG REACH (US50)
	SHOE SIZE in. (mm)	31.5" (800)	33.5" (850)	33.5" (850)
	COUNTERWEIGHT lb. (kg)	11,684 (5300)	13,889 (6300)	13,889 (6300)
	TRACK TYPE	FIXED	FIXED	FIXED
	UNIT			
Operating Weight	lb. (kg)	68,764 (31 191)	71,300 (32 341)	72,462 (32 868)
Ground Pressure	psi (kgf/cm ²)	6.5 (0.46)	6.1 (0.43)	6.1 (0.43)

DX350LC-5K

		STANDARD ARM (US20)	LONG ARM (US30)
	SHOE SIZE in. (mm)	31.5" (800)	33.5" (850)
	COUNTERWEIGHT lb. (kg)	15,653 (7100)	15,653 (7100)
	TRACK TYPE	FIXED	FIXED
	UNIT		
Operating Weight	lb. (kg)	80,654 (36 584)	80,769 (36 636)
Ground Pressure	psi (kgf/cm ²)	7.5 (0.53)	7.1 (0.5)

DX420LC-5

		STANDARD ARM (US20)	LONG ARM (US30)
	SHOE SIZE in. (mm)	31.5" (800)	35.4" (900)
	COUNTERWEIGHT lb. (kg)	17,637 (8000)	21,605 (9800)
	TRACK TYPE	FIXED	FIXED
	UNIT		
Operating Weight	lb. (kg)	94,799 (43 000)	99,689 (45 218)
Ground Pressure	psi (kgf/cm ²)	8.5 (0.6)	7.5 (0.53)

DX490LC-5

		STANDARD ARM (US20)	STANDARD ARM (US30)
	SHOE SIZE in. (mm)	35.4" (900)	35.4" (900)
	COUNTERWEIGHT lb. (kg)	20,283 (9200)	20,283 (9200)
	TRACK TYPE	VARIABLE	FIXED
	UNIT		
Operating Weight	lb. (kg)	112,206 (50 896)	108,900 (49 396)
Ground Pressure	psi (kgf/cm ²)	8.4 (0.59)	8.4 (0.59)

DX530LC-5

		STANDARD ARM (US20)	LONG ARM (US30)	SUPER LONG REACH (US50)
	SHOE SIZE in. (mm)	35.4" (900)	35.4" (900)	35.4" (900)
	COUNTERWEIGHT lb. (kg)	24,471 (11 100)	24,471 (11 100)	24,471 (11 100)
	TRACK TYPE	WIDE VARIABLE	WIDE VARIABLE	WIDE VARIABLE
	UNIT			
Operating Weight	lb. (kg)	116,576 (52 878)	116,528 (52 856)	117,112 (53 121)
Ground Pressure	psi (kgf/cm ²)	8.8 (0.62)	8.8 (0.62)	8.8 (0.62)

Specifications

Bucket

- 1 Capacity Based on ISO 7451
 - 2 Equipped with Side Cutters
 - 3 Equipped with Bolt-On Teeth
 - 4 Equipped with Bolt-On Cutting Edge
- Maximum Suitable Material Density
- A 3,370 lb./yd³ (2000 kg/m³)
 - B 2,700 lb./yd³ (1600 kg/m³)
 - C 1,850 lb./yd³ (1100 kg/m³)
 - X Not Approved
 - * Based on designed use, not material capacity.

DX300LC-5K

BUCKET TYPE	MODEL	CAPACITY ¹ yd ³ (m ³)	WIDTH in. (mm)	WEIGHT lb. (kg)	STANDARD ARM (US20)		LONG ARM (US20)		SUPER LONG REACH (US50)
					BOOM ft.-in. (mm)	ARM ft.-in. (mm)	SHOE SIZE in. (mm)	TRACK TYPE	MOUNT
HEAVY DUTY ^{2,3}	HF50-024	0.67 (0.51)	26 (660)	1,530 (694)	A	A	A	A	X
	HF50-030	0.89 (0.68)	32 (813)	1,709 (775)	A	A	A	A	X
	HF50-036	1.12 (0.86)	38 (965)	1,975 (896)	A	A	A	A	X
	HF50-042	1.36 (1.04)	44 (1118)	2,097 (951)	A	A	A	A	X
	HF50-048	1.61 (1.23)	50 (1270)	2,229 (1011)	A	A	A	A	X
	HF50-054	1.84 (1.41)	56 (1422)	2,423 (1099)	A	B	A	A	X
	HF50-060	2.09 (1.60)	62 (1575)	2,584 (1172)	B	B	A	B	X
	HF40-018	0.27 (0.21)	20 (508)	772 (350)	X	X	X	X	A
	HF40-024	0.41 (0.31)	26 (660)	878 (398)	X	X	X	X	A
	HF40-030	0.55 (0.42)	32 (813)	1013 (459)	X	X	X	X	A
DITCHING ⁴	BS960	1.26 (0.96)	60 (1500)	1,798 (816)	A	A	A	A	X
	BS972	1.54 (1.18)	72 (1829)	1,951 (885)	A	A	A	A	X
	BS984	1.82 (1.39)	84 (2134)	2,369 (1075)	A	B	A	A	X
	BS8B48	0.64 (0.49)	48 (1219)	602 (273)	X	X	X	X	A
	BS8B60	0.80 (0.61)	60 (1524)	908 (412)	X	X	X	X	A
HEAVY DUTY DITCHING	H30BW1850	2.78 (2.13)	73 (1850)	2894 (1313)	C*	C*	C*	C*	X

BUCKET TYPE	MODEL	CAPACITY ¹ yd ³ (m ³)	WIDTH in. (mm)	WEIGHT lb. (kg)	STANDARD ARM (US20)		LONG ARM (US30)	
					BOOM ft.-in. (mm)	ARM ft.-in. (mm)	SHOE SIZE in. (mm)	TRACK TYPE
HEAVY DUTY ^{2,3}	HF58-030	1.06 (0.81)	32 (813)	2,280 (1034)	A	A	A	A
	HF58-036	1.32 (1.01)	38 (965)	2,530 (1148)	A	A	A	A
	HF58-048	1.88 (1.44)	50 (1270)	3,018 (1369)	A	A	A	A
	HF58-054	2.17 (1.66)	56 (1422)	3,224 (1462)	A	B	B	B
	HF58-060	2.46 (1.88)	62 (1575)	3,443 (1557)	A	B	C	B
DITCHING ⁴	BS960	1.26 (0.96)	60 (1524)	1798 (816)	A	A	A	A
	BS972	1.54 (1.18)	72 (1829)	1,951 (885)	A	A	A	A
	BS984	1.82 (1.39)	84 (2134)	2,369 (1075)	A	A	A	B
HEAVY DUTY DITCHING	H38BW1850	3.26 (2.43)	73 (1850)	3668 (1664)	C*	C*	C*	C*

DX350LC-5K

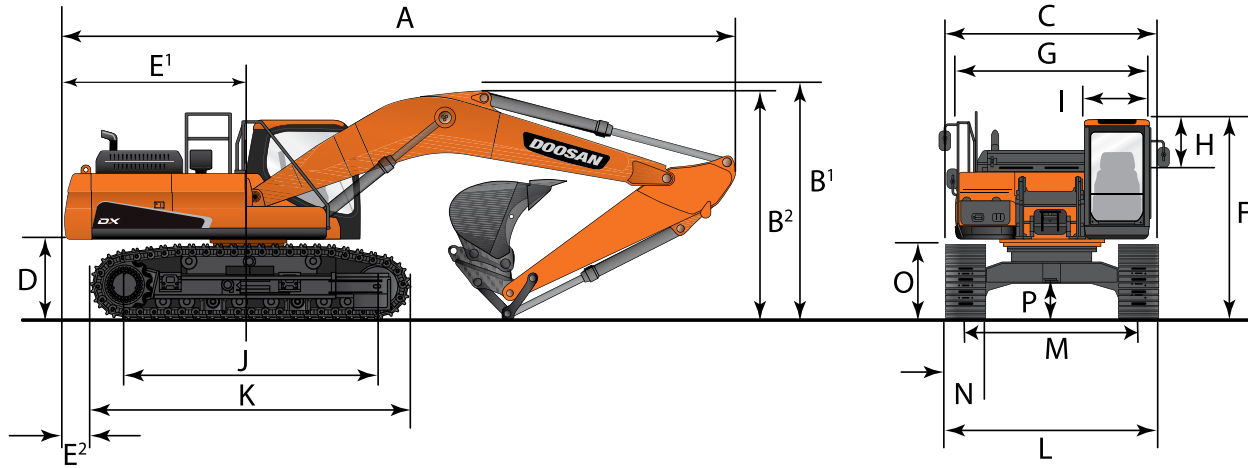
BUCKET TYPE	MODEL	CAPACITY ¹ yd ³ (m ³)	WIDTH in. (mm)	WEIGHT lb. (kg)	STANDARD ARM (US20)		LONG ARM (US30)	
					BOOM ft.-in. (mm)	ARM ft.-in. (mm)	SHOE SIZE in. (mm)	TRACK TYPE
HEAVY DUTY ^{2,3}	HF58-030	1.06 (0.81)	32 (813)	2,280 (1034)	A	A	A	A
	HF58-036	1.32 (1.01)	38 (965)	2,530 (1148)	A	A	A	A
	HF58-048	1.88 (1.44)	50 (1270)	3,018 (1369)	A	A	A	A
	HF58-054	2.17 (1.66)	56 (1422)	3,224 (1462)	A	B	B	B
	HF58-060	2.46 (1.88)	62 (1575)	3,443 (1557)	A	B	C	B
DITCHING ⁴	BS960	1.26 (0.96)	60 (1524)	1798 (816)	A	A	A	A
	BS972	1.54 (1.18)	72 (1829)	1,951 (885)	A	A	A	A
	BS984	1.82 (1.39)	84 (2134)	2,369 (1075)	A	A	A	B
HEAVY DUTY DITCHING	H38BW1850	3.26 (2.43)	73 (1850)	3668 (1664)	C*	C*	C*	C*

BUCKET TYPE	MODEL	CAPACITY ¹ yd ³ (m ³)	WIDTH in. (mm)	WEIGHT lb. (kg)	STANDARD ARM (US20)		LONG ARM (US30)	
					BOOM ft.-in. (mm)	ARM ft.-in. (mm)	SHOE SIZE in. (mm)	TRACK TYPE
HEAVY DUTY ^{2,3}	HF60-036	1.50 (1.15)	38 (965)	2,841 (1289)	A	A	A	A
	HF60-048	2.14 (1.64)	50 (1270)	3,382 (1534)	A	A	A	A
	HF60-054	2.51 (1.92)	56 (1422)	3,646 (1654)	A	A	A	A
	HF60-060	2.80 (2.14)	62 (1575)	3,922 (1779)	A	B	A	B
	HF60-066	3.23 (2.47)	68 (1727)	4,387 (1990)	B*	C	B*	C
HEAVY DUTY DITCHING	H30BW1850	3.26 (2.43)	73 (1850)	3788 (1718)	B*	C*	B*	C*

DX420LC-5

BUCKET TYPE	MODEL	CAPACITY ¹ yd ³ (m ³)	WIDTH in. (mm)	WEIGHT lb. (kg)	STANDARD ARM (US20)		LONG ARM (US30)	
					BOOM ft.-in. (mm)	ARM ft.-in. (mm)	SHOE SIZE in. (mm)	TRACK TYPE
HEAVY DUTY ^{2,3}	HF60-036	1.50 (1.15)	38 (965)	2,841 (1289)	A	A	A	A
	HF60-048	2.14 (1.64)	50 (1270)	3,382 (1534)	A	A	A	A
	HF60-054	2.51 (1.92)	56 (1422)	3,646 (1654)	A	A	A	A
	HF60-060	2.80 (2.14)	62 (1575)	3,922 (1779)	A	B	A	B
	HF60-066	3.23 (2.47)	68 (1727)	4,387 (1990)	B*	C	B*	C
HEAVY DUTY DITCHING	H30BW1850	3.26 (2.43)	73 (1850)	3788 (1718)	B*	C*	B*	C*

Dimensions



DX300LC-5K

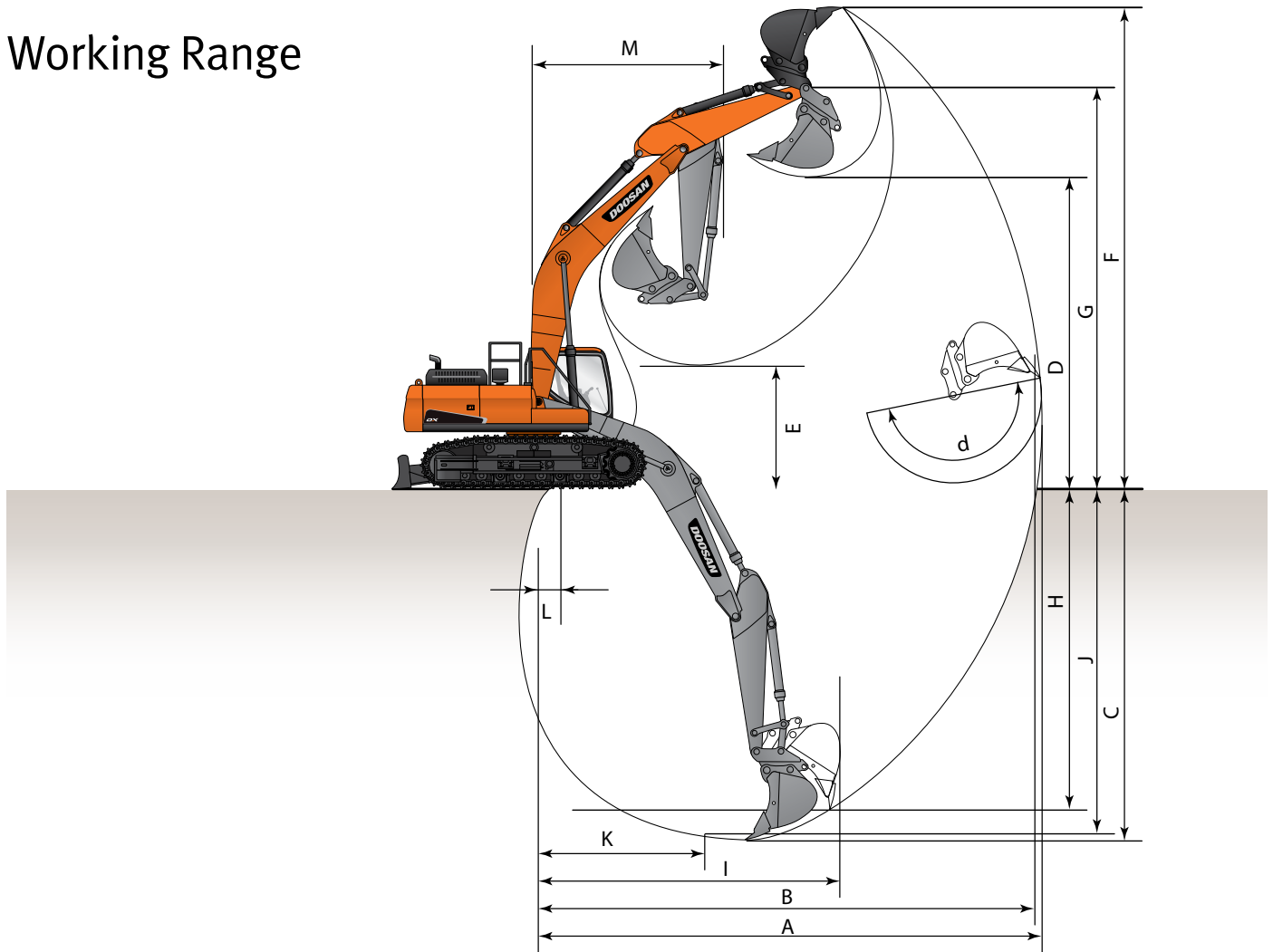
			STANDARD ARM (US20)	LONG ARM (US30)	SUPER LONG REACH (US50)
BOOM TYPE		ft.-in. (mm)	20' 6" (6245)	20' 6" (6245)	32' 10" (10 000)
ARM TYPE		ft.-in. (mm)	10' 2" (3100)	12' 4" (3750)	23' (7000)
BUCKET TYPE (SAE)		yd ³ (m ³)	1.66 (1.27)	1.35 (1.03)	0.84 (0.64)
TRACK TYPE			FIXED	FIXED	FIXED
SHIPPING LENGTH	A	ft.-in. (mm)	34' 8" (10 570)	35' (10 680)	46' 11" (14 320)
SHIPPING HEIGHT (BOOM)	B ₂	ft.-in. (mm)	10' 8" (3265)	11' 4" (3455)	11' (3365)
SHIPPING HEIGHT (HOSE)	B ₁	ft.-in. (mm)	11' (3370)	11' 8" (3575)	11' 4" (3475)
SHIPPING WIDTH	C	ft.-in. (mm)	11' 1" (3400)	11' 3" (3450)	11' 3" (3450)
COUNTERWEIGHT CLEARANCE	D	ft.-in. (mm)	45.3" (1150)	45.3" (1150)	45.3" (1150)
TAIL SWING RADIUS	E ₁	ft.-in. (mm)	10' 7" (3230)	10' 7" (3230)	10' 7" (3230)
TAIL SWING OVERHANG (REAR)	E ₂	ft.-in. (mm)	29.9" (760)	29.9" (760)	29.9" (760)
TAIL SWING OVERHANG (SIDE)	E ₂ *	ft.-in. (mm)	5' 2" (1580)	5' 1" (1568)	5' 1" (1568)
CABIN HEIGHT	F	ft.-in. (mm)	10' (3065)	10' (3065)	10' (3065)
UPPER STRUCTURE WIDTH	G	ft.-in. (mm)	9' 9" (2960)	9' 9" (2960)	9' 9" (2960)
CABIN HEIGHT ABOVE HOUSE	H	ft.-in. (mm)	33.3" (845)	33.3" (845)	33.3" (845)
CABIN WIDTH	I	ft.-in. (mm)	39.8" (1010)	39.8" (1010)	39.8" (1010)
TUMBLER DISTANCE	J	ft.-in. (mm)	13' 3" (4040)	13' 3" (4040)	13' 3" (4040)
OVERALL TRACK LENGTH	K	ft.-in. (mm)	16' 2" (4940)	16' 2" (4940)	16' 2" (4940)
UNDERCARRIAGE WIDTH	L	ft.-in. (mm)	11' 1" (3400)	11' 3" (3450)	11' 3" (3450)
TRACK GAUGE WIDTH	M	ft.-in. (mm)	8' 6" (2600)	8' 6" (2600)	8' 6" (2600)
TRACK SHOE WIDTH	N	ft.-in. (mm)	31.5" (800)	33.5" (850)	33.5" (850)
TRACK HEIGHT	O	ft.-in. (mm)	41.3" (1048)	41.3" (1048)	41.7" (1058)
CAR BODY CLEARANCE	P	ft.-in. (mm)	19.7" (500)	19.7" (500)	19.9" (505)

DX350LC-5K

			STANDARD ARM (US20)	LONG ARM (US30)
BOOM TYPE		ft.-in. (mm)	21' 4" (6500)	21' 4" (6500)
ARM TYPE		ft.-in. (mm)	10' 6" (3200)	13' (3950)
BUCKET TYPE (SAE)		yd ³ (m ³)	1.95 (1.49)	1.63 (1.25)
TRACK TYPE			FIXED	FIXED
SHIPPING LENGTH	A	ft.-in. (mm)	37' 1" (11 315)	37' 2" (11 345)
SHIPPING HEIGHT (BOOM)	B ₂	ft.-in. (mm)	10' 8" (3255)	11' 2" (3420)
SHIPPING HEIGHT (HOSE)	B ₁	ft.-in. (mm)	11' 1" (3390)	11' 7" (3550)
SHIPPING WIDTH	C	ft.-in. (mm)	11' 5" (3480)	11' 6" (3530)
COUNTERWEIGHT CLEARANCE	D	ft.-in. (mm)	47" (1195)	47" (1195)
TAIL SWING RADIUS	E ₁	ft.-in. (mm)	11' 6" (3530)	11' 6" (3530)
TAIL SWING OVERHAND (REAR)	E ₂	ft.-in. (mm)	41.7" (1060)	41.7" (1060)
TAIL SWING OVERHAND (SIDE)	E ₂ *	ft.-in. (mm)	5' 10" (1790)	5' 9" (1765)
CABIN HEIGHT	F	ft.-in. (mm)	10' 1" (3080)	10' 1" (3080)
UPPER STRUCTURE WIDTH	G	ft.-in. (mm)	9' 10" (3000)	9' 10" (3000)
CABIN HEIGHT ABOVE HOUSE	H	ft.-in. (mm)	33.3" (845)	33.3" (845)
CABIN WIDTH	I	ft.-in. (mm)	39.8" (1010)	39.8" (1010)
TUMBLER DISTANCE	J	ft.-in. (mm)	13' 3" (4040)	13' 3" (4040)
OVERALL TRACK LENGTH	K	ft.-in. (mm)	16' 2" (4940)	16' 2" (4940)
UNDERCARRIAGE WIDTH	L	ft.-in. (mm)	11' 5" (3480)	11' 6" (3530)
TRACK GAUGE WIDTH	M	ft.-in. (mm)	8' 10" (2680)	8' 10" (2680)
TRACK SHOE WIDTH	N	ft.-in. (mm)	31.5" (800)	33.5" (850)
TRACK HEIGHT	O	ft.-in. (mm)	41.3" (1048)	41.3" (1048)
CAR BODY CLEARANCE	P	ft.-in. (mm)	20.1" (510)	20.1" (510)

* Not shown
 ** Without catwalk/with catwalks
 *** Retracted/extended

Working Range



DX300LC-5K

		STANDARD ARM (US20)	LONG ARM (US30)	SUPER LONG REACH (US50)
BOOM TYPE	ft.-in. (mm)	20' 6" (6245)	20' 6" (6245)	32' 10" (10 000)
ARM TYPE	ft.-in. (mm)	10' 2" (3100)	12' 4" (3750)	23' (7000)
BUCKET TYPE (SAE)	yd ³ (m ³)	1.66 (1.27)	1.35 (1.03)	0.84 (0.64)
TRACK TYPE		FIXED	FIXED	FIXED
MAX. DIGGING REACH	A ft.-in. (mm)	35' 2" (10 725)	36' 10" (11 240)	57' 5" (17 510)
MAX. DIGGING REACH (GROUND)	B ft.-in. (mm)	34' 6" (10 530)	36' 3" (11 065)	57' (17 390)
MAX. DIGGING DEPTH	C ft.-in. (mm)	23' 11" (7305)	26' (7950)	45' 2" (13 780)
MAX. LOADING HEIGHT	D ft.-in. (mm)	23' 11" (7280)	24' 3" (7395)	39' 3" (11 975)
MIN. LOADING HEIGHT	E ft.-in. (mm)	9' (2750)	6' 11" (2110)	8' 11" (2730)
MAX. DIGGING HEIGHT	F ft.-in. (mm)	33' 10" (10 325)	34' 1" (10 405)	46' 7" (14 195)
MAX. BUCKET PIN HEIGHT	G ft.-in. (mm)	29' 1" (8880)	29' 7" (8990)	43' 7" (13 290)
MAX. VERTICAL WALL DEPTH	H ft.-in. (mm)	20' 1" (6125)	21' 7" (6600)	38' (11 590)
MAX. RADIUS VERTICAL	I ft.-in. (mm)	22' 5" (6840)	23' 2" (7070)	35' 9" (10 900)
MAX. DEPTH TO 8' LINE	J ft.-in. (mm)	23' 3" (7110)	25' 5" (7755)	43' 11" (13 395)
MIN. RADIUS 8' LINE	K ft.-in. (mm)	9' 10" (3000)	9' 6" (2920)	13' 6" (4140)
MIN. DIGGING REACH	L ft.-in. (mm)	24.4" (620)	-11" (-280)	45.7" (1160)
MIN. SWING RADIUS	M ft.-in. (mm)	13' 3" (4040)	13' 3" (4050)	20' (6120)
BUCKET ANGLE (DEG)	d Degrees	175°	174°	169°

DX350LC-5K

		STANDARD ARM (US20)	LONG ARM (US30)
		21' 4" (6500)	21' 4" (6500)
		10' 6" (3200)	13' (3950)
		1.95 (1.49)	1.63 (1.25)
		FIXED	FIXED
		36' 7" (11 170)	39' 1" (11 930)
		35' 11" (10 970)	38' 6" (11 745)
		24' 8" (7535)	27' 2" (8290)
		23' 6" (7175)	25' (7635)
		8' 10" (2710)	6' 4" (1955)
		33' 10" (10 315)	35' 5" (10 815)
		29' 1" (8880)	30' 7" (9340)
		19' 3" (5890)	22' 4" (6830)
		25' 3" (7720)	25' 6" (7785)
		24' 1" (7345)	26' 9" (8155)
		10' 10" (3320)	11' 1" (3395)
		28" (710)	-13.7" (-349)
		14' 7" (4455)	14' 10" (4515)
		178°	178°

Specifications

Digging Force (ISO)

DX300LC-5K		STANDARD ARM (US20)	LONG ARM (US30)	SUPER LONG REACH (US50)
BUCKET (PCSA)	BUCKET SIZE (SAE) yd ³ (m ³)	1.66 (1.27) STD	1.35 (1.03)	0.84 (0.64) SLR
DIGGING FORCE	lbf.	44,092	44,092	23,149
	kgf	20 000	20 000	10 500
	kN	196	196	103
ARM	ARM SIZE ft.-in. (mm)	10' 2" STD (3100)	12' 4" (3750)	23' (7000)
DIGGING FORCE	lbf.	30,644	27,337	16,535
	kgf	13 900	12 400	7500
	kN	136	122	74

DX350LC-5K		STANDARD ARM (US20)	LONG ARM (US30)
BUCKET (PCSA)	BUCKET SIZE (SAE) yd ³ (m ³)	1.95 (1.49) STD	1.63 (1.25)
DIGGING FORCE	lbf.	57,100	57,100
	kgf	25 900	25 900
	kN	254	254
ARM	ARM SIZE ft.-in. (mm)	10' 6" (3200)	13' 0" (3950)
DIGGING FORCE	lbf.	41,667	35,274
	kgf	18 900	16 000
	kN	185	157

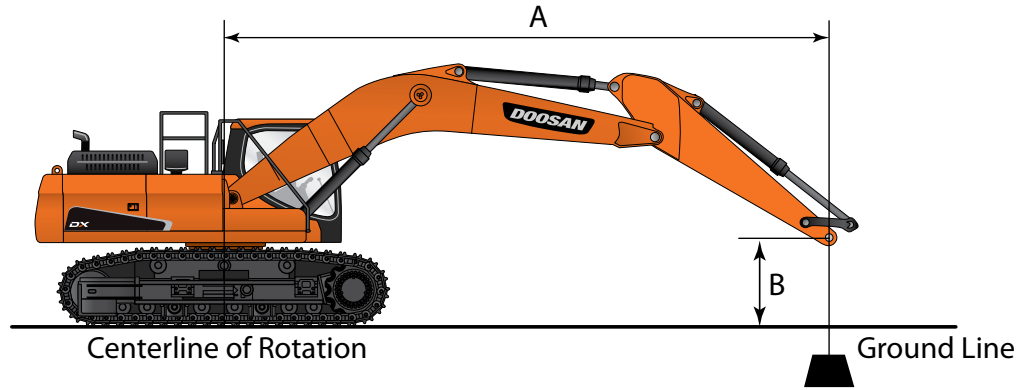
DX420LC-5		STANDARD ARM (US20)	LONG ARM (US30)
BUCKET (PCSA)	BUCKET SIZE (SAE) yd ³ (m ³)	2.49 (1.90) STD	1.88 (1.44)
DIGGING FORCE	lbf.	59,745	59,745
	kgf	27 100	27 100
	kN	266	266
ARM	ARM SIZE ft.-in. (mm)	10' 8" (3250)	13' (3950)
DIGGING FORCE	lbf.	43,431	37,258
	kgf	19 700	16 900
	kN	193	166

DX490LC-5		STANDARD ARM (US20 & US30)
BUCKET (PCSA)	BUCKET SIZE (SAE) yd ³ (m ³)	2.80 (2.14) STD
DIGGING FORCE	lbf.	67,902
	kgf	30 800
	kN	302
ARM	ARM SIZE ft.-in. (mm)	11' STD (3350)
DIGGING FORCE	lbf.	50,045
	kgf	22 700
	kN	223

DX530LC-5		STANDARD ARM (US20)	LONG ARM (US30)	SUPER LONG REACH (US50)
BUCKET (PCSA)	BUCKET SIZE (SAE) yd ³ (m ³)	3.1 (2.39) STD	2.80 (2.14)	1.22 (0.92) SLR
DIGGING FORCE	lbf.	67,902	67,902	33,510
	kgf	30 800	30 800	15 200
	kN	302	302	149
ARM	ARM SIZE ft.-in. (mm)	9' 6" STD (2900)	11' (3350)	26' 3" (8000)
DIGGING FORCE	lbf.	56,879	50,045	26,235
	kgf	25 800	22 700	11 900
	kN	253	223	117

Specifications

Lifting Capacity



DX300LC-5K Standard Arm (US20) – Fixed Track

Track Width: 11' 1" (3400 mm)	Bucket: None	Load Radius Over Front Load Radius Over Side
Boom: 20' 6" (6245 mm)	Track Shoe Width: 31.5" (800 mm)	
Arm: 10' 2" (3100 mm)	Counterweight: 11,685 lb. (5300 kg)	Unit: 1,000 lb. (1000 kg)

Feet

B ft \ A ft	5		10		15		20		25		MAX REACH		A ft		
25													* 12.01	* 12.01	23.53
20							* 15.01	* 15.01	* 14.95	13.31			* 11.50	* 11.50	26.74
15					* 20.53	* 20.53	* 17.35	* 17.35	* 15.88	13.00			* 11.50	10.34	28.72
10					* 27.16	26.55	* 20.50	17.42	* 17.46	12.53			* 11.91	9.57	29.73
5					* 32.78	24.79	* 23.56	16.53	* 19.14	12.06			* 12.76	9.29	29.88
0 (GROUND)					* 35.6	23.95	* 25.71	15.93	18.82	11.71			* 14.25	9.46	29.17
-5	* 19.16	** 19.16	* 27.69	* 27.69	* 36.00	23.74	26.05	15.67	18.66	11.56			16.30	10.20	27.53
-10	* 31.29	* 31.29	* 42.93	* 42.93	* 34.32	23.95	* 25.68	15.75					19.06	11.85	24.79
-15			* 41.43	* 41.43	* 29.80	24.59	* 21.68	16.28					* 20.86	15.79	20.49

Metric

B m \ A m	1.5		3		4.5		6		7.5		9		MAX REACH		A mm
7.5													* 5.42	* 5.42	7.27
6.0							* 6.87	* 6.87	* 6.78	6.20			* 5.21	* 5.21	8.19
4.5					* 9.55	* 9.55	* 8.00	* 8.00	* 7.27	6.04			* 5.22	4.67	8.77
3.0					* 12.64	12.30	* 9.47	8.07	* 8.02	5.81	* 5.96	4.39	* 5.41	4.33	9.07
1.5					* 15.20	11.50	* 10.88	7.66	* 8.81	5.59	6.78	4.29	* 5.80	4.21	9.10
0 (GROUND)					* 16.45	11.12	* 11.87	7.39	8.74	5.43			* 6.46	4.29	8.89
-1.5	* 8.59	* 8.59	* 12.25	* 12.25	* 16.60	11.03	12.11	7.27	8.66	5.36			7.38	4.62	8.40
-3.0	* 13.97	* 13.97	* 18.94	* 18.94	* 15.84	11.13	* 11.88	7.30	8.73	5.42			8.59	5.34	7.59
-4.5			* 19.23	* 19.23	* 13.86	11.41	* 10.21	7.52					* 9.44	7.02	6.32

*Hydraulically Limited

- Load point is the end of the arm.
- Capacities marked with an asterisk (*) are limited by hydraulic capacities.
- Lift capacities shown do not exceed 75% of minimum tipping loads or 87% of hydraulic capacities.
- The least stable position is over the side.
- The total mass of machine includes the mass of the boom, arm, counterweight, all operating fluids and 165 lb. (75 kg) operator.
- Lift capacities are in compliance with ISO 10567.