

CHANGES	DETAILS	DATE	WIRTE	APPROVE
Rev_02	ADD STD TRACK	AUG.22.2012	S.W. YUN	S.W. YUN
Rev_03	MODIFY BUCKET & ARM COMBINATIONS for DX220A	AUG.31.2012	S.W. YUN	S.W. YUN
Rev_04	ADD Forestry TRACK (DX220AF)			

DX225LCA/DX220A/DX220AF

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1. GENERAL SPECIFICATION

[DX225LCA]

ITEMS		UNIT	STD.	OPT. 1	OPT. 2	OPT. 3	OPT. 4	OPT. 5	
OPERATING WEIGHT		ton	21.5	←	21.6	21.5	←	23.2	
BUCKET CAPACITY (SAE)		m ³	0.92	1.05	0.81	1.28	1.17	0.39	
ENGINE	RATED POWER	PS/rpm	NET 150/1900 (GROSS 157/1900)						
	MAX. TORQUE	kg.m/rp	61.5/1400						
SYSTEM PRESSURE (WORK/TRAVEL)		kg/cm ²	330 (350) / 330						
SWING SPEED		rpm	11.0						
TRAVEL SPEED (High/Low)		km/h	5.5/3.0						
GRADEABILITY		%(deg)	70 (35°)						
SHOE WIDTH		mm	600						
GROUND PRESSURE		kg/cm ²	0.45	←	0.46	0.45	←	0.47	
DIGGING FORCE	BUCKET (Nor./Press. Up)	ton	14.3/15.2	←	←	←	←	9.4/10.0	
	ARM (Nor./Press. Up)	ton	10.2/10.8	11.9/12.6	9.1/9.7	14.4/15.3	11.9/12.6	5.64/5.98	
WORKING RANGE	MAX. DIGGING REACH	mm	9900	9480	10340	8580	8950	15379	
	MAX. DIGGING DEPTH	mm	6620	6110	7220	5355	5755	11661	
	MAX. DIGGING HEIGHT	mm	9750	9630	9870	8845	9065	13403	
	REAR SWING RADIUS	mm	2750	←	←	←	←	←	
	MIN. SWING RADIUS	mm	3410	←	3440	3370	3190	4714	
TRANSPOR - TATION DIMENSION	OVERALL LENGTH	mm	9485	9500	←	9080	8990	12317	
	OVERALL WIDTH	mm	2990	←	←	←	←	←	
	OVERALL WIDTH (Narrow)	mm	-						
	OVERALL HEIGHT	mm	3005	3110	3290	3210	3050	3254	
	GROUND CLEARANCE	mm	480	←	←	←	←	←	
	TRACK LENGTH	mm	4445	←	←	←	←	←	
	TRACK GAUGE	mm	2390	←	←	←	←	←	
	TRACK GAUGE (Narrow)	mm	-						
OPTION ATTACHMENT	<ul style="list-style-type: none"> • BOOM : STD. 5700mm, SHORT 5200mm, SUPER LONG 8500mm • ARM : STD. 2900mm, SHORT 2000mm, SHORT 2400mm, LONG 3500mm, SUPER LONG 6200mm • BUCKET (PCSA) : STD. 0.92 m³ OPT. 0.51 m³, 0.81 m³, 1.05 m³, 1.17 m³, 1.28 m³, SLR. 0.39 m³ • SHOE : STD. 600mm(G) OPT. 700mm(G), 800mm(G), 900mm(G) 								
		<ul style="list-style-type: none"> • STANDARD : STD. BOOM(5700mm), STD. ARM(2900mm), STD. BUCKET(0.92 m³) • OPTION 1 : STD. BOOM(5700mm), SHORT ARM(2400mm), OPT. BUCKET(1.05 m³) • OPTION 2 : STD. BOOM(5700mm), LONG ARM(3500mm), OPT. BUCKET(0.81 m³) • OPTION 3 : SHORT BOOM(5200mm), SHORT ARM(2000mm), OPT. BUCKET(1.28 m³) • OPTION 4 : SHORT BOOM(5200mm), SHORT ARM(2400mm), OPT. BUCKET(1.17 m³) • OPTION 5 : SUPER LONG BOOM(8500mm), SUPER LONG ARM(6200mm), SLR. BUCKET(0.39 m³) 							

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[DX220A]

ITEMS		UNIT	STD.	OPT. 1	OPT. 2
OPERATING WEIGHT		ton	20.6	←	21.1
BUCKET CAPACITY (SAE)		m ³	0.92	1.05	0.92
ENGINE	RATED POWER	PS/rpm	NET 150/1900 (GROSS 157/1900)		
	MAX. TORQUE	kg.m/rp	61.5/1400		
SYSTEM PRESSURE (WORK/TRAVEL)		kg/cm ²	330 (350) / 330		
SWING SPEED		rpm	11.0		
TRAVEL SPEED (High/Low)		km/h	5.5/3.0		
GRADEABILITY		%(deg)	70 (35°)		
SHOE WIDTH		mm	600		800
GROUND PRESSURE		kg/cm ²	0.48	←	0.37
DIGGING FORCE	BUCKET (Nor./Press. Up)	ton	14.3/15.2	14.3/15.2	14.3/15.2
	ARM (Nor./Press. Up)	ton	10.2/10.8	10.2/10.8	10.2/10.8
WORKING RANGE	MAX. DIGGING REACH	mm	9900	9480	9900
	MAX. DIGGING DEPTH	mm	6620	6110	6620
	MAX. DIGGING HEIGHT	mm	9750	9630	9750
	REAR SWING RADIUS	mm	2750	←	2750
	MIN. SWING RADIUS	mm	3410	←	3410
TRANSPOR - TATION DIMENSION	OVERALL LENGTH	mm	9485	9500	9485
	OVERALL WIDTH	mm	2800	←	3000
	OVERALL WIDTH (Narrow)	mm	-	-	-
	OVERALL HEIGHT	mm	3005	3110	3005
	GROUND CLEARANCE	mm	480	←	480
	TRACK LENGTH	mm	4065	←	4065
	TRACK GAUGE	mm	2200	←	2200
	TRACK GAUGE (Narrow)	mm	-	-	-
OPTION ATTACHMENT		<ul style="list-style-type: none"> • BOOM : STD. 5700mm • ARM : STD. 2900mm, SHORT 2400mm, • BUCKET (PCSA) : STD. 0.92 m³ OPT. 0.51 m³, 0.81 m³, 1.05 m³, 48" DART Bucket(1.07m³) • SHOE : 600mm(G), 800mm(G) 			
<ul style="list-style-type: none"> • STANDARD : STD. BOOM(5700mm), STD. ARM(2900mm), STD. BUCKET(0.92 m³) • OPTION 1 : STD. BOOM(5700mm), SHORT ARM(2400mm), OPT. BUCKET(1.05 m³) • OPTION 2 : STD. BOOM(5700mm), STD. ARM(2900mm), STD. BUCKET(0.92 m³), 800mm shoe 					

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[DX220AF]

ITEMS		UNIT	STD.
OPERATING WEIGHT		ton	21.9
BUCKET CAPACITY (SAE)		m ³	0.92
ENGINE	RATED POWER	PS/rpm	NET 150/1900 (GROSS 157/1900)
	MAX. TORQUE	kg.m/rp	61.5/1400
SYSTEM PRESSURE (WORK/TRAVEL)		kg/cm ²	330 (350) / 330
SWING SPEED		rpm	11.0
TRAVEL SPEED (High/Low)		km/h	5.5/3.0
GRADEABILITY		%(deg)	70 (35°)
SHOE WIDTH		mm	800
GROUND PRESSURE		kg/cm ²	0.35
DIGGING FORCE	BUCKET (Nor./Press. Up)	ton	14.3/15.2
	ARM (Nor./Press. Up)	ton	10.2/10.8
WORKING RANGE	MAX. DIGGING REACH	mm	9900
	MAX. DIGGING DEPTH	mm	6620
	MAX. DIGGING HEIGHT	mm	9750
	REAR SWING RADIUS	mm	2750
	MIN. SWING RADIUS	mm	3410
TRANSPOR - TATION DIMENSION	OVERALL LENGTH	mm	9485
	OVERALL WIDTH	mm	3190
	OVERALL WIDTH (Narrow)	mm	-
	OVERALL HEIGHT	mm	3005
	GROUND CLEARANCE	mm	480
	TRACK LENGTH	mm	4445
	TRACK GAUGE	mm	2390
	TRACK GAUGE (Narrow)	mm	-
OPTION ATTACHMENT		<ul style="list-style-type: none"> • BOOM : STD. 5700mm • ARM : STD. 2900mm • BUCKET (PCSA) : STD. 0.92 m³ OPT. 0.51 m³, 0.81 m³, 1.05 m³, 1.17 m³ • SHOE : 800mm(G) • CTWT : STD 3.8 ton 	
<ul style="list-style-type: none"> • STANDARD : STD. BOOM(5700mm), STD. ARM(2900mm), STD. BUCKET(0.92 m³), 3.8ton CTWT 			

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2. SPECIFICATION COMPARISON

ITEMS		UNIT	KOMATSU	CAT.	VOLVO	HYUNDAI	HITACHI
			PC200-8	320D	EC210B P	R220LC-9S	*ZX210MF
OPERATING WEIGHT		ton	19.5	20.3	20.4	21.9	20.8
BUCKET CAPACITY (SAE)		m ³	0.8	0.9	0.9	0.92	0.91
ENGINE	RATED POWER	PS/rpm	156/2000	140/1800	152/1800	145/1950	157/2000
	MAX. TORQUE	kg.m/rpm			74/1350	62.6/1500	58.3/1600
SYSTEM PRESSURE (WORK/TRAVEL)		kg/cm ²	380/380	350/350	330(350)/350	350(380)/35	350(370)/35
SWING SPEED		rpm	12.4	11.5	11.6	11.1	13.3
TRAVEL SPEED (High/Low)		km/h	5.5/4.1/3.	5.7/3.5	5.5/3.2	5.3/3.4	5.5/3.6
GRADEABILITY		%(deg)	35	35	35	35	35
SHOE WIDTH		mm	600	600	600	600	800
GROUND PRESSURE		kg/cm ²	0.46	0.44	0.43	0.46	0.34
DIGGING FORCE	BUCKET(Nor./Press.)	ton	14.1	13.1	13.6/14.7	15.2/16.5	15.2
	ARM (Nor./Press. Up)	ton	10.3	10.5	9.8/10.5	10.7/11.6	11.0
WORKING RANGE	MAX. DIGGING REACH	mm	9875	9870	9940	9980	9380
	MAX. DIGGING DEPTH	mm	6620	6640	6730	6730	6295
	MAX. DIGGING HEIGHT	mm	10000	9410	9450	9600	8400
	REAR SWING RADIUS	mm	2750	2750	2860	2830	2750
	MIN. SWING RADIUS	mm	3040	3265	3650	3740	3410
TRANSPOR - TATION DIMENSION	OVERALL LENGTH	mm	9425	9460	9700	9530	9490
	OVERALL WIDTH	mm	2800	2900	2800	2990	2863
	OVERALL HEIGHT	mm	3040	3030	2940	3030	3005
	GROUND CLEARANCE	mm	440	450	460	480	585
	TRACK LENGTH	mm	4070	4075	4170	4440	4172
	TRACK GAUGE	mm	2200	2200	2200	2390	2390
FRONT	BOOM LENGTH	mm	5700	5700	5700	5680	5680
	ARM LENGTH	mm	2925	2900	2900	2920	2910
TANK CAPACITY	FUEL TANK	Lit	400	410	350	400	360
	OIL TANK(Oil Level)	Lit	135	120	160	160	135

* Compare with DX220AF(Forestry Machine)

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3. ENGINE SYSTEM

1) ENGINE

MAKER & MODEL	:	<i>DOOSAN DB58TIS</i>
RATED HORSE POWER	:	<i>NET 150 PS @ 1900 rpm (KS B 6537)</i> <i>(GROSS 157 PS @ 1900 rpm)</i> <i>115 kW (157 PS) @ 1900 rpm</i> <i>110 kW (150 PS) @ 1900 rpm (DIN 6271)</i> <i>115 kW (154 HP) @ 1900 rpm (SAE J1995)</i> <i>110 kW (148 HP) @ 1900 rpm (SAE J1349)</i>
MAX. TORQUE	:	<i>61.5 kgf.m @ 1400 rpm</i>
FUEL CONSUMPTION	:	<i>163 g/ps.hr @ RATED SPEED (TIER-II)</i>
TYPE	:	<i>WATER-COOLED, 4-CYCLE DIRECT INJECTION</i>
DISPLACEMENT	:	<i>5785 cc</i>
No. OF CYLINDER	:	<i>6</i>
BORE DIA. & STROKE	:	<i>Φ 102 x 118 mm</i>
COMPRESSION RATIO	:	<i>18.5</i>
HIGH IDLE SPEED	:	<i>2030 ± 60 rpm</i>
LOW IDLE SPEED	:	<i>900 ± 50 rpm</i>
STARTING MOTOR	:	<i>24 V x 4.5 kW</i>
DRY WEIGHT	:	<i>500 kg</i>

2) ALTERNATOR

VOLTAGE	:	<i>24 V</i>
RATING AMPERES	:	<i>60 A</i>

3) BATTERY

SYSTEM VOLTAGE	:	<i>24 V</i>
QUANTITY	:	<i>12 V x 2</i>
CAPACITY (AMP)	:	<i>100 AH</i>

4) PUMP DRIVE

DRIVE TYPE	:	<i>FLEXIBLE COUPLING JOINT</i>
PERMISSIBLE TORQUE & RPM	:	<i>160 kgf.m, 4000 rpm</i>

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5) AIR CLEANER

TYPE : *DOUBLE ELEMENT*
FILTRATION AREA : *7.6 m² (OUTER), 1.4 m² (INNER)*
SIZE (DIA.x LENGTH) : *280 mm x 490 mm*

6) MUFLER

SIZE (DIA.x LENGTH) : *310 mm x 680 mm*

7) FAN

TYPE : *SUCKER, 9-BLADE, PLASTIC*
SIZE : *Φ 660.4 mm*
RPM AT RATED ENGINE RPM : *1840 rpm*
PULLEY RATIO : *0.944(TIER-II)*

8) RADIATOR

TYPE : *CORRUGATED WAVE FIN*
HEAT REJECTION CAPACITY : *MIN. 53,287 Kcal/h*

9) OIL COOLER

TYPE : *CORRUGATED WAVE FIN*
HEAT REJECTION CAPACITY : *MIN. 47,112 Kcal/h*

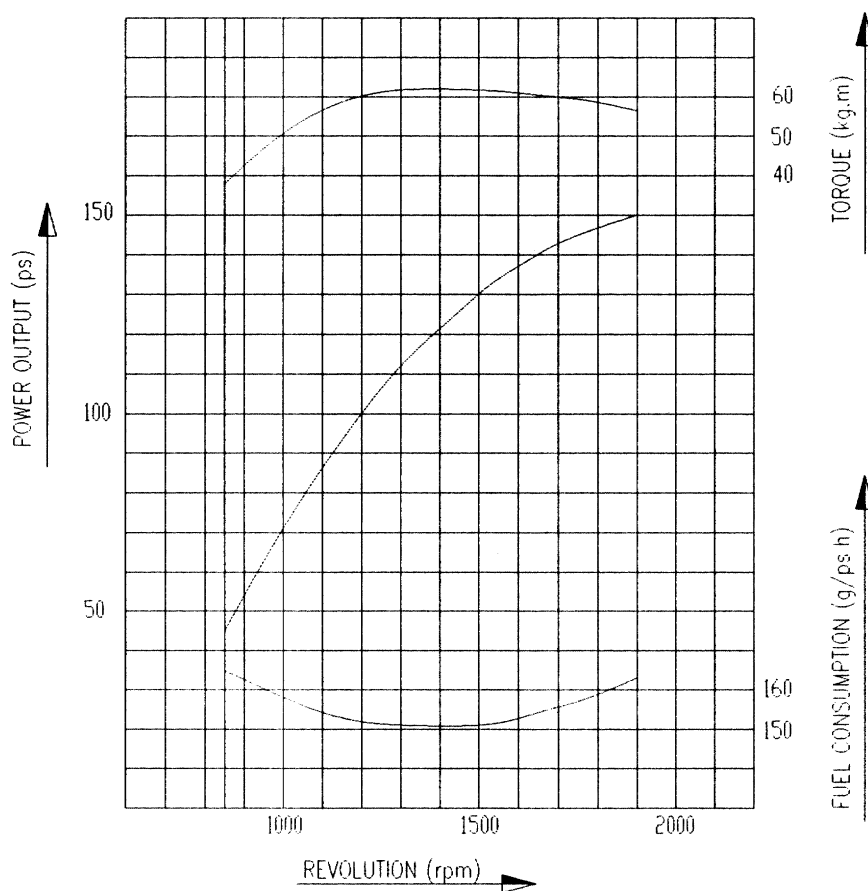
10) CHARGE AIR COOLER

TYPE : *CORRUGATED WAVE FIN*
HEAT REJECTION CAPACITY : *MIN. 16,174 Kcal/h*

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- ENGINE PERFORMANCE CURVE

CONDITION	SPECIFICATION
BAROMETIC PRESSURE	760 mmHg (20 °C)
COOLING FAN	Φ 660.4 , 9-BLADE, SUCKER
ALTERNATOR	24V x 60A
AIR CLEANER	○
MUFFLER	○



PERFORMANCE STANDARARD	KS-R1004
POWER (MAX , <u>RATED</u>)	150 PS / 1900 rpm
MAX. TORQUE	61.5 kg.m / 1400 rpm
FUEL CONSUMPTION (MAX , <u>RATED</u>)	163 g/ps.h

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4. HYDRAULIC SYSTEM

1) MAIN PUMP

TYPE : *Swash Plate, AXIAL PISTON*
DISPLACEMENT : *2 x 108.7 cc/rev*
MAX. FLOW RATE : *2 x 206.5 Liter/min*
WEIGHT : *135 kg*

2) PILOT PUMP

TYPE : *GEAR*
DISPLACEMENT : *15 cc/rev*
MAX. FLOW RATE : *28.5 Liter/min*
RELIEF VALVE PRESSURE : *40 kgf/cm²*

3) CONTROL VALVE

TYPE : *PILOT CONTROL*
SPOOL DIA. : *Φ 28 mm*
SPOOL ARRANGEMENT : *TR, OPT, SWING, BOOM2, ARM1*
TL, BUCKET, BOOM1, ARM2
RELIEF VALVE PRESSURE : *330/350 kgf/cm²*
PORT RELIEF VALVE PRESSURE : *360 kgf/cm²*
ACCESSARY VALVES : *FOOT RELIEF VALVE, BOOM HOLDING VALVE,*
ARM HOLDING VALVE

4) REMOTE CONTROL VALVE; IMPLEMENT

TYPE : *PILOT (2-STAGE JOYSTICK)*
MAKER & MODEL : *JEIL HYDRAULIC, JA7B8000*
PRESSURE/STROKE CHARACTERISTIC : *5.5 kgf/cm² (@ 1.0mm STROKE) ~*
(1,3) 17.5 kgf/cm² (@ 5mm STROKE)
(2,4) 19 kgf/cm² (@ 6.2mm STROKE)
26 kgf/cm² (@ 6.5mm(1,3), 7.5mm(2,4) STROKE)
WEIGHT : *4.8 kg*

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5) REMOTE CONTROL VALVE; TRAVEL

TYPE : PILOT (with DAMPER)
PRESSURE/STROKE CHARACTERISTIC : 7.5 kgf/cm² (@1mm STROKE) ~
27 kgf/cm² (@ 4.8mm STROKE)
WEIGHT : 7.5 kg

6) SOLENOID VALVE

RATED CAPACITY : DC 24V, 22W @25 °C
FUNCTION : TRAVEL 2-SPEED, PRESSURE UP,
SHEAR SELECT, SAFETY CUT OFF
HAMMER OPERATING

7) ACCUMULATOR

NITROGEN CHARGE PRESSURE : 10 kgf/cm²
VOLUME : 0.32 Liter

8) BY-PASS VALVE (1)

CRACKING PRESSURE : 2.5 kgf/cm² @ 10 Liter/min

9) BY-PASS VALVE (2)

CRACKING PRESSURE : 1.0 kgf/cm² @ 10 Liter/min

10) FILTERS

10-1) RETURN FILTER

SIZE : 10 μ , 1.6 m² (Φ 150 x 450 mm)
BY-PASS VALVE SETTING : 1.5 kgf/cm² @ 40 Liter/min

10-2) PILOT FILTER

SIZE : 10 μ , 620 cm²
BY-PASS VALVE SETTING : 1.7 kgf/cm² @ 5 Liter/min

10-3) SUCTION FILTER

SIZE : 177 μ (80 mesh), 0.296 m² (Φ 150 x 139 mm)

11) AIR BREATHER

CRACKING PRESSURE : 0.46 \pm 0.04 kgf/cm²
FILTER : 10 μ , 270 cm²

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- PUMP PERFORMANCE CURVE

[NORMAL MODE]

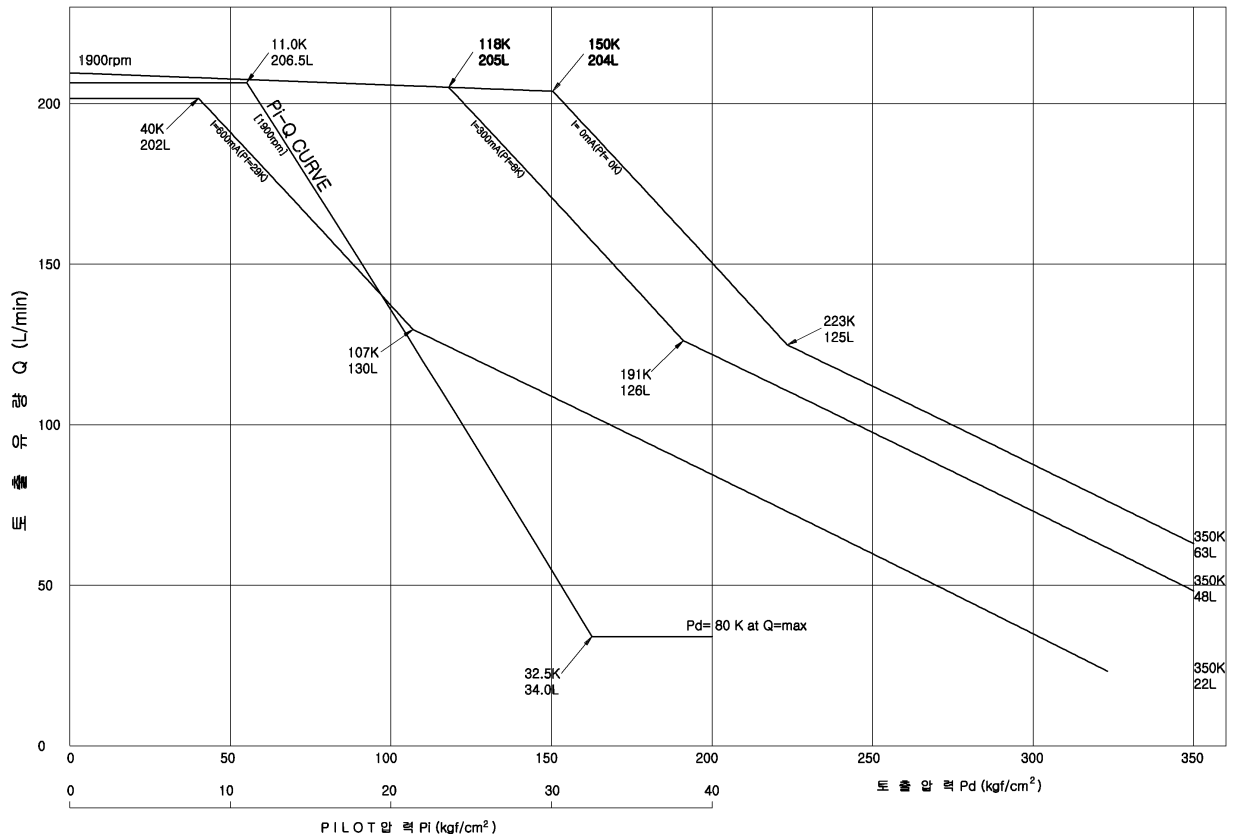
INPUT rpm ; 1900

INPUT POWER (INCLUDING GEAR PUMP) ; 131.5 PS

[POWER MODE]

INPUT rpm ; 1900

INPUT POWER (INCLUDING GEAR PUMP) ; 134 PS



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5. SWING MECHANISM

1) SWING MOTOR

TYPE	:	<i>AXIAL PISTON</i>
DISPLACEMENT	:	<i>140.5 cc/rev</i>
RELIEF VALVE SETTING PRESSURE	:	<i>270 kgf/cm²</i>
MAX. SUPPLY FLOW (@2000 RPM)	:	<i>223.5 Liter/min</i>
MOTOR SHAFT SPEED	:	<i>1,590 rpm</i>
MOTOR SHAFT TORQUE	:	<i>60.3 kgf.m</i>
ACCESSARY VALVES	:	<i>SWING REACTIONLESS VALVE</i>
WEIGHT	:	<i>56.5 kg</i>

2) SWING REDUCTION GEAR

DRIVE TYPE	:	<i>2-STAGE PLANETARY GEAR</i>
REDUCTION RATIO	:	<i>19.636</i>
MAX. OUTPUT SPEED	:	<i>80.9 rpm</i>
MAX. OUTPUT TORQUE	:	<i>1,184 kgf.m</i>
WEIGHT (INCLUDED MOTOR)	:	<i>162 kg (218.5kg)</i>

3) PINION GEAR

TYPE	:	<i>SPUR GEAR</i>
GEAR P.C.D.	:	<i>Φ 156 mm</i>
No. OF TEETH	:	<i>13</i>
MODULE	:	<i>12</i>

4) SWING BEARING

TYPE	:	<i>BALL BEARING, INTERNAL GEAR</i>
GEAR P.C.D.	:	<i>Φ 1104 mm</i>
No. OF TEETH	:	<i>92</i>
BALL DIA.	:	<i>Φ 31.75 mm</i>
RACE O.D.	:	<i>Φ 1327 mm</i>
RACE HEIGHT	:	<i>111.5 mm</i>
STATIC THRUST LOAD	:	<i>39,500Kg</i>
WEIGHT	:	<i>278.5 kg</i>

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5) SWING PERFORMANCE

MAX. SWING SPEED (EFF.=0.99) : 11.0 rpm
MAX. SWING TORQUE (EFF.=0.77) : 6,477 kgf.m

6) PARKING BRAKE

CONTROL TYPE : PILOT PRESSURE, MECHANICAL
BRAKE TORQUE : 63 kgf.m
BRAKE RELEASE PRESSURE : 23 kgf/cm²
SELECT V/V CRACKING PRESSURE : 13±2 kgf/cm²

7) MOTOR ACCESSARY

BRAKE TIME DELAYER : 5(+3/-0) sec

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6. TRAVEL SYSTEM

1) TRAVEL MOTOR

TYPE	:	<i>AXIAL PISTON, 2-SPEED</i>
DISPLACEMENT	:	<i>169.2 / 91.6 cc/rev</i>
CROSSOVER RELIEF VALVE SETTING	:	<i>330 kgf/cm²</i>
MAX. SUPPLY FLOW	:	<i>206.53 Liter/min</i>
MOTOR SHAFT SPEED	:	<i>1,220.6 / 2,254.7 rpm</i>
MOTOR SHAFT TORQUE	:	<i>88.9 / 48.1 kgf.m</i>

2) REDUCTION GEAR

TYPE	:	<i>3-STAGE PLANETERY GEAR</i>
REDUCTION GEAR RATIO	:	<i>49.95</i>
MAX. OUTPUT SPEED	:	<i>24.4 / 45.1 rpm</i>
MAX. OUTPUT TORQUE	:	<i>4,438.8 / 2,403.1 kgf.m</i>
WEIGHT (INCLUDE MOTOR)	:	<i>287 kg</i>

3) SPROCKET

SPROCKET P.C.D.	:	<i>Φ644.6 mm</i>
TRACK LINK PITCH	:	<i>190 mm</i>
No. OF TEETH	:	<i>21</i>
WEIGHT(DX225LCA)	:	<i>44 kg</i>

4) TRAVELLING PERFORMANCE

TRAVELLING SPEED (EFF.=96/95%)	:	<i>3.0 / 5.5 km/hr</i>
TRACTION FORCE (EFF.=79/77%)	:	<i>22.2 / 11.7 ton</i>
GRADEABILITY	:	<i>70 %</i>

5) PARKING BRAKE

CONTROL TYPE	:	<i>MAIN PRESSURE, MECHANICAL</i>
BRAKE TORQUE	:	<i>50.0 kgf.m</i>
BRAKE RELEASE PRESSURE	:	<i>6.0 kgf/cm²</i>

6) MOTOR ACCESSARY

MANUAL BRAKE RELEASE	:	<i>SCREW M10 x 135 L</i>
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7. UNDER CARRIAGE

1) RECOIL MECHANISM

TYPE	:	<i>HYDRAULIC ADJUSTED</i>
RECOIL SPRING PRELOAD	:	<i>13,310 kg</i>
RECOIL SPRING MAX. LOAD	:	<i>22,959 kg</i>
RECOIL SPRING STROKE	:	<i>44 mm</i>
ADJUSTER TYPE	:	<i>GREASE CYLINDER</i>
WEIGHT	:	<i>124 kg</i>

2) ROLLERS ; LOWER

FLANGE TYPE	:	<i>SINGLE</i>
Q'TY PER SIDE	:	<i>9 ea – LC TRACK</i> <i>8 ea – LC Forestry Track</i> <i>7 ea – STD TRACK</i>
DIA.	:	<i>Φ 154 mm</i>
WEIGHT	:	<i>37.9 kg</i>

3) ROLLERS ; UPPER

1-1) ROLLES ; UPPER – DX225LCA, DX220A

FLANGE TYPE	:	<i>SHAFT</i>
Q'TY PER SIDE	:	<i>2 ea</i>
DIA.	:	<i>Φ 142 mm</i>
WEIGHT	:	<i>24.8 kg</i>

1-2) ROLLES ; UPPER – DX220AF

FLANGE TYPE	:	<i>SINGLE</i>
Q'TY PER SIDE	:	<i>2 ea</i>
DIA.	:	<i>Φ 154 mm</i>
WEIGHT	:	<i>37.9 kg</i>

4) FRONT IDLER

DIA.	:	<i>Φ 500 mm</i>
WEIGHT	:	<i>119 kg</i>

MODEL	DX225LCA/DX220A/DX220AF	DWG No	K1025586	15/67
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5) TRACK LINK

No. OF LINK PER SIDE : 49 – LC TRACK, 45 ea – STD TRACK
 LINK PITCH : 190 mm
 PIN DIA. : ϕ 38 mm
 TRACK GAUGE : 2,390 mm – LC TRACK, FORESTRY TRACK
 2,200 mm – STD TRACK
 TUMBLER DISTANCE : 3,650 mm – LC TRACK, FORESTRY TRACK
 3,270 mm – STD TRACK
 WEIGHT : 1,441 kg – LC TRACK, FORESTRY TRACK
 1,324 kg – STD TRACK

6) TRACK SHOE

6-1) TRACK SHOE – LC TRACK

MAKER : DCF - TREK
 No. OF SHOE PER SIDE : 49 ea

SHOE WIDTH (mm)	GROUND PRESSURE (kgf/cm ²)	MACHINE WEIGHT (ton)
STD. 600G	0.45	21.5
OPT. 700G	0.40	21.8
OPT. 800G	0.35	22.1
OPT. 900G	0.31	22.4

6-2) TRACK SHOE – STD TRACK

MAKER : HYUNDAI STEEL
 No. OF SHOE PER SIDE : 45 ea

SHOE WIDTH (mm)	GROUND PRESSURE (kgf/cm ²)	MACHINE WEIGHT (ton)
STD. 600G	0.48	20.6

6-3) TRACK SHOE – FORESTRY TRACK

MAKER : HYUNDAI STEEL
 No. OF SHOE PER SIDE : 49ea

SHOE WIDTH (mm)	GROUND PRESSURE (kgf/cm ²)	MACHINE WEIGHT (ton)
STD. 800G	0.35	21.9

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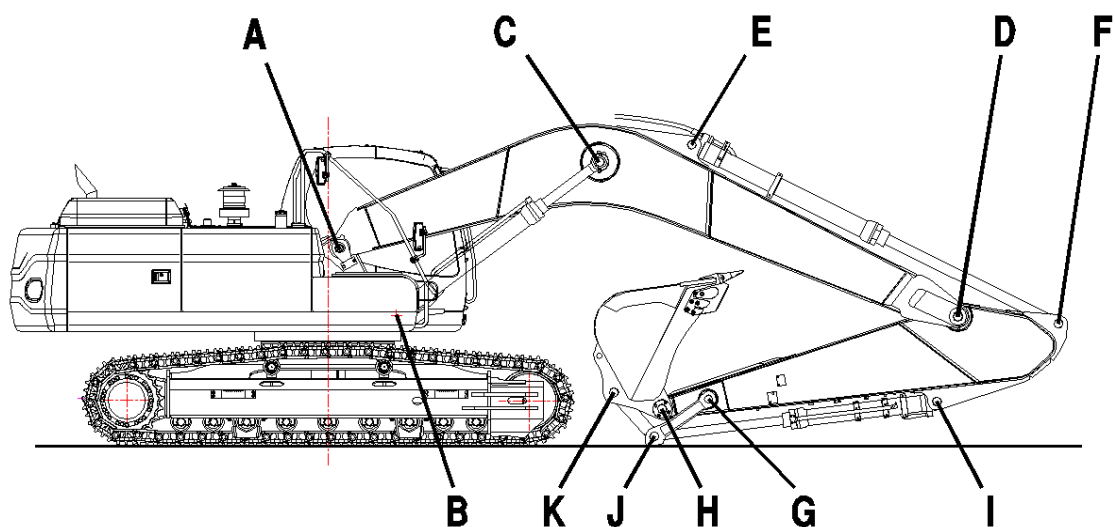
8. HYDRAULIC CYLINDERS

	BOOM	ARM	BUCKET	SLR BUCKET
QUANTITY	2	1	1	1
BORE	125	140	120	95
STROKE	1260	1450	1060	900
ROD DIA.	85	100	80	65
CLOSED LENGTH	1782	2010	1630	1375
HEAD END CUSHION	X	O	X	X
ROD END CUSHION	O	O	O	O

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9. FRONT

1) FRONT LINK PIN SIZES



POINT	DIA. (mm)	LENGTH (mm)	SLR FRONT (D/L)
A	90	782	←
B	80	196	←
C	80	782	←
D	90	519	←
E	80	220	←
F	80	219	←
G	71	425	65/354
H	80	507	65/424
I	80	205	65/187
J	80	425	65/354
K	80	507	65/424

MODEL

DX225LCA/DX220A/DX220AF

DWG No

K1025586

18/67

2) FRONT ATTACHMENTS

2-1) BOOM

	LENGTH (mm)	WEIGHT (kg)
STD. BOOM	5700	1445
SHORT BOOM	5200	1333
SLR BOOM	8500	1884

2-2) ARM

	LENGTH (mm)	WEIGHT (kg)	DIGGING FORCE (NOM./PRESS.UP, ton)
STD. ARM	2900	679	[SAE] 9.9 / 10.5, [ISO] 10.2 / 10.8
SHORT ARM	2000	579	[SAE] 13.8 / 14.7, [ISO] 14.4 / 15.3
SHORT ARM	2400	595	[SAE] 11.5 / 12.2, [ISO] 11.9 / 12.6
LONG ARM	3500	815	[SAE] 8.9 / 9.4, [ISO] 9.1 / 9.7
SLR ARM	6200	1052	[SAE] 5.56 / 5.89, [ISO] 5.64 / 5.98

2-3) BUCKET

	CAPACITY (m ³)			BUCKET WIDTH (mm)		DIGGING FORCE (NOM./PRESS.UP, ton)
	CECE	SAE	STRUCK	W/CUTTER	W/O CUTTER	
STD. BUCKET	0.81	0.92	0.69	1236	1172	[SAE] 12.5 / 13.3 [ISO] 14.3 / 15.2
OPT. BUCKET	0.47	0.51	0.42	772	722	
OPT. BUCKET	0.72	0.81	0.62	1126	1064	
OPT. BUCKET	0.92	1.05	0.78	1370	1308	
OPT. BUCKET	1.0	1.17	0.86	1491	1428	
OPT. BUCKET	1.11	1.28	1.94	1605	1542	[SAE] 8.1 / 8.6 [ISO] 9.4 / 10.0
SLR. BUCKET	0.35	0.39	0.31	820	736	

2-3) DART BUCKET

	CAPACITY (m ³)		BUCKET WIDTH (mm)		DIGGING FORCE (NOM./PRESS.UP, ton)
	CECE	SAE	W/CUTTER	W/O CUTTER	
SIDE PIN	0.67	0.73	982	916	[SAE] 12.9/13.7 [ISO] 14.1/14.9
	0.80	0.90	1130	1064	
	0.95	1.07	1286	1220	
	1.10	1.24	1438	1372	
	1.17	1.32	1516	1450	
	1.31	1.49	1666	1600	

MODEL	DX225LCA/DX220A/DX220AF	DWG No	K1025586	19/67
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2-4) BUCKET & ARM COMBINATIONS

[DX225LCA]

					C/W (ton)	4.1			5.3
					SHOE (mm)	600			600
Bucket Type	Capacity (m ³)		Width (mm)		Weight (kg)	5.7m Boom			SLR (8.5m)
	SAE/PCS A	CECE	W/O Cutter	With Cutter		2.4m A	2.9m A	3.5m A	SLR (6.2m)
GP	0.39	0.35	736	820	330	X	X	X	A
	0.51	0.47	722	772	529	A	A	A	X
	0.81	0.72	1064	1126	654	A	A	A	X
	0.92	0.81	1172	1236	697	A	A	A	X
	1.05	0.92	1308	1370	751	A	A	B	X
	1.17	1.0	1428	1491	809	A	B	C	X
	1.28	1.10	1542	1605	848	B	C	D	X
HD	0.73	0.67	916	982	732	A	A	A	X
	0.90	0.80	1064	1130	804	A	A	B	X
	1.07	0.95	1220	1286	864	A	B	C	X
	1.24	1.10	1372	1438	923	B	C	D	X
	1.32	1.17	1450	1516	967	B	C	D	X
	1.49	1.31	1600	1666	1039	C	D	X	X
DC	0.45	0.38	1,500	N/A	357	X	X	X	B
	0.54	0.46	1,800	N/A	401	X	X	X	C
Maximum load pin-on(payload+bucket)						3391	2997	2687	1272

Based on ISO 10567 and SAE J296, arm length without quick change clamp

A : Suitable for materials with density of 2100kg/m³ (3500lb/yd³) or less

B : Suitable for materials with density of 1800kg/m³ (3000lb/yd³) or less

C : Suitable for materials with density of 1500kg/m³ (2500lb/yd³) or less

D : Suitable for materials with density of 1200kg/m³ (2000lb/yd³) or less

X : Not recommended

MODEL	DX225LCA/DX220A/DX220AF	DWG No	K1025586	20/67
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[DX220A]

					C/W (ton)	3.8	
					SHOE (mm)	600	
Bucket Type	Capacity (m ³)		Width (mm)		Weight (kg)	5.7m Boom	
	SAE/PCSA	CECE	W/O Cutter	With Cutter		2.4m A	2.9m A
GP	0.51	0.47	722	772	529	A	A
	0.81	0.72	1064	1126	654	A	B
	0.92	0.81	1172	1236	707	B	C
	1.05	0.92	1308	1370	751	C	C
	1.17	1.0	1428	1491	809	C	X
	1.28	1.10	1542	1605	848	C	X
HD	0.73	0.67	916	982	732	A	B
	0.90	0.80	1064	1130	804	B	C
	1.07	0.95	1220	1286	864	C	X
	1.24	1.10	1372	1438	923	X	X
	1.32	1.17	1450	1516	967	X	X
	1.49	1.31	1600	1666	1039	X	X
Maximum load pin-on(payload+bucket)						2275	1980

Based on ISO 10567 and SAE J296, arm length

A : Suitable for materials with density of 2000kg/m³ (3370lb/yd³) or less

B : Suitable for materials with density of 1600kg/m³ (2690lb/yd³) or less

C : Suitable for materials with density of 1100kg/m³ (1850lb/yd³) or less

X : Not recommended

MODEL	DX225LCA/DX220A/DX220AF	DWG No	K1025586	21/67
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[DX220AF]

					C/W (ton)	3.8
					SHOE (mm)	800
Bucket Type	Capacity (m ³)		Width (mm)		Weight (kg)	5.7m Boom
	SAE/PCSA	CECE	W/O Cutter	With Cutter		2.9m A
GP	0.51	0.47	722	772	529	A
	0.81	0.72	1064	1126	654	B
	0.92	0.81	1172	1236	707	C
	1.05	0.92	1308	1370	751	C
	1.17	1.0	1428	1491	809	C
	1.28	1.10	1542	1605	848	X
HD	0.73	0.67	916	982	732	B
	0.90	0.80	1064	1130	804	C
	1.07	0.95	1220	1286	864	C
	1.24	1.10	1372	1438	923	X
	1.32	1.17	1450	1516	967	X
	1.49	1.31	1600	1666	1039	X
Maximum load pin-on(payload+bucket)						2157

Based on ISO 10567 and SAE J296, arm length

A : Suitable for materials with density of 2000kg/m³ (3370lb/yd³) or less

B : Suitable for materials with density of 1600kg/m³ (2690lb/yd³) or less

C : Suitable for materials with density of 1100kg/m³ (1850lb/yd³) or less

X : Not recommended

MODEL	DX225LCA/DX220A/DX220AF	DWG No	K1025586	22/67
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3) OPTION PIPINGS

3-1) ONE-WAY PIPING

MAIN & PILOT PIPING : *OPTION*
FRONT SUPPLY PIPING : *OPTION*
AVAILABLE ATTACHMENT : *BREAKER*

3-2) PE3C PIPING

MAIN & PILOT PIPING : *OPTION*
FRONT SUPPLY PIPING : *OPTION*
AVAILABLE ATTACHMENT : *BUCKET TILT CYLINDER, CLAMSHELL
CRUSHER*

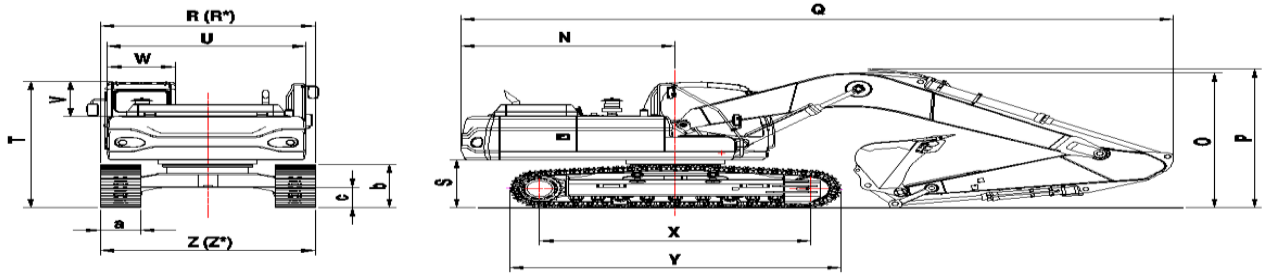
3-3) PERO PIPING

MAIN & PILOT PIPING : *OPTION*
FRONT SUPPLY PIPING : *OPTION*
AVAILABLE ATTACHMENT : *ROTATING GRAPPLE*

MODEL	DX225LCA/DX220A/DX220AF	DWG No	K1025586	23/67
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10. DIMENSIONS AND WORKING RANGE

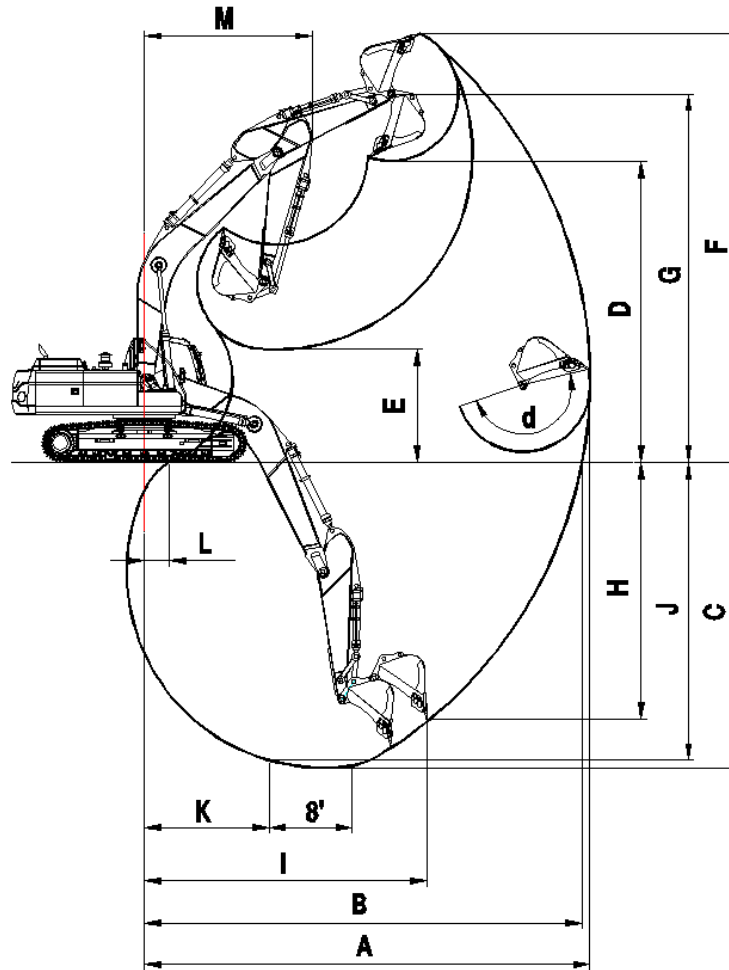
1) DIMENSIONS



BOOM TYPE (ONE PIECE)		(mm)	5700			5200		8500	
ARM TYPE		(mm)	2900	2400	3500	2000	2400	6200	
BUCKET TYPE (PCSA)		(m ³)	0.92	1.05	0.81	1.28	1.17	0.39	
TAIL SWING RADIUS		(mm)	N	2750	←	←	←	←	
SHIPPING HEIGHT (BOOM)		(mm)	O	2940	3045	3225	3145	2985	3175
SHIPPING HEIGHT (HOSE)		(mm)	P	3005	3110	3290	3210	3050	3254
SHIPPING LENGTH		(mm)	Q	9485	9500	9500	9080	8990	12317
SHIPPING WIDTH	LC Tack (mm)	R	2990	←	←	←	←	←	
	Forestry Track(mm)		3190	N/A	N/A	N/A	N/A	N/A	
	STD Tack (mm)		2800	←	←	←	←	N/A	
C/WEIGHT CLEARANCE		(mm)	S	1055	←	←	←	←	
HEIGHT OVER CAB.		(mm)	T	2975	←	←	←	←	
HOUSE WIDTH		(mm)	U	2710	←	←	←	←	
CAB. HEIGHT ABOVE HOUSE		(mm)	V	845	←	←	←	←	
CAB. WIDTH		(mm)	W	960	←	←	←	←	
TUMBLER DISTANCE	LC Tack (mm)	X	3650	←	←	←	←	←	
	Forestry Track(mm)		3650	N/A	N/A	N/A	N/A	N/A	
	STD Tack (mm)		3270	←	←	←	←	N/A	
TRACK LENGTH	LC Tack (mm)	Y	4445	←	←	←	←	←	
	Forestry Track(mm)		4445	N/A	N/A	N/A	N/A	N/A	
	STD Tack (mm)		4065	←	←	←	←	N/A	
UNDERCARRIAGE WIDTH	LC Tack (mm)	Z	2990	←	←	←	←	←	
	Forestry Track(mm)		3190	←	←	←	←	←	
	STD Tack (mm)		2800	←	←	←	←	N/A	
SHOE WIDTH	STD Track(mm)	a	600	←	←	←	←	←	
	Forestry Track(mm)		800	N/A	N/A	N/A	N/A	N/A	
TRACK HEIGHT	LC Tack (mm)	b	947	←	←	←	←	←	
	Forestry Track(mm)		947	N/A	N/A	N/A	N/A	N/A	
	STD Tack (mm)		982	←	←	←	←	←	
CAR BODY CLEARANCE		(mm)	c	480	←	←	←	←	

MODEL	DX225LCA/DX220A/DX220AF	DWG No	K1025586	24/67
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2) WORKING RANGE

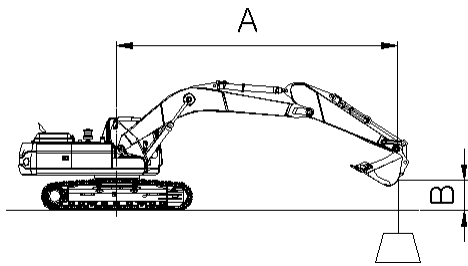




BOOM TYPE (ONE PIECE)	(mm)		5700			5200		8500
ARM TYPE	(mm)		2900	2400	3500	2000	2400	6200
BUCKET TYPE (PCSA)	(m ³)		0.92	1.05	0.81	1.28	1.17	0.39
MAX. DIGGING REACH	(mm)	A	9900	9480	10340	8580	8950	15379
MAX. DIGGING REACH (GROUND)	(mm)	B	9730	9300	10230	8380	8760	15268
MAX. DIGGING DEPTH	(mm)	C	6620	6110	7220	5355	5755	11661
MAX. LOADING HEIGHT	(mm)	D	6990	6830	7150	6085	6300	11148
MIN. LOADING HEIGHT	(mm)	E	2555	3070	1953	3370	3195	2009
MAX. DIGGING HEIGHT	(mm)	F	9750	9630	9870	8845	9065	13403
MAX. BUCKET PIN HEIGHT	(mm)	G	8450	8299	8612	7555	7770	12380
MAX. VERTICAL WALL DEPTH	(mm)	H	5640	5390	6010	4435	4880	9729
MAX. RADIUS VERTICAL	(mm)	I	6410	6050	6750	5790	5842	10064
MAX. DEPTH TO 8' LINE	(mm)	J	6430	5910	7050	5115	5545	11561
MIN. RADIUS 8' LINE	(mm)	K	2865	2880	2830	2495	2510	4854
MIN. DIGGING REACH	(mm)	L	519	1698	-224	1819	640	196
MIN. SWING RADIUS	(mm)	M	3410	3410	3440	3370	3190	4714
BUCKET ANGLE	(deg)	d	166	166	166	166	166	166

MODEL	DX225LCA/DX220A/DX220AF	DWG No	K1025586	25/67
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
11. LIFTING CAPACITIES

- STANDARD (1/2)









- TRACK WIDTH : 2.99m (9' 10") LC TRACK
- BOOM : 5.7m (18' 8")
- ARM : 2.9m (9' 6")
- BUCKET : SAE 0.92m³ HEAPED
(CECE 0.81m³)
- SHOE : 600mm (24")
- COUNTER WEIGHT : 4100 kg (9039 lb)
- UNIT : 1000 kg (1000 lb)
-  : RATING OVER FRONT
-  : RATING OVER SIDE OR 360 degree

METRIC

A(m) \ B(m)	2		3		4		5		6	
										
8										
7										
6									*4.53	*4.53
5									*4.87	*4.87
4							*5.95	*5.95	*5.37	4.79
3			*11.94	*11.94	*8.57	*8.57	*6.92	6.19	*5.97	4.64
2			*7.08	*7.08	*10.19	8.36	*7.89	5.93	*6.58	4.49
1			*5.62	*5.62	*11.36	8.03	*8.69	5.73	*7.11	4.36
0(GROUND)	*3.08	*3.08	*6.66	*6.66	*11.94	7.85	*9.21	5.59	7.05	4.26
1	*5.53	*5.53	*8.59	*8.59	*12.03	7.77	9.40	5.51	6.98	4.19
2	*7.92	*7.92	*11.11	*11.11	*11.71	7.77	*9.28	5.48	6.96	4.17
3	*10.58	*10.58	*14.12	12.89	*10.99	7.82	*8.81	5.51	6.98	4.19
4	*13.78	*13.78	*12.36	*12.36	*9.77	7.94	*7.86	5.59	*6.29	4.26
5			*9.77	*9.77	*7.80	*7.80	*6.10	5.75		
6										

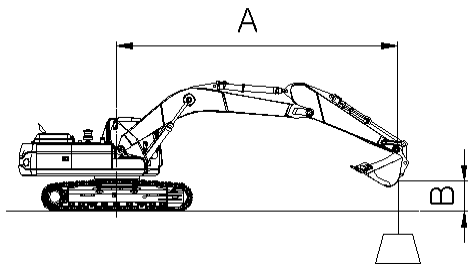
FEET



A(ft) \ B(ft)	10		15		20	
						
25					*8.41	*8.41
20					*9.94	*9.94
15					*11.10	10.46
10	*25.44	*25.44	*16.42	15.73	*12.94	10.00
5	*13.83	*13.83	*20.28	14.71	*14.86	9.52
0(GROUND)	*15.25	*15.25	*22.52	14.09	15.16	9.16
-5	*22.18	*22.18	*22.80	13.87	14.97	9.00
-10	*30.58	27.61	*21.20	13.95	15.02	9.03
-15	*23.99	*23.99	*17.02	14.32		
-20					*8.41	*8.41

1. RATINGS ARE BASED ON SAE J1097
2. LOAD POINT IS THE HOOK ON THE BACK OF THE BUCKET.
3. * RATED LOADS ARE BASED ON HYDRAULIC CAPACITY.
4. RATED LOADS DO NOT EXCEED 87% OF HYD. CAPACITY OR 75% OF TIPPING CAPACITY.







MODEL	DX225LCA/DX220A/DX220AF	DWG No	K1025586	26/67
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- STANDARD (2/2)







- TRACK WIDTH : 2.99m (9' 10") LC TRACK
- BOOM : 5.7m (18' 8")
- ARM : 2.9m (9' 6")
- BUCKET : SAE 0.92m³ HEAPED
(CECE 0.81m³)
- SHOE : 600mm (24")
- COUNTER WEIGHT : 4100 kg (9039 lb)
- UNIT : 1000 kg (1000 lb)
-  : RATING OVER FRONT
-  : RATING OVER SIDE OR 360 degree

METRIC

A(m) \ B(m)	7		8		MAX. REACH		
							A(m)
8					*3.42	*3.42	@5.94
7					*3.31	*3.31	@6.85
6	*4.39	3.84			*3.30	*3.30	@7.51
5	*4.69	3.79			*3.36	2.99	@7.99
4	*4.99	3.72	*4.50	2.95	*3.48	2.75	@8.32
3	*5.36	3.62	4.67	2.90	*3.65	2.59	@8.52
2	5.71	3.53	4.61	2.84	*3.89	2.51	@8.60
1	5.61	3.44	4.55	2.79	4.09	2.50	@8.56
0(GROUND)	5.54	3.37	4.51	2.75	4.18	2.54	@8.40
1	5.49	3.33	4.48	2.73	4.39	2.67	@8.11
2	5.48	3.32			4.76	2.90	@7.69
3	5.51	3.35			5.41	3.29	@7.09
4					*5.86	4.00	@6.28
5					*5.85	5.50	@5.15
6							

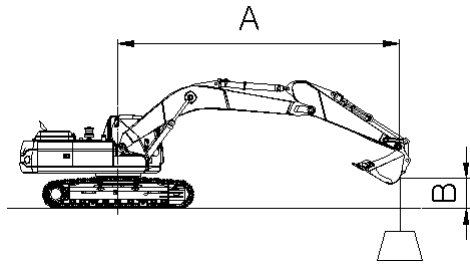
FEET

A(ft) \ B(ft)	25		MAX. REACH		
					A(ft)
25			*7.41	*7.41	@20.73
20			*7.28	*7.28	@24.45
15	*10.37	7.16	*7.50	6.34	@26.73
10	11.16	6.95	*8.03	5.73	@27.93
5	10.91	6.72	*8.91	5.51	@28.20
0(GROUND)	10.71	6.53	9.21	5.61	@27.56
-5	10.63	6.46	10.05	6.12	@25.95
-10			12.02	7.31	@23.15
-15			*12.97	10.35	@18.64
-20			*7.41	*7.41	@20.73

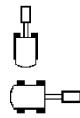
1. RATINGS ARE BASED ON SAE J1097
2. LOAD POINT IS THE HOOK ON THE BACK OF THE BUCKET.
3. * RATED LOADS ARE BASED ON HYDRAULIC CAPACITY.
4. RATED LOADS DO NOT EXCEED 87% OF HYD. CAPACITY OR 75% OF TIPPING CAPACITY.

MODEL	DX225LCA/DX220A/DX220AF	DWG No	K1025586	27/67
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- OPTION 5.7m, Boom 2.4m Arm (1/2)



TRACK WIDTH : 2.99m (9' 10") LC TRACK
 BOOM : 5.7m (18' 8")
 ARM : 2.4m (7' 7")
 BUCKET : SAE 1.05m³ HEAPED
 (CECE 0.92m³)
 SHOE : 600mm (24")
 COUNTER WEIGHT : 4100 kg (9039 lb)
 UNIT : 1000 kg (1000 lb)



: RATING OVER FRONT

: RATING OVER SIDE OR 360 degree

METRIC

A(m) \ B(m)	2		3		4		5	
8								
7								
6								
5							*5.77	*5.77
4			*10.28	*10.28	*7.83	*7.83	*6.58	6.36
3					*9.51	8.64	*7.52	6.12
2					*10.98	8.24	*8.41	5.89
1					*11.86	7.99	*9.07	5.72
0(GROUND)			*5.72	*5.72	*12.14	7.87	*9.43	5.61
1	*5.52	*5.52	*8.70	*8.70	*11.96	7.84	9.45	5.56
2	*8.80	*8.80	*12.21	*12.21	*11.41	7.87	*9.16	5.56
3	*12.33	*12.33	*13.09	*13.09	*10.45	7.95	*8.47	5.61
4	*13.90	*13.90	*11.03	*11.03	*8.93	8.10	*7.19	5.72
5					*6.36	*6.36		
6								

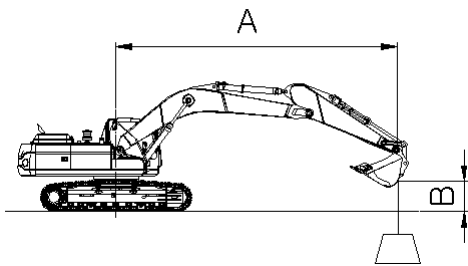
FEET

A(ft) \ B(ft)	10		15		20	
25						
20					*11.11	10.66
15			*14.13	*14.13	*12.15	10.38
10	*21.27	*21.27	*17.99	15.51	*13.87	9.95
5			*21.44	14.60	15.55	9.52
0(GROUND)	*13.18	*13.18	*23.02	14.13	15.22	9.23
-5	*23.57	*23.57	*22.63	14.03	15.11	9.13
-10	*28.35	28.06	*20.29	14.20	*14.76	9.24
-15	*20.56	*20.56	*14.76	14.69		

1. RATINGS ARE BASED ON SAE J1097
2. LOAD POINT IS THE HOOK ON THE BACK OF THE BUCKET.
3. * RATED LOADS ARE BASED ON HYDRAULIC CAPACITY.
4. RATED LOADS DO NOT EXCEED 87% OF HYD. CAPACITY OR 75% OF TIPPING CAPACITY.

MODEL	DX225LCA/DX220A/DX220AF	DWG No	K1025586	28/67
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- OPTION 5.7m Boom, 2.4m Arm (2/2)



TRACK WIDTH : 2.99m (9' 10") LC TRACK
 BOOM : 5.7m (18' 8")
 ARM : 2.4m (7' 7")
 BUCKET : SAE 1.05m³ HEAPED
 (CECE 0.92m³)
 SHOE : 600mm (24")
 COUNTER WEIGHT : 4100 kg (9039 lb)
 UNIT : 1000 kg (1000 lb)



: RATING OVER FRONT



: RATING OVER SIDE OR 360 degree

METRIC

A(m) \ B(m)	6		7		8		MAX. REACH		
									A(m)
8									
7	*5.03	4.98					*4.47	*4.47	@6.29
6	*5.06	4.96	*4.46	3.80			*4.44	3.79	@7.00
5	*5.37	4.88	*5.13	3.77			*4.51	3.32	@7.52
4	*5.84	4.76	*5.37	3.70			*4.66	3.03	@7.87
3	*6.40	4.62	*5.70	3.62	4.67	2.91	4.59	2.86	@8.08
2	*6.95	4.48	5.71	3.54	4.62	2.86	4.47	2.77	@8.17
1	7.17	4.37	5.63	3.46	4.58	2.82	4.47	2.75	@8.12
0(GROUND)	7.08	4.29	5.57	3.41			4.59	2.82	@7.96
1	7.03	4.24	5.54	3.39			4.85	2.98	@7.65
2	7.03	4.24	5.56	3.40			5.33	3.27	@7.20
3	*6.88	4.29					*6.05	3.78	@6.56
4							*6.08	4.77	@5.67
5							*5.73	*5.73	@4.38

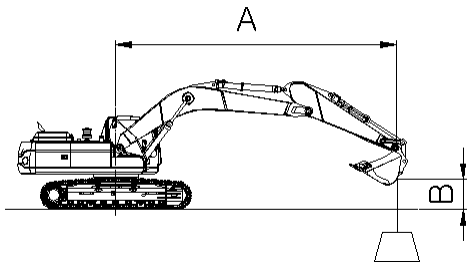
FEET

A(ft) \ B(ft)	25		MAX. REACH		
					A(ft)
25			*10.05	*10.05	@18.74
20			*9.78	8.49	@22.79
15	*10.73	7.13	*10.06	7.02	@25.22
10	11.16	6.96	10.15	6.31	@26.49
5	10.95	6.76	9.83	6.06	@26.78
0(GROUND)	10.80	6.62	10.11	6.21	@26.10
-5			11.18	6.85	@24.39
-10			*13.35	8.41	@21.39
-15			*13.15	12.87	@16.39

1. RATINGS ARE BASED ON SAE J1097
2. LOAD POINT IS THE HOOK ON THE BACK OF THE BUCKET.
3. * RATED LOADS ARE BASED ON HYDRAULIC CAPACITY.
4. RATED LOADS DO NOT EXCEED 87% OF HYD. CAPACITY OR 75% OF TIPPING CAPACITY.

MODEL	DX225LCA/DX220A/DX220AF	DWG No	K1025586	29/67
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- OPTION 5.7m Boom, 3.5m Arm (1/2)



TRACK WIDTH : 2.99m (9' 10") LC TRACK
 BOOM : 5.7m (18' 8")
 ARM : 3.5m (11' 6")
 BUCKET : SAE 0.81m³ HEAPED
 (CECE 0.72m³)
 SHOE : 600mm (24")
 COUNTER WEIGHT : 4100 kg (9039 lb)
 UNIT : 1000 kg (1000 lb)



: RATING OVER FRONT



: RATING OVER SIDE OR 360 degree

METRIC

A(m) \ B(m)	2		3		4		5	
8								
7								
6								
5								
4								
3			*9.80	*9.80	*7.45	*7.45	*6.21	*6.21
2			*13.13	*13.13	*9.20	8.53	*7.26	6.02
1			*8.04	*8.04	*10.63	8.12	*8.19	5.77
0(GROUND)	*3.76	*3.76	*7.64	*7.64	*11.54	7.85	*8.87	5.59
1	*5.45	*5.45	*8.73	*8.73	*11.93	7.71	*9.25	5.47
2	*7.33	*7.33	*10.55	*10.55	*11.87	7.66	9.30	5.41
3	*9.47	*9.47	*13.01	12.64	*11.41	7.68	*9.06	5.41
4	*12.02	*12.02	*13.59	12.79	*10.51	7.76	*8.40	5.46
5	*15.24	*15.24	*11.49	*11.49	*9.01	7.91	*7.19	5.57
6			*8.30	*8.30	*6.51	*6.51		

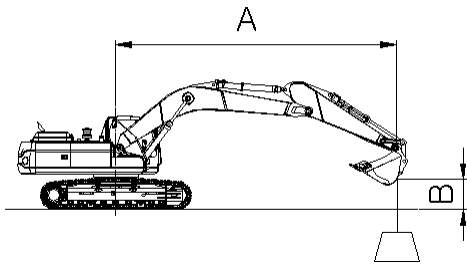
FEET

A(ft) \ B(ft)	10		15		20	
25						
20						
15					*9.93	*9.93
10			*14.55	*14.55	*11.86	10.14
5	*23.19	*23.19	*18.77	14.90	*13.97	9.59
0(GROUND)	*17.48	*17.48	*21.70	14.10	15.16	9.15
-5	*21.68	*21.68	*22.73	13.73	14.88	8.90
-10	*29.55	27.07	*21.90	13.70	14.83	8.86
-15	*27.18	*27.18	*18.87	13.96	*13.48	9.06
-20						

1. RATINGS ARE BASED ON SAE J1097
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3. * RATED LOADS ARE BASED ON HYDRAULIC CAPACITY.
4. RATED LOADS DO NOT EXCEED 87% OF HYD. CAPACITY OR 75% OF TIPPING CAPACITY.

MODEL	DX225LCA/DX220A/DX220AF	DWG No	K1025586	30/67
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- OPTION 5.7m Boom, 3.5m Arm (2/2)



TRACK WIDTH : 2.99m (9' 10") LC TRACK
 BOOM : 5.7m (18' 8")
 ARM : 3.5m (11' 6")
 BUCKET : SAE 0.81m³ HEAPED
 (CECE 0.72m³)
 SHOE : 600mm (24")
 COUNTER WEIGHT : 4100 kg (9039 lb)
 UNIT : 1000 kg (1000 lb)



: RATING OVER FRONT



: RATING OVER SIDE OR 360 degree

METRIC

A(m) \ B(m)	6		7		8		9		MAX. REACH		A(m)
8									*2.97	*2.97	@6.61
7			*3.54	*3.54					*2.89	*2.89	@7.43
6			*4.04	3.92	*2.98	*2.98			*2.89	*2.89	@8.04
5			*4.24	3.86	*3.87	3.05			*2.94	2.72	@8.49
4	*4.83	*4.83	*4.57	3.77	*4.39	2.99			*3.03	2.51	@8.81
3	*5.46	4.71	*4.97	3.67	*4.64	2.93			*3.18	2.38	@9.00
2	*6.13	4.54	*5.41	3.56	4.63	2.86	*3.62	2.33	*3.38	2.30	@9.07
1	*6.74	4.38	5.63	3.45	4.55	2.79	3.77	2.29	*3.65	2.28	@9.03
0(GROUND)	7.05	4.25	5.53	3.36	4.49	2.73			3.82	2.31	@8.88
1	6.95	4.16	5.46	3.30	4.45	2.69			3.98	2.41	@8.61
2	6.90	4.12	5.43	3.27	4.44	2.68			4.27	2.58	@8.21
3	6.90	4.11	5.43	3.28					4.75	2.88	@7.66
4	*6.83	4.15							5.59	3.39	@6.91
5									*5.77	4.36	@5.91
6									*5.75	*5.75	@4.46

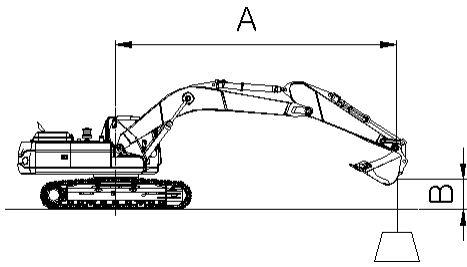
FEET

A(ft) \ B(ft)	25		MAX. REACH		A(ft)
25			*6.45	*6.45	@22.80
20	*7.80	7.43	*6.36	*6.36	@26.22
15	*9.48	7.28	*6.55	5.78	@28.35
10	*10.43	7.02	*6.99	5.25	@29.49
5	10.94	6.74	*7.71	5.03	@29.75
0(GROUND)	10.68	6.50	8.42	5.09	@29.14
-5	10.54	6.37	9.07	5.48	@27.62
-10	10.56	6.39	10.55	6.38	@25.02
-15			*12.58	8.49	@20.92
-20			*12.60	*12.60	@14.05

1. RATINGS ARE BASED ON SAE J1097
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3. * RATED LOADS ARE BASED ON HYDRAULIC CAPACITY.
4. RATED LOADS DO NOT EXCEED 87% OF HYD. CAPACITY OR 75% OF TIPPING CAPACITY.

MODEL	DX225LCA/DX220A/DX220AF	DWG No	K1025586	31/67
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- OPTION 5.2m Boom, 2.0m Arm (1/2)



TRACK WIDTH : 2.99m (9' 10") LC TRACK
 BOOM : 5.2m (17' 1")
 ARM : 2.0m (6' 7")
 BUCKET : SAE 1.28m³ HEAPED
 (CECE 1.11m³)
 SHOE : 600mm (24")
 COUNTER WEIGHT : 4100 kg (9039 lb)
 UNIT : 1000 kg (1000 lb)



: RATING OVER FRONT



: RATING OVER SIDE OR 360 degree

METRIC

A(m) \ B(m)	2		3		4		5	
8								
7								
6							*5.82	*5.82
5							*6.21	*6.21
4			*10.34	*10.34	*8.08	*8.08	*6.92	6.35
3					*9.68	8.71	*7.79	6.14
2					*11.12	8.35	*8.63	5.94
1					*12.00	8.12	*9.26	5.79
0(GROUND)			*9.19	*9.19	*12.26	8.01	*9.57	5.70
1	*8.39	*8.39	*13.56	13.10	*12.00	7.99	*9.50	5.66
2	*13.15	*13.15	*14.30	13.21	*11.25	8.04	*8.99	5.69
3	*15.73	*15.73	*12.39	*12.39	*9.88	8.16	*7.83	5.78
4			*9.39	*9.39	*7.41	*7.41		
5								
6								

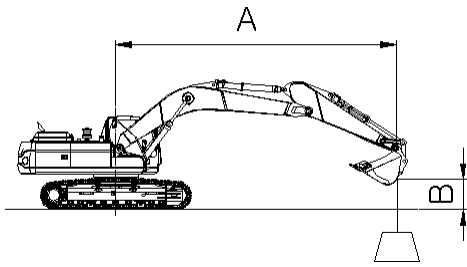
FEET

A(ft) \ B(ft)	10		15		20	
25						
20						
15			*14.93	*14.93	*13.21	10.28
10			*18.52	15.60	*14.62	9.95
5			*21.85	14.79	15.63	9.59
0(GROUND)	*21.17	*21.17	*23.31	14.37	15.37	9.36
-5	*32.59	28.15	*22.52	14.32	15.34	9.34
-10	*26.76	*26.76	*18.94	14.59		
-15	*22.52	*22.52				
-20	*26.50	*26.50	*19.23	*19.23		

1. RATINGS ARE BASED ON SAE J1097
2. LOAD POINT IS THE HOOK ON THE BACK OF THE BUCKET.
3. * RATED LOADS ARE BASED ON HYDRAULIC CAPACITY.
4. RATED LOADS DO NOT EXCEED 87% OF HYD. CAPACITY OR 75% OF TIPPING CAPACITY.

MODEL	DX225LCA/DX220A/DX220AF	DWG No	K1025586	32/67
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- OPTION 5.2m Boom, 2.0m Arm (2/2)



TRACK WIDTH : 2.99m (9' 10") LC TRACK
 BOOM : 5.2m (17' 1")
 ARM : 2.0m (6' 7")
 BUCKET : SAE 1.28m³ HEAPED
 (CECE 1.11m³)
 SHOE : 600mm (24")
 COUNTER WEIGHT : 4100 kg (9039 lb)
 UNIT : 1000 kg (1000 lb)



: RATING OVER FRONT



: RATING OVER SIDE OR 360 degree

METRIC

A(m) \ B(m)	6		7		MAX. REACH		A(m)
8							
7					*5.89	*5.89	@4.99
6					*5.80	5.04	@5.87
5	*5.89	4.82			*5.83	4.23	@6.48
4	*6.25	4.73			*5.91	3.77	@6.88
3	*6.73	4.62	5.79	3.61	5.62	3.50	@7.12
2	*7.23	4.51	5.72	3.55	5.45	3.38	@7.22
1	7.22	4.41	5.66	3.49	5.45	3.37	@7.17
0(GROUND)	7.15	4.35			5.65	3.48	@6.98
1	7.12	4.33			6.10	3.74	@6.63
2	7.15	4.35			6.98	4.25	@6.10
3					*7.19	5.27	@5.33
4					*7.06	*7.06	@4.17
5							
6							

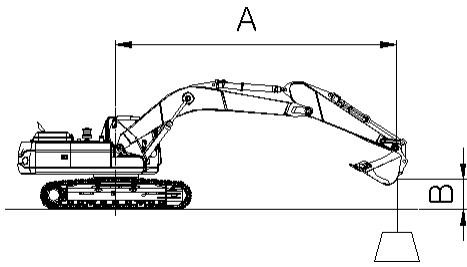
FEET

A(ft) \ B(ft)	MAX. REACH		
			A(ft)
25			
20	*12.80	11.35	@19.03
15	*12.92	8.82	@21.89
10	12.43	7.75	@23.35
5	11.96	7.40	@23.67
0(GROUND)	12.46	7.66	@22.90
-5	14.31	8.75	@20.93
-10	*15.86	11.77	@17.32
-15	*15.76	14.73	@13.68
-20			

1. RATINGS ARE BASED ON SAE J1097
2. LOAD POINT IS THE HOOK ON THE BACK OF THE BUCKET.
3. * RATED LOADS ARE BASED ON HYDRAULIC CAPACITY.
4. RATED LOADS DO NOT EXCEED 87% OF HYD. CAPACITY OR 75% OF TIPPING CAPACITY.

MODEL	DX225LCA/DX220A/DX220AF	DWG No	K1025586	33/67
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- OPTION 5.2m Boom, 2.4m Arm (1/2)



TRACK WIDTH : 2.99m (9' 10") LC TRACK
 BOOM : 5.2m (17' 1")
 ARM : 2.4m (7' 10")
 BUCKET : SAE 1.17m³ HEAPED
 (CECE 1.0m³)
 SHOE : 600mm (24")
 COUNTER WEIGHT : 4100 kg (9039 lb)
 UNIT : 1000 kg (1000 lb)



: RATING OVER FRONT



: RATING OVER SIDE OR 360 degree

METRIC

A(m) \ B(m)	2		3		4		5	
8								
7								
6								
5							*5.72	*5.72
4					*7.37	*7.37	*6.46	6.44
3			*12.40	*12.40	*9.02	8.89	*7.38	6.23
2			*9.97	*9.97	*10.61	8.51	*8.31	6.03
1			*7.93	*7.93	*11.73	8.24	*9.06	5.86
0(GROUND)	*4.31	*4.31	*9.47	*9.47	*12.25	8.09	*9.50	5.74
1	*7.70	*7.70	*12.35	*12.35	*12.22	8.03	*9.59	5.69
2	*11.15	*11.15	*15.20	13.21	*11.69	8.05	*9.27	5.69
3	*15.22	*15.22	*13.54	13.36	*10.59	8.13	*8.42	5.74
4	*14.19	*14.19	*10.97	*10.97	*8.64	8.29		
5								
6								

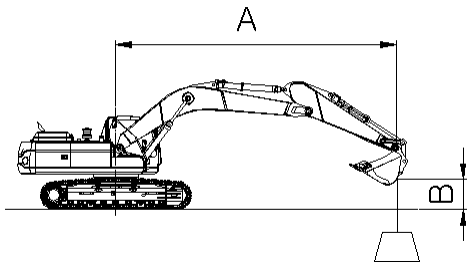
FEET

A(ft) \ B(ft)	10		15		20	
25						
20					*10.85	10.57
15			*13.70	*13.70	*12.39	10.41
10	*26.46	*26.46	*17.42	15.85	*13.98	10.06
5	*19.51	*19.51	*21.15	15.00	*15.72	9.68
0(GROUND)	*21.71	*21.71	*23.19	14.50	15.42	9.41
-5	*32.31	28.18	*23.02	14.36	15.32	9.32
-10	*29.26	28.61	*20.32	14.52		
-15	*19.26	*19.26				
-20	*26.50	*26.50	*19.23	*19.23		

1. RATINGS ARE BASED ON SAE J1097
2. LOAD POINT IS THE HOOK ON THE BACK OF THE BUCKET.
3. * RATED LOADS ARE BASED ON HYDRAULIC CAPACITY.
4. RATED LOADS DO NOT EXCEED 87% OF HYD. CAPACITY OR 75% OF TIPPING CAPACITY.

MODEL	DX225LCA/DX220A/DX220AF	DWG No	K1025586	34/67
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- OPTION 5.2m Boom, 2.4m Arm (2/2)



TRACK WIDTH : 2.99m (9' 10") LC TRACK
 BOOM : 5.2m (17' 1")
 ARM : 2.4m (7' 10")
 BUCKET : SAE 1.17m³ HEAPED
 (CECE 1.0m³)
 SHOE : 600mm (24")
 COUNTER WEIGHT : 4100 kg (9039 lb)
 UNIT : 1000 kg (1000 lb)



: RATING OVER FRONT



: RATING OVER SIDE OR 360 degree

METRIC

A(m) \ B(m)	6		7		MAX. REACH		A(m)
8							
7					*4.38	*4.38	@5.56
6	*5.31	4.93			*4.31	*4.31	@6.36
5	*5.49	4.88			*4.37	3.82	@6.92
4	*5.90	4.79	*5.57	3.71	*4.53	3.44	@7.30
3	*6.43	4.67	5.83	3.64	*4.78	3.22	@7.53
2	*6.99	4.55	5.75	3.58	5.01	3.11	@7.62
1	7.26	4.45	5.68	3.51	5.02	3.10	@7.58
0(GROUND)	7.17	4.37	5.63	3.47	5.17	3.19	@7.40
1	7.13	4.33	5.62	3.45	5.53	3.40	@7.07
2	7.13	4.34			6.20	3.80	@6.57
3					*6.83	4.55	@5.86
4					*6.90	6.16	@4.84
5							
6							

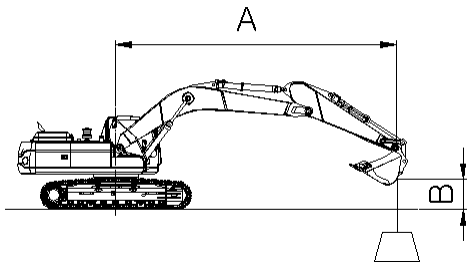
FEET

A(ft) \ B(ft)	MAX. REACH		
			A(ft)
25			
20	*9.51	*9.51	@20.66
15	*9.75	8.01	@23.31
10	*10.50	7.12	@24.69
5	11.02	6.83	@24.99
0(GROUND)	11.41	7.04	@24.27
-5	12.86	7.90	@22.42
-10	*15.06	10.13	@19.10
-15	*14.84	*14.84	@13.24
-20			

1. RATINGS ARE BASED ON SAE J1097
2. LOAD POINT IS THE HOOK ON THE BACK OF THE BUCKET.
3. * RATED LOADS ARE BASED ON HYDRAULIC CAPACITY.
4. RATED LOADS DO NOT EXCEED 87% OF HYD. CAPACITY OR 75% OF TIPPING CAPACITY.

MODEL	DX225LCA/DX220A/DX220AF	DWG No	K1025586	35/67
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- OPTION 5.7m Boom, 2.9m Arm, 800mm SHOE (1/2)



TRACK WIDTH : 3.19m (10' 6") LC TRACK
 BOOM : 5.7m (18' 8")
 ARM : 2.9m (9' 6")
 BUCKET : SAE 0.92m³ HEAPED
 (CECE 0.81m³)
 SHOE : 800mm (32")
 COUNTER WEIGHT : 4100 kg (9039 lb)
 UNIT : 1000 kg (1000 lb)



: RATING OVER FRONT



: RATING OVER SIDE OR 360 degree

METRIC

A(m) \ B(m)	2		3		4		5	
8								
7								
6								
5								
4							*5.95	*5.95
3			*11.94	*11.94	*8.57	*8.57	*6.92	6.34
2			*7.08	*7.08	*10.19	8.57	*7.89	6.09
1			*5.62	*5.62	*11.36	8.24	*8.69	5.88
0(GROUND)	*3.08	*3.08	*6.66	*6.66	*11.94	8.06	*9.21	5.74
1	*5.53	*5.53	*8.59	*8.59	*12.03	7.98	*9.41	5.66
2	*7.92	*7.92	*11.11	*11.11	*11.71	7.98	*9.28	5.64
3	*10.58	*10.58	*14.12	13.22	*10.99	8.04	*8.81	5.66
4	*13.78	*13.78	*12.36	*12.36	*9.77	8.15	*7.86	5.74
5			*9.77	*9.77	*7.80	*7.80	*6.10	5.90
6								

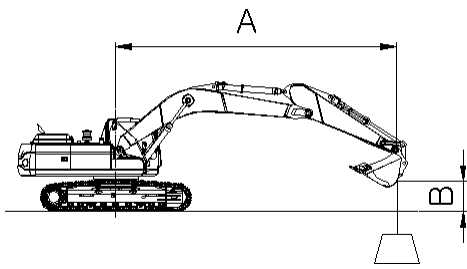
FEET



A(ft) \ B(ft)	10		15		20	
25					*8.41	*8.41
20					*9.94	*9.94
15					*11.10	10.72
10	*25.44	*25.44	*16.42	16.11	*12.94	10.26
5	*13.83	*13.83	*20.28	15.10	*14.86	9.78
0(GROUND)	*15.25	*15.25	*22.52	14.47	15.61	9.43
-5	*22.18	*22.18	*22.80	14.26	15.42	9.26
-10	*30.58	28.32	*21.20	14.34	15.46	9.29
-15	*23.99	*23.99	*17.02	14.70		
-20						

1. RATINGS ARE BASED ON SAE J1097
2. LOAD POINT IS THE HOOK ON THE BACK OF THE BUCKET.
3. * RATED LOADS ARE BASED ON HYDRAULIC CAPACITY.
4. RATED LOADS DO NOT EXCEED 87% OF HYD. CAPACITY OR 75% OF TIPPING CAPACITY.











MODEL	DX225LCA/DX220A/DX220AF	DWG No	K1025586	36/67
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- OPTION 5.7m Boom, 2.9m Arm, 800mm SHOE (2/2)







- TRACK WIDTH : 3.19m (10' 6") LC TRACK
- BOOM : 5.7m (18' 8")
- ARM : 2.9m (9' 6")
- BUCKET : SAE 0.92m³ HEAPED
(CECE 0.81m³)
- SHOE : 800mm (32")
- COUNTER WEIGHT : 4100 kg (9039 lb)
- UNIT : 1000 kg (1000 lb)
-  : RATING OVER FRONT
-  : RATING OVER SIDE OR 360 degree

METRIC

A(m) \ B(m)	6		7		8		9		MAX. REACH		A(m)
											
8									*3.42	*3.42	@5.94
7									*3.31	*3.31	@6.85
6	*4.53	*4.53	*4.39	3.94				*4.53	*3.30	*3.30	@7.51
5	*4.87	*4.87	*4.69	3.89				*4.87	*3.36	3.08	@7.99
4	*5.37	4.92	*4.99	3.82	*4.50	3.04		*5.37	*3.48	2.83	@8.32
3	*5.97	4.76	*5.36	3.72	4.81	2.98		*5.97	*3.65	2.67	@8.52
2	*6.58	4.61	*5.75	3.63	4.75	2.93		*6.58	*3.89	2.59	@8.60
1	*7.11	4.48	5.78	3.54	4.69	2.87		*7.11	4.22	2.58	@8.56
0(GROUND)	7.26	4.38	5.70	3.47	4.64	2.83		7.26	4.31	2.63	@8.40
1	7.19	4.32	5.66	3.43	4.62	2.81		7.19	4.53	2.75	@8.11
2	7.16	4.29	5.65	3.42				7.16	4.91	2.99	@7.69
3	7.19	4.31	5.68	3.45				7.19	5.57	3.39	@7.09
4	*6.29	4.39						*6.29	*5.86	4.11	@6.28
5									*5.85	5.65	@5.15
6											

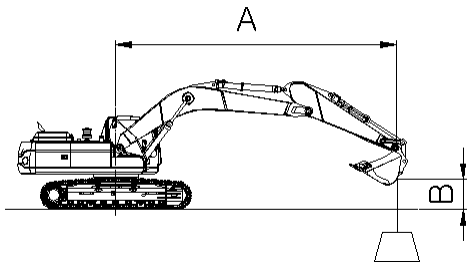
FEET

A(ft) \ B(ft)	25		MAX. REACH		A(ft)
					
25			*7.41	*7.41	@20.73
20			*7.28	*7.28	@24.45
15	*10.37	7.36	*7.50	6.52	@26.73
10	*11.19	7.15	*8.03	5.91	@27.93
5	11.23	6.91	*8.91	5.68	@28.20
0(GROUND)	11.03	6.73	9.50	5.79	@27.56
-5	10.95	6.66	10.37	6.31	@25.95
-10			12.38	7.53	@23.15
-15			*12.97	10.63	@18.64
-20					

1. RATINGS ARE BASED ON SAE J1097
2. LOAD POINT IS THE HOOK ON THE BACK OF THE BUCKET.
3. * RATED LOADS ARE BASED ON HYDRAULIC CAPACITY.
4. RATED LOADS DO NOT EXCEED 87% OF HYD. CAPACITY OR 75% OF TIPPING CAPACITY.

MODEL	DX225LCA/DX220A/DX220AF	DWG No	K1025586	37/67
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- OPTION 5.7m Boom, 2.4m Arm, 800mm SHOE (1/2)



TRACK WIDTH : 3.19m (10' 6") LC TRACK
 BOOM : 5.7m (18' 8")
 ARM : 2.4m (7' 11")
 BUCKET : SAE 1.05m³ HEAPED
 (CECE 0.92m³)
 SHOE : 800mm (32")
 COUNTER WEIGHT : 4100 kg (9039 lb)
 UNIT : 1000 kg (1000 lb)



: RATING OVER FRONT



: RATING OVER SIDE OR 360 degree

METRIC

A(m) \ B(m)	2		3		4		5	
8								
7								
6								
5							*5.77	*5.77
4			*10.28	*10.28	*7.83	*7.83	*6.58	6.51
3					*9.51	8.85	*7.52	6.27
2					*10.98	8.45	*8.41	6.04
1					*11.86	8.20	*9.07	5.87
0(GROUND)			*5.72	*5.72	*12.14	8.08	*9.43	5.76
1	*5.52	*5.52	*8.70	*8.70	*11.96	8.05	*9.46	5.71
2	*8.80	*8.80	*12.21	*12.21	*11.41	8.08	*9.16	5.71
3	*12.33	*12.33	*13.09	*13.09	*10.45	8.16	*8.47	5.77
4	*13.90	*13.90	*11.03	*11.03	*8.93	8.31	*7.19	5.88
5					*6.36	*6.36		
6								

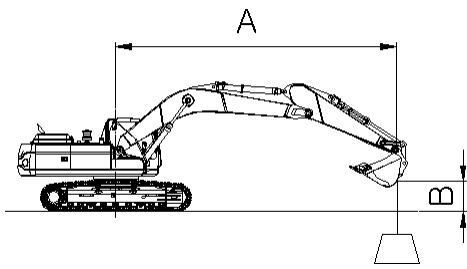
FEET

A(ft) \ B(ft)	10		15		20	
25						
20					*11.11	10.92
15			*14.13	*14.13	*12.15	10.64
10	*21.27	*21.27	*17.99	15.89	*13.87	10.21
5			*21.44	14.98	*15.59	9.78
0(GROUND)	*13.18	*13.18	*23.02	14.51	15.66	9.49
-5	*23.57	*23.57	*22.63	14.41	15.55	9.39
-10	*28.35	*28.35	*20.29	14.58	*14.76	9.51
-15	*20.56	*20.56	*14.76	*14.76		
-20						

1. RATINGS ARE BASED ON SAE J1097
2. LOAD POINT IS THE HOOK ON THE BACK OF THE BUCKET.
3. * RATED LOADS ARE BASED ON HYDRAULIC CAPACITY.
4. RATED LOADS DO NOT EXCEED 87% OF HYD. CAPACITY OR 75% OF TIPPING CAPACITY.

MODEL	DX225LCA/DX220A/DX220AF	DWG No	K1025586	38/67
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- OPTION 5.7m Boom, 2.4m Arm, 800mm SHOE (2/2)



TRACK WIDTH : 3.19m (10' 6") LC TRACK
 BOOM : 5.7m (18' 8")
 ARM : 2.4m (7' 11")
 BUCKET : SAE 1.05m³ HEAPED
 (CECE 0.92m³)
 SHOE : 800mm (32")
 COUNTER WEIGHT : 4100 kg (9039 lb)
 UNIT : 1000 kg (1000 lb)



: RATING OVER FRONT



: RATING OVER SIDE OR 360 degree

METRIC

A(m) \ B(m)	6		7		8		MAX. REACH		A(m)
8									
7	*5.03	*5.03					*4.47	*4.47	@6.29
6	*5.06	*5.06	*4.46	3.90			*4.44	3.89	@7.00
5	*5.37	5.00	*5.13	3.87			*4.51	3.42	@7.52
4	*5.84	4.88	*5.37	3.80			*4.66	3.12	@7.87
3	*6.40	4.74	*5.70	3.72	4.81	2.99	4.73	2.94	@8.08
2	*6.95	4.60	5.88	3.64	4.76	2.95	4.61	2.85	@8.17
1	7.37	4.49	5.80	3.56	4.72	2.90	4.61	2.84	@8.12
0(GROUND)	7.28	4.41	5.74	3.51			4.73	2.90	@7.96
1	7.24	4.36	5.71	3.49			5.00	3.07	@7.65
2	7.24	4.36	5.72	3.50			5.49	3.36	@7.20
3	*6.88	4.41					*6.05	3.89	@6.56
4							*6.08	4.90	@5.67
5							*5.73	*5.73	@4.38
6									

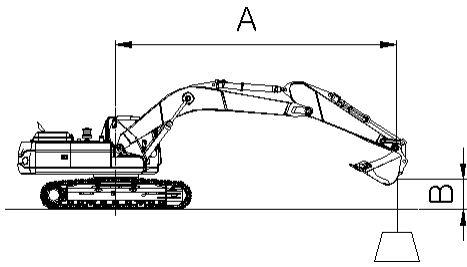
FEET

A(ft) \ B(ft)	25		MAX. REACH		A(ft)
25			*10.05	*10.05	@18.74
20			*9.78	8.72	@22.79
15	*10.73	7.33	*10.06	7.21	@25.22
10	11.49	7.16	10.45	6.50	@26.49
5	11.27	6.96	10.13	6.25	@26.78
0(GROUND)	11.12	6.82	10.42	6.40	@26.10
-5			11.52	7.06	@24.39
-10			*13.35	8.65	@21.39
-15			*13.15	*13.15	@16.39
-20					

1. RATINGS ARE BASED ON SAE J1097
2. LOAD POINT IS THE HOOK ON THE BACK OF THE BUCKET.
3. * RATED LOADS ARE BASED ON HYDRAULIC CAPACITY.
4. RATED LOADS DO NOT EXCEED 87% OF HYD. CAPACITY OR 75% OF TIPPING CAPACITY.

MODEL	DX225LCA/DX220A/DX220AF	DWG No	K1025586	39/67
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- OPTION 5.7m Boom, 3.5m Arm, 800mm SHOE (1/2)



TRACK WIDTH : 3.19m (10' 6") LC TRACK
 BOOM : 5.7m (18' 8")
 ARM : 3.5m (11' 6")
 BUCKET : SAE 0.81m³ HEAPED
 (CECE 0.72m³)
 SHOE : 800mm (32")
 COUNTER WEIGHT : 4100 kg (9039 lb)
 UNIT : 1000 kg (1000 lb)



: RATING OVER FRONT



: RATING OVER SIDE OR 360 degree

METRIC

A(m) \ B(m)	2		3		4		5	
8								
7								
6								
5								
4								
3			*9.80	*9.80	*7.45	*7.45	*6.21	*6.21
2			*13.13	*13.13	*9.20	8.74	*7.26	6.17
1			*8.04	*8.04	*10.63	8.33	*8.19	5.93
0(GROUND)	*3.76	*3.76	*7.64	*7.64	*11.54	8.06	*8.87	5.74
1	*5.45	*5.45	*8.73	*8.73	*11.93	7.92	*9.25	5.62
2	*7.33	*7.33	*10.55	*10.55	*11.87	7.87	*9.32	5.57
3	*9.47	*9.47	*13.01	12.97	*11.41	7.89	*9.06	5.57
4	*12.02	*12.02	*13.59	13.12	*10.51	7.97	*8.40	5.62
5	*15.24	*15.24	*11.49	*11.49	*9.01	8.12	*7.19	5.73
6			*8.30	*8.30	*6.51	*6.51		

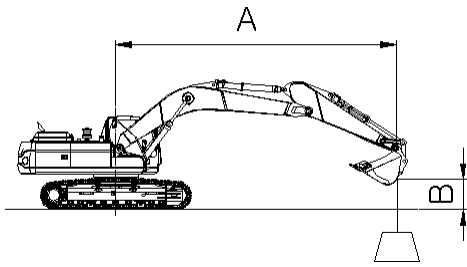
FEET

A(ft) \ B(ft)	10		15		20	
25						
20						
15					*9.93	*9.93
10			*14.55	*14.55	*11.86	10.40
5	*23.19	*23.19	*18.77	15.29	*13.97	9.85
0(GROUND)	*17.48	*17.48	*21.70	14.48	15.60	9.41
-5	*21.68	*21.68	*22.73	14.11	15.32	9.16
-10	*29.55	27.78	*21.90	14.08	15.27	9.12
-15	*27.18	*27.18	*18.87	14.34	*13.48	9.32
-20						

1. RATINGS ARE BASED ON SAE J1097
2. LOAD POINT IS THE HOOK ON THE BACK OF THE BUCKET.
3. * RATED LOADS ARE BASED ON HYDRAULIC CAPACITY.
4. RATED LOADS DO NOT EXCEED 87% OF HYD. CAPACITY OR 75% OF TIPPING CAPACITY.

MODEL	DX225LCA/DX220A/DX220AF	DWG No	K1025586	40/67
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- OPTION 5.7m Boom, 3.5m Arm, 800mm SHOE (2/2)



TRACK WIDTH : 3.19m (10' 6") LC TRACK
 BOOM : 5.7m (18' 8")
 ARM : 3.5m (11' 6")
 BUCKET : SAE 0.81m³ HEAPED
 (CECE 0.72m³)
 SHOE : 800mm (32")
 COUNTER WEIGHT : 4100 kg (9039 lb)
 UNIT : 1000 kg (1000 lb)



: RATING OVER FRONT



: RATING OVER SIDE OR 360 degree

METRIC

A(m) \ B(m)	6		7		8		9		MAX. REACH		A(m)
8									*2.97	*2.97	@6.61
7			*3.54	*3.54					*2.89	*2.89	@7.43
6			*4.04	4.02	*2.98	*2.98			*2.89	*2.89	@8.04
5			*4.24	3.96	*3.87	3.13			*2.94	2.80	@8.49
4	*4.83	*4.83	*4.57	3.87	*4.39	3.08			*3.03	2.59	@8.81
3	*5.46	4.83	*4.97	3.77	*4.64	3.01			*3.18	2.45	@9.00
2	*6.13	4.66	*5.41	3.66	4.77	2.94	*3.62	2.41	*3.38	2.37	@9.07
1	*6.74	4.50	5.79	3.55	4.69	2.87	*3.78	2.37	*3.65	2.35	@9.03
0(GROUND)	*7.23	4.37	5.70	3.46	4.63	2.82			3.94	2.39	@8.88
1	7.16	4.28	5.63	3.40	4.59	2.78			4.11	2.48	@8.61
2	7.11	4.24	5.60	3.37	4.58	2.77			4.40	2.66	@8.21
3	7.10	4.23	5.60	3.38					4.90	2.97	@7.66
4	*6.83	4.28							*5.60	3.49	@6.91
5									*5.77	4.48	@5.91
6									*5.75	*5.75	@4.46

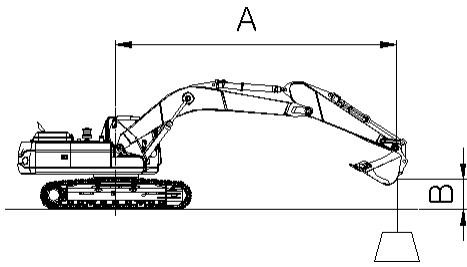
FEET

A(ft) \ B(ft)	25		MAX. REACH		A(ft)
25			*6.45	*6.45	@22.80
20	*7.80	7.63	*6.36	*6.36	@26.22
15	*9.48	7.48	*6.55	5.95	@28.35
10	*10.43	7.22	*6.99	5.41	@29.49
5	11.27	6.94	*7.71	5.20	@29.75
0(GROUND)	11.01	6.70	8.69	5.26	@29.14
-5	10.86	6.57	9.36	5.66	@27.62
-10	10.89	6.59	10.88	6.58	@25.02
-15			*12.58	8.74	@20.92
-20			*12.60	*12.60	@14.05

1. RATINGS ARE BASED ON SAE J1097
2. LOAD POINT IS THE HOOK ON THE BACK OF THE BUCKET.
3. * RATED LOADS ARE BASED ON HYDRAULIC CAPACITY.
4. RATED LOADS DO NOT EXCEED 87% OF HYD. CAPACITY OR 75% OF TIPPING CAPACITY.

MODEL	DX225LCA/DX220A/DX220AF	DWG No	K1025586	41/67
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- OPTION 5.2m Boom, 2.0m Arm, 800mm SHOE (1/2)



TRACK WIDTH : 3.19m (10' 6") LC TRACK
 BOOM : 5.2m (17' 1")
 ARM : 2.0m (6' 7")
 BUCKET : SAE 1.28m³ HEAPED
 (CECE 1.11m³)
 SHOE : 800mm (32")
 COUNTER WEIGHT : 4100 kg (9039 lb)
 UNIT : 1000 kg (1000 lb)



: RATING OVER FRONT



: RATING OVER SIDE OR 360 degree

METRIC

A(m) \ B(m)	2		3		4	
8						
7						
6						
5						
4			*10.34	*10.34	*8.08	*8.08
3					*9.68	8.92
2					*11.12	8.56
1					*12.00	8.33
0(GROUND)			*9.19	*9.19	*12.26	8.22
1	*8.39	*8.39	*13.56	13.43	*12.00	8.20
2	*13.15	*13.15	*14.30	13.54	*11.25	8.25
3	*15.73	*15.73	*12.39	*12.39	*9.88	8.37
4			*9.39	*9.39	*7.41	*7.41
5						
6						

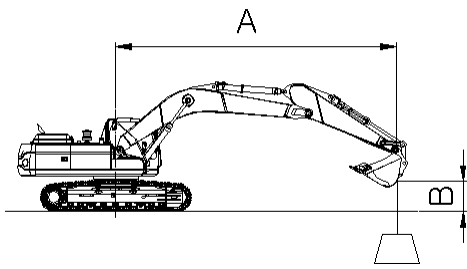
FEET

A(ft) \ B(ft)	10		15	
25				
20				
15			*14.93	*14.93
10			*18.52	15.98
5			*21.85	15.17
0(GROUND)	*21.17	*21.17	*23.31	14.75
-5	*32.59	28.86	*22.52	14.70
-10	*26.76	*26.76	*18.94	14.97
-15				
-20				

1. RATINGS ARE BASED ON SAE J1097
2. LOAD POINT IS THE HOOK ON THE BACK OF THE BUCKET.
3. * RATED LOADS ARE BASED ON HYDRAULIC CAPACITY.
4. RATED LOADS DO NOT EXCEED 87% OF HYD. CAPACITY OR 75% OF TIPPING CAPACITY.

MODEL	DX225LCA/DX220A/DX220AF	DWG No	K1025586	42/67
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- OPTION 5.2m Boom, 2.0m Arm, 800mm SHOE (2/2)



TRACK WIDTH : 3.19m (10' 6") LC TRACK
 BOOM : 5.2m (17' 1")
 ARM : 2.0m (6' 7")
 BUCKET : SAE 1.28m³ HEAPED
 (CECE 1.11m³)
 SHOE : 800mm (32")
 COUNTER WEIGHT : 4100 kg (9039 lb)
 UNIT : 1000 kg (1000 lb)



: RATING OVER FRONT



: RATING OVER SIDE OR 360 degree

METRIC

A(m) \ B(m)	5		6		7		MAX. REACH		
									A(m)
8									
7							*5.89	*5.89	@4.99
6	*5.82	*5.82					*5.80	5.16	@5.87
5	*6.21	*6.21	*5.89	4.94			*5.83	4.34	@6.48
4	*6.92	6.50	*6.25	4.86			*5.91	3.87	@6.88
3	*7.79	6.30	*6.73	4.74	5.96	3.71	5.79	3.60	@7.12
2	*8.63	6.10	*7.23	4.63	5.89	3.65	5.60	3.47	@7.22
1	*9.26	5.94	7.42	4.53	5.83	3.59	5.61	3.46	@7.17
0(GROUND)	*9.57	5.85	7.35	4.47			5.82	3.58	@6.98
1	*9.50	5.82	7.33	4.45			6.28	3.85	@6.63
2	*8.99	5.84	*7.20	4.47			*7.03	4.37	@6.10
3	*7.83	5.93					*7.19	5.41	@5.33
4							*7.06	*7.06	@4.17
5									
6									

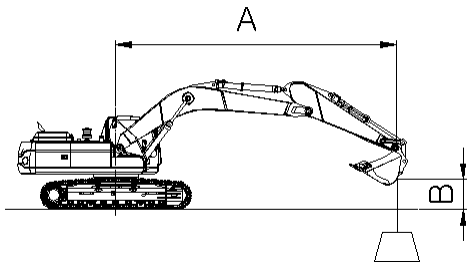
FEET

A(ft) \ B(ft)	20		MAX. REACH		
					A(ft)
25					
20			*12.80	11.63	@19.03
15	*13.21	10.54	*12.92	9.06	@21.89
10	*14.62	10.21	12.78	7.96	@23.35
5	16.07	9.85	12.31	7.61	@23.67
0(GROUND)	15.81	9.62	12.83	7.89	@22.90
-5	15.78	9.60	14.73	9.00	@20.93
-10			*15.86	12.09	@17.32
-15					
-20					

1. RATINGS ARE BASED ON SAE J1097
2. LOAD POINT IS THE HOOK ON THE BACK OF THE BUCKET.
3. * RATED LOADS ARE BASED ON HYDRAULIC CAPACITY.
4. RATED LOADS DO NOT EXCEED 87% OF HYD. CAPACITY OR 75% OF TIPPING CAPACITY.

MODEL	DX225LCA/DX220A/DX220AF	DWG No	K1025586	43/67
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- OPTION 5.2m Boom, 2.4m Arm, 800mm SHOE (1/2)



TRACK WIDTH : 3.19m (10' 6") LC TRACK
 BOOM : 5.2m (17' 1")
 ARM : 2.4m (7' 10")
 BUCKET : SAE 1.17m³ HEAPED
 (CECE 1.0m³)
 SHOE : 800mm (32")
 COUNTER WEIGHT : 4100 kg (9039 lb)
 UNIT : 1000 kg (1000 lb)



: RATING OVER FRONT



: RATING OVER SIDE OR 360 degree

METRIC

A(m) \ B(m)	2		3		4	
8						
7						
6						
5						
4					*7.33	*7.33
3			*12.36	*12.36	*8.98	*8.98
2			*9.94	*9.94	*10.56	8.68
1			*7.90	*7.90	*11.69	8.41
0(GROUND)	*4.28	*4.28	*9.43	*9.43	*12.20	8.26
1	*7.67	*7.67	*12.32	*12.32	*12.17	8.20
2	*11.11	*11.11	*15.15	13.50	*11.64	8.22
3	*15.18	*15.18	*13.49	*13.49	*10.54	8.30
4	*14.15	*14.15	*10.93	*10.93	*8.60	8.46
5						
6						

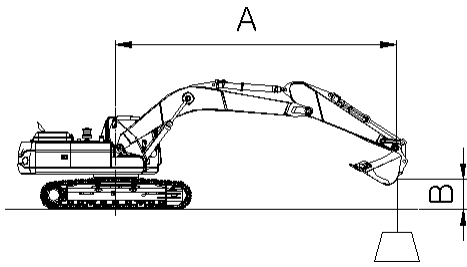
FEET

A(ft) \ B(ft)	10		15	
25				
20				
15			*13.61	*13.61
10	*26.37	*26.37	*17.33	16.16
5	*19.43	*19.43	*21.05	15.31
0(GROUND)	*21.63	*21.63	*23.09	14.80
-5	*32.22	28.79	*22.93	14.66
-10	*29.15	*29.15	*20.22	14.83
-15	*19.16	*19.16		
-20				

1. RATINGS ARE BASED ON SAE J1097
2. LOAD POINT IS THE HOOK ON THE BACK OF THE BUCKET.
3. * RATED LOADS ARE BASED ON HYDRAULIC CAPACITY.
4. RATED LOADS DO NOT EXCEED 87% OF HYD. CAPACITY OR 75% OF TIPPING CAPACITY.

MODEL	DX225LCA/DX220A/DX220AF	DWG No	K1025586	44/67
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- OPTION 5.2m Boom, 2.4m Arm, 800mm SHOE (2/2)



TRACK WIDTH : 3.19m (10' 6") LC TRACK
 BOOM : 5.2m (17' 1")
 ARM : 2.4m (7' 10")
 BUCKET : SAE 1.17m³ HEAPED
 (CECE 1.0m³)
 SHOE : 800mm (32")
 COUNTER WEIGHT : 4100 kg (9039 lb)
 UNIT : 1000 kg (1000 lb)



: RATING OVER FRONT



: RATING OVER SIDE OR 360 degree

METRIC

A(m) \ B(m)	5		6		7		MAX. REACH		
									A(m)
8									
7							*4.34	*4.34	@5.56
6			*5.27	5.02			*4.28	*4.28	@6.36
5	*5.68	*5.68	*5.45	4.97			*4.34	3.89	@6.92
4	*6.42	*6.42	*5.86	4.88	*5.53	3.77	*4.49	3.50	@7.30
3	*7.34	6.35	*6.39	4.76	*5.81	3.71	*4.74	3.28	@7.53
2	*8.26	6.15	*6.95	4.64	5.88	3.64	*5.11	3.17	@7.62
1	*9.01	5.98	*7.43	4.54	5.82	3.58	5.13	3.16	@7.58
0(GROUND)	*9.46	5.86	7.35	4.46	5.77	3.53	5.30	3.25	@7.40
1	*9.55	5.81	7.30	4.42	5.75	3.52	5.66	3.47	@7.07
2	*9.23	5.81	7.31	4.42			6.35	3.88	@6.57
3	*8.37	5.86					*6.78	4.64	@5.86
4							*6.86	6.29	@4.84
5									
6									

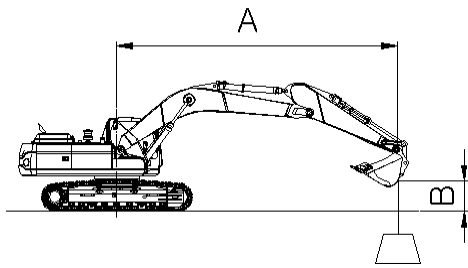
FEET



A(ft) \ B(ft)	20		MAX. REACH		
					A(ft)
25					
20	*10.77	10.76	*9.43	*9.43	@20.66
15	*12.30	10.60	*9.68	8.15	@23.31
10	*13.89	10.25	*10.43	7.25	@24.69
5	*15.63	9.87	11.27	6.95	@24.99
0(GROUND)	15.79	9.60	11.67	7.17	@24.27
-5	15.69	9.51	13.16	8.05	@22.42
-10			*14.97	10.34	@19.10
-15			*14.75	*14.75	@13.24
-20					

1. RATINGS ARE BASED ON SAE J1097
2. LOAD POINT IS THE HOOK ON THE BACK OF THE BUCKET.
3. * RATED LOADS ARE BASED ON HYDRAULIC CAPACITY.
4. RATED LOADS DO NOT EXCEED 87% OF HYD. CAPACITY OR 75% OF TIPPING CAPACITY.











MODEL	DX225LCA/DX220A/DX220AF	DWG No	K1025586	45/67
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- OPTION 8.5m Boom, 6.2m Arm, 600mm SHOE (1/6)



TRACK WIDTH	: 2.99m (9' 10") LC TRACK
BOOM	: 8.5m (27' 11")
ARM	: 6.2m (20' 4")
BUCKET	: SAE 0.39m ³ HEAPED (CECE 0.35m ³)
SHOE	: 600mm (24")
COUNTER WEIGHT	: 5300 kg (11684.5 lb)
UNIT	: 1000 kg (1000 lb)
	: RATING OVER FRONT
	: RATING OVER SIDE OR 360 degree

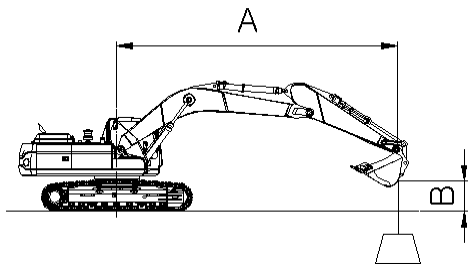
METRIC

A(m) \ B(m)	2		3		4		5		6	
										
12										
11										
10										
9										
8										
7										
6										
5										
4										
3					*7.66	*7.66	*5.88	*5.88	*4.84	*4.84
2					*5.32	*5.32	*6.86	6.52	*5.50	5.03
1					*3.48	*3.48	*7.66	6.15	*6.08	4.78
0(GROUN)					*3.21	*3.21	*6.46	5.89	*6.54	4.58
1			*2.08	*2.08	*3.48	*3.48	*6.02	5.73	*6.85	4.44
2	*2.14	*2.14	*2.77	*2.77	*4.00	*4.00	*6.20	5.64	*7.03	4.35
3	*2.88	*2.88	*3.51	*3.51	*4.69	*4.69	*6.74	5.60	*7.09	4.30
4	*3.65	*3.65	*4.32	*4.32	*5.51	*5.51	*7.54	5.60	*7.03	4.28
5	*4.46	*4.46	*5.20	*5.20	*6.46	*6.46	*8.25	5.63	*6.86	4.29
6	*5.34	*5.34	*6.18	*6.18	*7.58	*7.58	*7.85	5.69	*6.58	4.32
7	*6.31	*6.31	*7.30	*7.30	*8.84	8.21	*7.30	5.77	*6.16	4.38
8	*7.40	*7.40	*8.61	*8.61	*7.88	*7.88	*6.57	5.89	*5.57	4.47
9			*8.11	*8.11	*6.64	*6.64	*5.59	*5.59	*4.75	4.59
10							*4.24	*4.24	*3.56	*3.56

1. RATINGS ARE BASED ON SAE J1097
2. LOAD POINT IS THE HOOK ON THE BACK OF THE BUCKET.
3. * RATED LOADS ARE BASED ON HYDRAULIC CAPACITY.
4. RATED LOADS DO NOT EXCEED 87% OF HYD. CAPACITY OR 75% OF TIPPING CAPACITY.

MODEL	DX225LCA/DX220A/DX220AF	DWG No	K1025586	46/67
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- OPTION 8.5m Boom, 6.2m Arm, 600mm SHOE (2/6)



- TRACK WIDTH : 2.99m (9' 10") LC TRACK
- BOOM : 8.5m (27' 11")
- ARM : 6.2m (20' 4")
- BUCKET : SAE 0.39m³ HEAPED
(CECE 0.35m³)
- SHOE : 600mm (24")
- COUNTER WEIGHT : 5300 kg (11684.5 lb)
- UNIT : 1000 kg (1000 lb)
- : RATING OVER FRONT
- : RATING OVER SIDE OR 360 degree

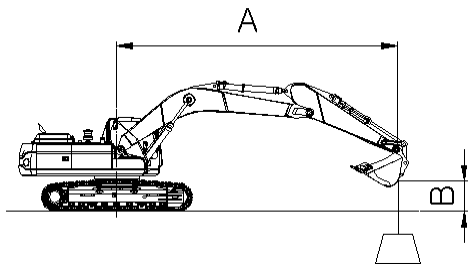
FEET

A(ft) \ B(ft)	10		15		20	
40						
35						
30						
25						
20						
15						
10			*14.23	*14.23	*10.43	*10.43
5			*16.00	15.80	*12.53	10.58
0(GROUN			*10.57	*10.57	*14.13	9.89
-5	*5.47	*5.47	*10.78	*10.78	*15.06	9.46
-10	*7.92	*7.92	*12.68	*12.68	*15.35	9.26
-15	*10.71	*10.71	*15.62	14.19	*15.06	9.22
-20	*13.97	*13.97	*18.66	14.42	*14.20	9.32
-25	*17.98	*17.98	*16.35	14.79	*12.63	9.55
-30	*17.09	*17.09	*12.84	*12.84	*10.01	9.93

1. RATINGS ARE BASED ON SAE J1097
2. LOAD POINT IS THE HOOK ON THE BACK OF THE BUCKET.
3. * RATED LOADS ARE BASED ON HYDRAULIC CAPACITY.
4. RATED LOADS DO NOT EXCEED 87% OF HYD. CAPACITY OR 75% OF TIPPING CAPACITY.

MODEL	DX225LCA/DX220A/DX220AF	DWG No	K1025586	47/67
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- OPTION 8.5m Boom, 6.2m Arm, 600mm SHOE (3/6)



TRACK WIDTH	: 2.99m (9' 10") LC TRACK
BOOM	: 8.5m (27' 11")
ARM	: 6.2m (20' 4")
BUCKET	: SAE 0.39m ³ HEAPED (CECE 0.35m ³)
SHOE	: 600mm (24")
COUNTER WEIGHT	: 5300 kg (11684.5 lb)
UNIT	: 1000 kg (1000 lb)
	: RATING OVER FRONT
	: RATING OVER SIDE OR 360 degree

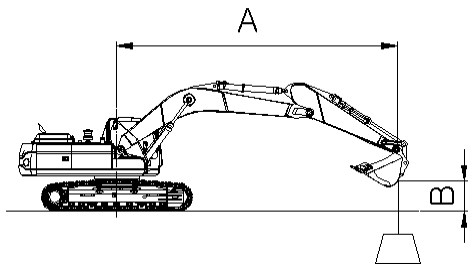
METRIC



A(m) \ B(m)	7		8		9		10		11	
12										
11							*1.66	*1.66		
10							*2.10	*2.10	*1.50	*1.50
9							*2.28	*2.28	*2.00	*2.00
8							*2.33	*2.33	*2.31	2.24
7							*2.42	*2.42	*2.39	2.21
6					*2.63	*2.63	*2.55	*2.55	*2.48	2.18
5			*3.02	*3.02	*2.85	*2.85	*2.71	2.54	*2.60	2.13
4	*3.69	*3.69	*3.35	*3.35	*3.09	2.96	*2.89	2.47	*2.73	2.08
3	*4.16	*4.16	*3.69	3.44	*3.35	2.85	*3.08	2.40	*2.88	2.03
2	*4.64	4.03	*4.04	3.30	*3.60	2.75	*3.28	2.32	*3.02	1.97
1	*5.06	3.85	*4.36	3.17	*3.85	2.65	*3.46	2.25	3.11	1.91
0(GROUN)	*5.42	3.70	*4.63	3.06	*4.06	2.57	3.54	2.18	3.06	1.86
1	*5.69	3.58	4.83	2.97	4.07	2.49	3.48	2.12	3.01	1.82
2	5.79	3.50	4.76	2.90	4.01	2.44	3.43	2.08	2.98	1.79
3	5.73	3.45	4.71	2.85	3.96	2.40	3.40	2.05	2.95	1.77
4	5.70	3.43	4.68	2.82	3.94	2.38	3.38	2.03	2.94	1.76
5	5.70	3.43	4.68	2.82	3.94	2.37	3.38	2.03	2.95	1.76
6	*5.61	3.45	4.69	2.84	3.95	2.39	3.40	2.05	2.97	1.78
7	*5.27	3.49	*4.55	2.87	*3.93	2.42	*3.37	2.09		
8	*4.77	3.56	*4.09	2.94	*3.46	2.49	*2.80	2.16		
9	*4.04	3.67	*3.37	3.04						
10	*2.87	*2.87								

1. RATINGS ARE BASED ON SAE J1097
2. LOAD POINT IS THE HOOK ON THE BACK OF THE BUCKET.
3. * RATED LOADS ARE BASED ON HYDRAULIC CAPACITY.
4. RATED LOADS DO NOT EXCEED 87% OF HYD. CAPACITY OR 75% OF TIPPING CAPACITY.







MODEL	DX225LCA/DX220A/DX220AF	DWG No	K1025586	48/67
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- OPTION 8.5m Boom, 6.2m Arm, 600mm SHOE (4/6)



TRACK WIDTH	: 2.99m (9' 10") LC TRACK
BOOM	: 8.5m (27' 11")
ARM	: 6.2m (20' 4")
BUCKET	: SAE 0.39m ³ HEAPED (CECE 0.35m ³)
SHOE	: 600mm (24")
COUNTER WEIGHT	: 5300 kg (11684.5 lb)
UNIT	: 1000 kg (1000 lb)
	: RATING OVER FRONT
	: RATING OVER SIDE OR 360 degree

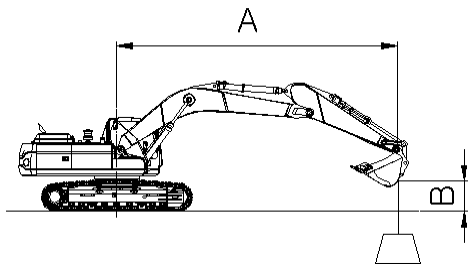
FEET



A(ft) \ B(ft)	25		30		35	
						
40						
35					*2.91	*2.91
30					*4.65	*4.65
25					*5.19	*5.19
20			*5.73	*5.73	*5.49	5.10
15	*7.16	*7.16	*6.44	*6.44	*5.94	4.93
10	*8.45	8.20	*7.26	6.14	*6.46	4.73
5	*9.73	7.67	*8.08	5.81	*7.00	4.52
0(GROUND)	*10.81	7.23	*8.80	5.52	7.07	4.33
-5	11.34	6.92	8.69	5.30	6.91	4.18
-10	11.14	6.73	8.54	5.16	6.81	4.08
-15	11.08	6.67	8.48	5.11	6.78	4.06
-20	11.13	6.72	8.52	5.15	6.84	4.11
-25	*10.00	6.88	*7.90	5.30		
-30	*7.68	7.21				

1. RATINGS ARE BASED ON SAE J1097
2. LOAD POINT IS THE HOOK ON THE BACK OF THE BUCKET.
3. * RATED LOADS ARE BASED ON HYDRAULIC CAPACITY.
4. RATED LOADS DO NOT EXCEED 87% OF HYD. CAPACITY OR 75% OF TIPPING CAPACITY.









MODEL	DX225LCA/DX220A/DX220AF	DWG No	K1025586	49/67
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- OPTION 8.5m Boom, 6.2m Arm, 600mm SHOE (5/6)



TRACK WIDTH	: 2.99m (9' 10") LC TRACK
BOOM	: 8.5m (27' 11")
ARM	: 6.2m (20' 4")
BUCKET	: SAE 0.39m ³ HEAPED (CECE 0.35m ³)
SHOE	: 600mm (24")
COUNTER WEIGHT	: 5300 kg (11684.5 lb)
UNIT	: 1000 kg (1000 lb)
	: RATING OVER FRONT
	: RATING OVER SIDE OR 360 degree

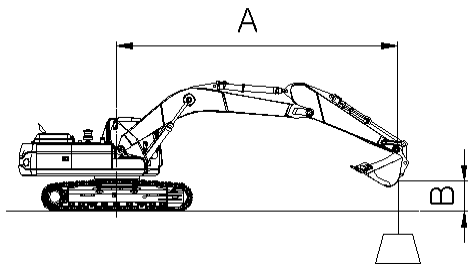
METRIC



A(m) \ B(m)	12		13		14		MAX. REACH		
									A(m)
12							*1.02	*1.02	@9.70
11							*0.98	*0.98	@10.66
10							*0.95	*0.95	@11.46
9	*1.12	*1.12					*0.94	*0.94	@12.11
8	*1.74	*1.74					*0.94	*0.94	@12.66
7	*2.13	1.85	*1.12	*1.12			*0.94	*0.94	@13.10
6	*2.44	1.83	*1.64	1.53			*0.96	*0.96	@13.46
5	*2.51	1.80	*2.01	1.52			*0.98	*0.98	@13.73
4	*2.61	1.76	*2.30	1.50			*1.00	*1.00	@13.92
3	*2.72	1.72	2.43	1.47	*1.13	*1.13	*1.04	*1.04	@14.04
2	2.75	1.68	2.40	1.44	*1.29	1.23	*1.08	*1.08	@14.09
1	2.70	1.64	2.37	1.41	*1.29	1.21	*1.13	*1.13	@14.07
0(GROUN)	2.67	1.60	2.34	1.39			*1.20	*1.20	@13.97
1	2.63	1.57	2.32	1.36			*1.27	1.22	@13.80
2	2.61	1.55	2.31	1.35			*1.36	1.26	@13.56
3	2.59	1.54	*2.14	1.35			*1.48	1.31	@13.23
4	2.59	1.53					*1.62	1.39	@12.82
5	2.61	1.55					*1.80	1.49	@12.31
6							*2.04	1.64	@11.69
7							*2.38	1.85	@10.95
8							*2.76	2.15	@10.05
9							*2.67	2.62	@8.95
10							*2.46	*2.46	@7.53

1. RATINGS ARE BASED ON SAE J1097
2. LOAD POINT IS THE HOOK ON THE BACK OF THE BUCKET.
3. * RATED LOADS ARE BASED ON HYDRAULIC CAPACITY.
4. RATED LOADS DO NOT EXCEED 87% OF HYD. CAPACITY OR 75% OF TIPPING CAPACITY.







MODEL	DX225LCA/DX220A/DX220AF	DWG No	K1025586	50/67
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- OPTION 8.5m Boom, 6.2m Arm, 600mm SHOE (6/6)



- TRACK WIDTH : 2.99m (9' 10") LC TRACK
- BOOM : 8.5m (27' 11")
- ARM : 6.2m (20' 4")
- BUCKET : SAE 0.39m³ HEAPED
(CECE 0.35m³)
- SHOE : 600mm (24")
- COUNTER WEIGHT : 5300 kg (11684.5 lb)
- UNIT : 1000 kg (1000 lb)
-  : RATING OVER FRONT
-  : RATING OVER SIDE OR 360 degree

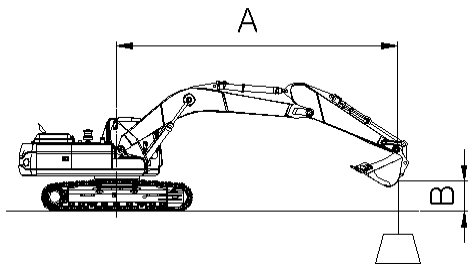
FEET



A(ft) \ B(ft)	40		45		MAX. REACH		
							A(ft)
40					*2.27	*2.27	@31.16
35					*2.13	*2.13	@35.91
30					*2.07	*2.07	@39.46
25	*3.86	*3.86			*2.07	*2.07	@42.12
20	*5.08	3.91			*2.10	*2.10	@44.05
15	*5.59	3.81	*2.63	*2.63	*2.18	*2.18	@45.34
10	*5.92	3.69	*3.63	2.88	*2.28	*2.28	@46.06
5	5.86	3.56	*4.09	2.82	*2.43	*2.43	@46.22
0(GROUND)	5.73	3.44	*3.94	2.75	*2.64	*2.64	@45.84
-5	5.63	3.35			*2.90	2.73	@44.89
-10	5.58	3.30			*3.27	2.90	@43.35
-15	5.60	3.31			*3.78	3.18	@41.14
-20					*4.55	3.66	@38.14
-25					*5.87	4.45	@34.16
-30					*5.83	*5.83	@28.77

1. RATINGS ARE BASED ON SAE J1097
2. LOAD POINT IS THE HOOK ON THE BACK OF THE BUCKET.
3. * RATED LOADS ARE BASED ON HYDRAULIC CAPACITY.
4. RATED LOADS DO NOT EXCEED 87% OF HYD. CAPACITY OR 75% OF TIPPING CAPACITY.











MODEL	DX225LCA/DX220A/DX220AF	DWG No	K1025586	51/67
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- OPTION 8.5m Boom, 6.2m Arm, 800mm SHOE (1/6)



TRACK WIDTH	: 3.19m (10' 6") LC TRACK
BOOM	: 8.5m (27' 11")
ARM	: 6.2m (20' 4")
BUCKET	: SAE 0.39m ³ HEAPED (CECE 0.35m ³)
SHOE	: 800mm (32")
COUNTER WEIGHT	: 5300 kg (11684.5 lb)
UNIT	: 1000 kg (1000 lb)
	: RATING OVER FRONT
	: RATING OVER SIDE OR 360 degree

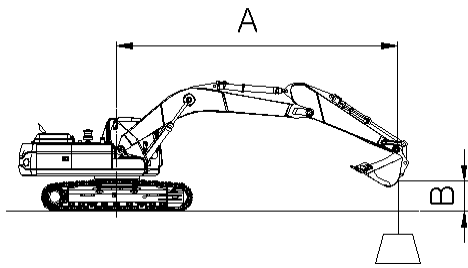
METRIC



A(m) \ B(m)	2		3		4		5		6	
										
12										
11										
10										
9										
8										
7										
6										
5										
4										
3					*7.67	*7.67	*5.88	*5.88	*4.84	*4.84
2					*5.32	*5.32	*6.87	6.67	*5.51	5.16
1					*3.48	*3.48	*7.66	6.31	*6.09	4.91
0(GROUN)					*3.21	*3.21	*6.47	6.05	*6.54	4.71
1			*2.09	*2.09	*3.48	*3.48	*6.02	5.89	*6.85	4.57
2	*2.14	*2.14	*2.77	*2.77	*4.01	*4.01	*6.21	5.80	*7.03	4.47
3	*2.89	*2.89	*3.52	*3.52	*4.69	*4.69	*6.74	5.76	*7.09	4.42
4	*3.65	*3.65	*4.32	*4.32	*5.51	*5.51	*7.55	5.76	*7.03	4.40
5	*4.47	*4.47	*5.21	*5.21	*6.47	*6.47	*8.25	5.79	*6.87	4.41
6	*5.34	*5.34	*6.19	*6.19	*7.59	*7.59	*7.85	5.84	*6.58	4.45
7	*6.31	*6.31	*7.31	*7.31	*8.84	8.42	*7.30	5.93	*6.16	4.51
8	*7.40	*7.40	*8.62	*8.62	*7.88	*7.88	*6.57	6.04	*5.58	4.59
9			*8.11	*8.11	*6.64	*6.64	*5.59	*5.59	*4.76	4.71
10							*4.25	*4.25	*3.57	*3.57

1. RATINGS ARE BASED ON SAE J1097
2. LOAD POINT IS THE HOOK ON THE BACK OF THE BUCKET.
3. * RATED LOADS ARE BASED ON HYDRAULIC CAPACITY.
4. RATED LOADS DO NOT EXCEED 87% OF HYD. CAPACITY OR 75% OF TIPPING CAPACITY.







MODEL	DX225LCA/DX220A/DX220AF	DWG No	K1025586	52/67
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- OPTION 8.5m Boom, 6.2m Arm, 800mm SHOE (2/6)



- TRACK WIDTH : 3.19m (10' 6") LC TRACK
- BOOM : 8.5m (27' 11")
- ARM : 6.2m (20' 4")
- BUCKET : SAE 0.39m³ HEAPED
(CECE 0.35m³)
- SHOE : 800mm (32")
- COUNTER WEIGHT : 5300 kg (11684.5 lb)
- UNIT : 1000 kg (1000 lb)
-  : RATING OVER FRONT
-  : RATING OVER SIDE OR 360 degree

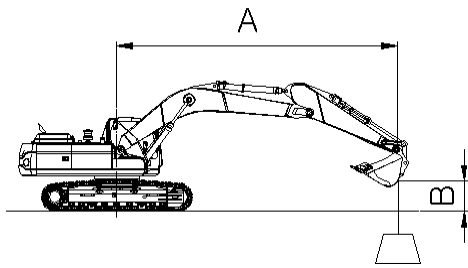
FEET

A(ft) \ B(ft)	10		15		20	
						
40						
35						
30						
25						
20						
15						
10			*14.23	*14.23	*10.44	*10.44
5			*16.01	*16.01	*12.54	10.85
0(GROUND)			*10.58	*10.58	*14.14	10.16
-5	*5.48	*5.48	*10.79	*10.79	*15.06	9.73
-10	*7.93	*7.93	*12.69	*12.69	*15.35	9.53
-15	*10.72	*10.72	*15.62	14.58	*15.07	9.49
-20	*13.98	*13.98	*18.67	14.81	*14.21	9.59
-25	*17.99	*17.99	*16.35	15.18	*12.64	9.82
-30	*17.10	*17.10	*12.85	*12.85	*10.01	*10.01

1. RATINGS ARE BASED ON SAE J1097
2. LOAD POINT IS THE HOOK ON THE BACK OF THE BUCKET.
3. * RATED LOADS ARE BASED ON HYDRAULIC CAPACITY.
4. RATED LOADS DO NOT EXCEED 87% OF HYD. CAPACITY OR 75% OF TIPPING CAPACITY.

MODEL	DX225LCA/DX220A/DX220AF	DWG No	K1025586	53/67
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- OPTION 8.5m Boom, 6.2m Arm, 800mm SHOE (3/6)



TRACK WIDTH	: 3.19m (10' 6") LC TRACK
BOOM	: 8.5m (27' 11")
ARM	: 6.2m (20' 4")
BUCKET	: SAE 0.39m ³ HEAPED (CECE 0.35m ³)
SHOE	: 800mm (32")
COUNTER WEIGHT	: 5300 kg (11684.5 lb)
UNIT	: 1000 kg (1000 lb)
	: RATING OVER FRONT
	: RATING OVER SIDE OR 360 degree

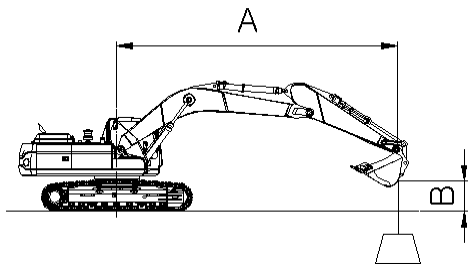
METRIC



A(m) \ B(m)	7		8		9		10		11	
12										
11							*1.67	*1.67		
10							*2.10	*2.10	*1.51	*1.51
9							*2.28	*2.28	*2.00	*2.00
8							*2.33	*2.33	*2.32	2.30
7							*2.42	*2.42	*2.40	2.28
6					*2.63	*2.63	*2.55	*2.55	*2.49	2.24
5			*3.02	*3.02	*2.85	*2.85	*2.71	2.61	*2.60	2.20
4	*3.69	*3.69	*3.35	*3.35	*3.09	3.03	*2.89	2.54	*2.74	2.14
3	*4.17	*4.17	*3.70	3.53	*3.35	2.93	*3.09	2.46	*2.88	2.09
2	*4.64	4.13	*4.04	3.39	*3.61	2.83	*3.28	2.39	*3.03	2.03
1	*5.07	3.95	*4.36	3.26	*3.85	2.73	*3.47	2.31	*3.17	1.98
0(GROUN)	*5.42	3.80	*4.64	3.14	*4.07	2.64	*3.63	2.25	3.15	1.93
1	*5.69	3.69	*4.86	3.05	4.19	2.57	3.59	2.19	3.11	1.88
2	*5.87	3.60	4.90	2.98	4.13	2.51	3.54	2.15	3.07	1.85
3	5.90	3.55	4.85	2.94	4.09	2.48	3.51	2.12	3.05	1.83
4	5.87	3.53	4.82	2.91	4.06	2.45	3.49	2.10	3.04	1.82
5	*5.83	3.53	4.82	2.91	4.06	2.45	3.49	2.10	3.04	1.82
6	*5.61	3.55	4.84	2.92	4.08	2.47	3.51	2.12	3.07	1.84
7	*5.27	3.60	*4.55	2.96	*3.93	2.50	*3.37	2.15		
8	*4.77	3.67	*4.09	3.03	*3.47	2.56	*2.80	2.23		
9	*4.04	3.77	*3.37	3.13						
10	*2.88	*2.88								

1. RATINGS ARE BASED ON SAE J1097
2. LOAD POINT IS THE HOOK ON THE BACK OF THE BUCKET.
3. * RATED LOADS ARE BASED ON HYDRAULIC CAPACITY.
4. RATED LOADS DO NOT EXCEED 87% OF HYD. CAPACITY OR 75% OF TIPPING CAPACITY.







MODEL	DX225LCA/DX220A/DX220AF	DWG No	K1025586	54/67
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- OPTION 8.5m Boom, 6.2m Arm, 800mm SHOE (4/6)



TRACK WIDTH	: 3.19m (10' 6") LC TRACK
BOOM	: 8.5m (27' 11")
ARM	: 6.2m (20' 4")
BUCKET	: SAE 0.39m ³ HEAPED (CECE 0.35m ³)
SHOE	: 800mm (32")
COUNTER WEIGHT	: 5300 kg (11684.5 lb)
UNIT	: 1000 kg (1000 lb)
	: RATING OVER FRONT
	: RATING OVER SIDE OR 360 degree

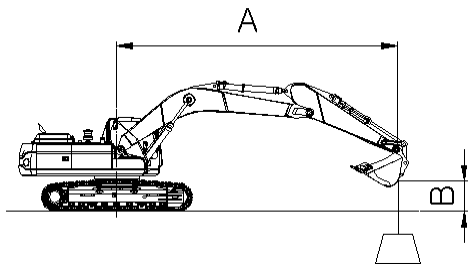
FEET



A(ft) \ B(ft)	25		30		35	
						
40						
35					*2.92	*2.92
30					*4.65	*4.65
25					*5.20	*5.20
20			*5.74	*5.74	*5.50	5.24
15	*7.17	*7.17	*6.45	*6.45	*5.95	5.07
10	*8.46	8.40	*7.26	6.31	*6.47	4.87
5	*9.74	7.88	*8.09	5.98	*7.01	4.66
0(GROUND)	*10.81	7.44	*8.81	5.69	7.29	4.47
-5	*11.55	7.12	8.95	5.47	7.13	4.32
-10	11.48	6.94	8.80	5.33	7.03	4.22
-15	11.41	6.88	8.75	5.28	7.00	4.20
-20	*11.23	6.93	8.79	5.32	7.06	4.25
-25	*10.01	7.09	*7.91	5.47		
-30	*7.69	7.41				

1. RATINGS ARE BASED ON SAE J1097
2. LOAD POINT IS THE HOOK ON THE BACK OF THE BUCKET.
3. * RATED LOADS ARE BASED ON HYDRAULIC CAPACITY.
4. RATED LOADS DO NOT EXCEED 87% OF HYD. CAPACITY OR 75% OF TIPPING CAPACITY.









MODEL	DX225LCA/DX220A/DX220AF	DWG No	K1025586	55/67
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- OPTION 8.5m Boom, 6.2m Arm, 800mm SHOE (5/6)



TRACK WIDTH	: 3.19m (10' 6") LC TRACK
BOOM	: 8.5m (27' 11")
ARM	: 6.2m (20' 4")
BUCKET	: SAE 0.39m ³ HEAPED (CECE 0.35m ³)
SHOE	: 800mm (32")
COUNTER WEIGHT	: 5300 kg (11684.5 lb)
UNIT	: 1000 kg (1000 lb)
	: RATING OVER FRONT
	: RATING OVER SIDE OR 360 degree

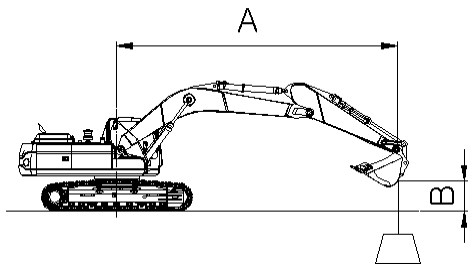
METRIC



A(m) \ B(m)	12		13		14		MAX. REACH		
									A(m)
12							*1.02	*1.02	@9.70
11							*0.98	*0.98	@10.66
10							*0.95	*0.95	@11.46
9	*1.12	*1.12					*0.94	*0.94	@12.11
8	*1.75	*1.75					*0.94	*0.94	@12.66
7	*2.14	1.91	*1.12	*1.12			*0.94	*0.94	@13.10
6	*2.44	1.89	*1.65	1.59			*0.96	*0.96	@13.46
5	*2.52	1.86	*2.01	1.57			*0.98	*0.98	@13.73
4	*2.61	1.82	*2.30	1.55			*1.01	*1.01	@13.92
3	*2.72	1.78	2.51	1.52	*1.14	*1.14	*1.04	*1.04	@14.04
2	*2.83	1.74	2.48	1.49	*1.29	1.28	*1.08	*1.08	@14.09
1	2.79	1.70	2.45	1.46	*1.30	1.26	*1.14	*1.14	@14.07
0(GROUN)	2.75	1.66	2.42	1.44			*1.20	*1.20	@13.97
1	2.72	1.63	2.40	1.42			*1.27	1.27	@13.80
2	2.70	1.61	2.39	1.40			*1.37	1.31	@13.56
3	2.68	1.59	*2.14	1.40			*1.48	1.36	@13.23
4	2.68	1.59					*1.62	1.44	@12.82
5	2.69	1.60					*1.80	1.55	@12.31
6							*2.04	1.70	@11.69
7							*2.38	1.91	@10.95
8							*2.76	2.22	@10.05
9							*2.67	*2.67	@8.95
10							*2.46	*2.46	@7.53

1. RATINGS ARE BASED ON SAE J1097
2. LOAD POINT IS THE HOOK ON THE BACK OF THE BUCKET.
3. * RATED LOADS ARE BASED ON HYDRAULIC CAPACITY.
4. RATED LOADS DO NOT EXCEED 87% OF HYD. CAPACITY OR 75% OF TIPPING CAPACITY.







MODEL	DX225LCA/DX220A/DX220AF	DWG No	K1025586	56/67
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- OPTION 8.5m Boom, 6.2m Arm, 800mm SHOE (6/6)



- TRACK WIDTH : 3.19m (10' 6") LC TRACK
- BOOM : 8.5m (27' 11")
- ARM : 6.2m (20' 4")
- BUCKET : SAE 0.39m³ HEAPED
(CECE 0.35m³)
- SHOE : 800mm (32")
- COUNTER WEIGHT : 5300 kg (11684.5 lb)
- UNIT : 1000 kg (1000 lb)
-  : RATING OVER FRONT
-  : RATING OVER SIDE OR 360 degree

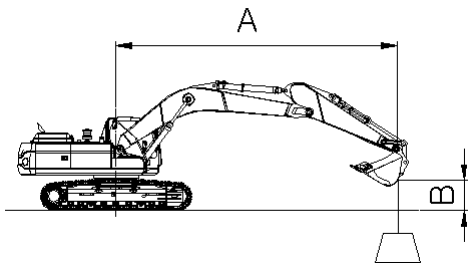
FEET

A(ft) \ B(ft)	40		45		MAX. REACH		
							A(ft)
40					*2.28	*2.28	@31.16
35					*2.14	*2.14	@35.91
30					*2.08	*2.08	@39.46
25	*3.87	*3.87			*2.07	*2.07	@42.12
20	*5.08	4.03			*2.11	*2.11	@44.05
15	*5.60	3.93	*2.64	*2.64	*2.18	*2.18	@45.34
10	*5.92	3.81	*3.64	2.99	*2.29	*2.29	@46.06
5	6.04	3.68	*4.10	2.92	*2.44	*2.44	@46.22
0(GROUND)	5.92	3.56	*3.95	2.86	*2.64	*2.64	@45.84
-5	5.82	3.47			*2.91	2.84	@44.89
-10	5.77	3.42			*3.27	3.01	@43.35
-15	5.79	3.44			*3.79	3.30	@41.14
-20					*4.56	3.78	@38.14
-25					*5.88	4.60	@34.16
-30					*5.84	*5.84	@28.77

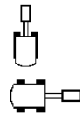
1. RATINGS ARE BASED ON SAE J1097
2. LOAD POINT IS THE HOOK ON THE BACK OF THE BUCKET.
3. * RATED LOADS ARE BASED ON HYDRAULIC CAPACITY.
4. RATED LOADS DO NOT EXCEED 87% OF HYD. CAPACITY OR 75% OF TIPPING CAPACITY.

MODEL	DX225LCA/DX220A/DX220AF	DWG No	K1025586	57/67
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- OPTION 5.7m Boom, 2.9m Arm, 600mm SHOE, STD TRACK (1/2)



TRACK WIDTH : 2.80m (9' 2") STD TRACK
 BOOM : 5.7m (18' 8")
 ARM : 2.9m (9' 6")
 BUCKET : SAE 0.92m³ HEAPED
 (CECE 0.81m³)
 SHOE : 600mm (24")
 COUNTER WEIGHT : 3,800 kg (8,377 lb)
 UNIT : 1000 kg (1000 lb)



: RATING OVER FRONT

: RATING OVER SIDE OR 360 degree

METRIC

A(m) \ B(m)	1		2		3		4	
8								
7								
6								
5								
4								
3					*11.82	11.53	*8.47	7.22
2					*9.12	*9.12	*10.01	6.66
1					*7.74	*7.74	10.46	6.26
0(GROUND)			*5.21	*5.21	*8.82	*8.82	10.19	6.03
1			*7.63	*7.63	*10.76	9.61	10.07	5.93
2	*8.80	*8.80	*10.01	*10.01	*13.31	9.67	10.06	5.92
3	*10.98	*10.98	*12.68	*12.68	*13.72	9.81	10.13	5.98
4			*15.89	*15.89	*11.98	10.03	*9.47	6.11
5					*9.41	*9.41	*7.52	6.33

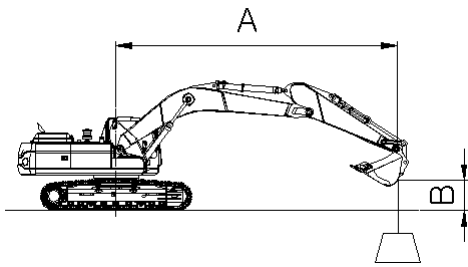
FEET

A(m) \ B(m)	5		10		15		20	
25							*7.95	*7.95
20							*9.90	9.06
15							*10.98	8.67
10			*25.20	24.9	*16.21	12.9	12.43	8.08
5			*18.43	*18.43	18.77	11.63	11.76	7.47
0(GROUND)			*20.01	*20.01	17.87	10.85	11.27	7.02
5	*17.98	*17.98	*27.01	20.64	17.54	10.56	11.02	6.8
10	*26.02	*26.02	*29.71	21.03	17.64	10.65	11.06	6.83
15			*23.19	21.85	*16.45	11.09		

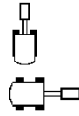
1. RATINGS ARE BASED ON SAE J1097
2. LOAD POINT IS THE HOOK ON THE BACK OF THE BUCKET.
3. * RATED LOADS ARE BASED ON HYDRAULIC CAPACITY.
4. RATED LOADS DO NOT EXCEED 87% OF HYD. CAPACITY OR 75% OF TIPPING CAPACITY.

MODEL	DX225LCA/DX220A/DX220AF	DWG No	K1025586	58/67
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- OPTION 5.7m Boom, 2.9m Arm, 600mm SHOE, STD TRACK (1/2)



TRACK WIDTH : 2.80m (9' 2") STD TRACK
 BOOM : 5.7m (18' 8")
 ARM : 2.9m (9' 6")
 BUCKET : SAE 0.92m³ HEAPED
 (CECE 0.81m³)
 SHOE : 600mm (24")
 COUNTER WEIGHT : 3,800 kg (8,377 lb)
 UNIT : 1000 kg (1000 lb)



: RATING OVER FRONT

: RATING OVER SIDE OR 360 degree

METRIC

A(m) \ B(m)	5		6		7		8		MAX. REACH		
											A(m)
8									*3.19	*3.19	@5.95
7									*3.01	*3.01	@6.86
6			*4.51	4.22	*4.09	3.16			*2.93	2.73	@7.51
5			*4.83	4.11	*4.63	3.1			*2.93	2.37	@7.99
4	*5.90	5.37	*5.30	3.94	4.59	3	3.61	2.32	*2.99	2.13	@8.32
3	*6.83	5.05	5.78	3.75	4.46	2.88	3.54	2.25	*3.11	1.98	@8.52
2	7.5	4.74	5.57	3.56	4.33	2.76	3.46	2.18	3.05	1.89	@8.60
1	7.2	4.48	5.38	3.39	4.21	2.65	3.38	2.11	3.02	1.86	@8.56
0(GROUND)	7	4.3	5.24	3.26	4.11	2.56	3.33	2.05	3.08	1.89	@8.40
1	6.89	4.2	5.15	3.18	4.05	2.5	3.3	2.03	3.23	1.98	@8.11
2	6.85	4.17	5.12	3.15	4.03	2.49			3.51	2.16	@7.68
3	6.88	4.19	5.14	3.17	4.07	2.52			4	2.48	@7.09
4	6.99	4.29	5.24	3.26					4.9	3.06	@6.27
5	*5.87	4.48							*5.62	4.3	@5.14

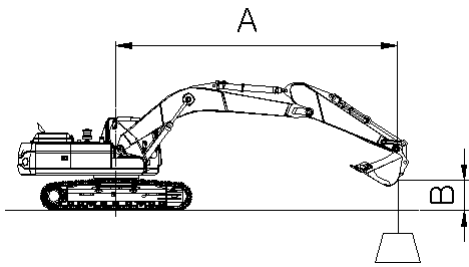
FEET

A(ft) \ B(ft)	25		MAX. REACH		
					A(ft)
25			*6.85	*6.85	@20.78
20			*6.47	6.11	@24.46
15	8.79	5.72	*6.50	4.98	@26.74
10	8.5	5.45	*6.84	4.38	@27.94
5	8.18	5.15	6.67	4.13	@28.20
0(GROUND)	7.92	4.91	6.78	4.17	@27.56
-5	7.82	4.81	7.4	4.55	@25.94
-10			8.88	5.51	@23.14
-15			*12.51	8.02	@18.60

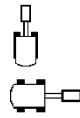
1. RATINGS ARE BASED ON SAE J1097
2. LOAD POINT IS THE HOOK ON THE BACK OF THE BUCKET.
3. * RATED LOADS ARE BASED ON HYDRAULIC CAPACITY.
4. RATED LOADS DO NOT EXCEED 87% OF HYD. CAPACITY OR 75% OF TIPPING CAPACITY.

MODEL	DX225LCA/DX220A/DX220AF	DWG No	K1025586	59/67
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- OPTION 5.7m Boom, 2.4m Arm, 600mm SHOE, STD TRACK (1/2)



TRACK WIDTH : 2.80m (9' 2") STD TRACK
 BOOM : 5.7m (18' 8")
 ARM : 2.4m (7' 10")
 BUCKET : SAE 1.05m³ HEAPED
 (CECE 0.92m³)
 SHOE : 600mm (24")
 COUNTER WEIGHT : 3,800 kg (8,377 lb)
 UNIT : 1000 kg (1000 lb)



: RATING OVER FRONT

: RATING OVER SIDE OR 360 degree

METRIC

A(m) \ B(m)	2		3		4		5	
8								
7								
6								
5							*5.67	5.48
4			*10.17	*10.17	*7.70	7.52	*6.44	5.21
3					*9.29	6.94	*7.33	4.9
2					10.68	6.44	7.36	4.62
1					10.3	6.12	7.1	4.39
0(GROUND)			*7.79	*7.79	10.12	5.97	6.95	4.25
1	*7.54	*7.54	*10.78	9.71	10.07	5.93	6.87	4.19
2	*10.79	*10.79	*14.05	9.81	10.11	5.97	6.87	4.19
3	*14.33	*14.33	*12.64	9.98	*10.09	6.06	6.94	4.25
4	*13.36	*13.36	*10.61	10.24	*8.58	6.23	*6.90	4.38
5					*6.05	*6.05		

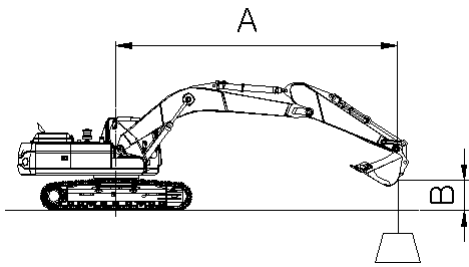
FEET

A(m) \ B(m)	5		10		15		20	
25								
20							*10.88	8.78
15					*13.90	13.77	*11.85	8.42
10					*17.56	12.48	12.2	7.87
5					18.43	11.34	11.6	7.32
0(GROUND)			*17.76	*17.76	17.74	10.73	11.18	6.94
5	*18.95	*18.95	*28.20	20.89	17.57	10.59	11.03	6.81
10	*29.52	*29.52	*27.39	21.39	17.8	10.79	11.18	6.94
15			*19.70	*19.70	*14.11	11.39		

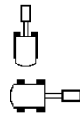
1. RATINGS ARE BASED ON SAE J1097
2. LOAD POINT IS THE HOOK ON THE BACK OF THE BUCKET.
3. * RATED LOADS ARE BASED ON HYDRAULIC CAPACITY.
4. RATED LOADS DO NOT EXCEED 87% OF HYD. CAPACITY OR 75% OF TIPPING CAPACITY.

MODEL	DX225LCA/DX220A/DX220AF	DWG No	K1025586	60/67
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- OPTION 5.7m Boom, 2.4m Arm, 600mm SHOE, STD TRACK (1/2)



TRACK WIDTH : 2.80m (9' 2") STD TRACK
 BOOM : 5.7m (18' 8")
 ARM : 2.4m (7' 10")
 BUCKET : SAE 1.05m³ HEAPED
 (CECE 0.92m³)
 SHOE : 600mm (24")
 COUNTER WEIGHT : 3,800 kg (8,377 lb)
 UNIT : 1000 kg (1000 lb)



: RATING OVER FRONT

: RATING OVER SIDE OR 360 degree

METRIC

A(m) \ B(m)	6		7		8		MAX. REACH		A(m)
8							*4.35	*4.35	@5.33
7	*4.91	4.13					*4.06	3.73	@6.31
6	*4.96	4.1	*4.04	3.04			*3.94	3.01	@7.03
5	*5.24	3.99	4.59	3			*3.94	2.58	@7.54
4	*5.69	3.83	4.5	2.92			3.62	2.31	@7.89
3	5.67	3.66	4.38	2.81	3.47	2.19	3.4	2.14	@8.10
2	5.48	3.48	4.26	2.7	3.41	2.13	3.28	2.04	@8.18
1	5.32	3.33	4.16	2.61	3.35	2.08	3.26	2.02	@8.14
0(GROUND)	5.2	3.23	4.09	2.54			3.34	2.06	@7.97
1	5.14	3.17	4.05	2.5			3.53	2.18	@7.67
2	5.13	3.17	4.06	2.51			3.89	2.41	@7.21
3	5.19	3.22					4.54	2.83	@6.57
4							*5.78	3.63	@5.68
5							*5.40	*5.40	@4.39

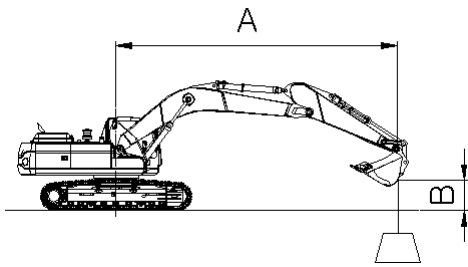
FEET



A(ft) \ B(ft)	25		MAX. REACH		A(ft)
25			*9.28	*9.28	@18.84
20			*8.71	6.77	@22.85
15	8.59	5.53	8.41	5.41	@25.28
10	8.36	5.32	7.51	4.73	@26.55
5	8.08	5.06	7.19	4.46	@26.82
0(GROUND)	7.89	4.88	7.35	4.53	@26.14
-5			8.14	5.03	@24.43
-10			10.09	6.29	@21.43
-15			*12.45	9.95	@16.42

1. RATINGS ARE BASED ON SAE J1097
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3. * RATED LOADS ARE BASED ON HYDRAULIC CAPACITY.
4. RATED LOADS DO NOT EXCEED 87% OF HYD. CAPACITY OR 75% OF TIPPING CAPACITY.









MODEL	DX225LCA/DX220A/DX220AF	DWG No	K1025586	61/67
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- DX220AF 5.7m Boom, 2.9m Arm, 800mm SHOE, FORESTRY TRACK (1/2)











- TRACK WIDTH : 3.19m (10' 6") FORESTRY TRACK
- BOOM : 5.7m (18' 8")
- ARM : 2.9m (9' 51")
- BUCKET : SAE 0.92m³ HEAPED
(CECE 0.92m³)
- SHOE : 800mm (32")
- COUNTER WEIGHT : 3,800 kg (8,377 lb)
- UNIT : 1000 kg (1000 lb)
-  : RATING OVER FRONT
-  : RATING OVER SIDE OR 360 degree

METRIC

A(m) \ B(m)	2		3		4		5	
								
8								
7								
6								
5								
4							*5.88	5.73
3			*11.80	*11.80	*8.44	7.7	*6.80	5.41
2			*9.12	*9.12	*9.98	7.14	*7.72	5.09
1			*7.74	*7.74	*11.08	6.74	*8.47	4.83
0(GROUND)	*5.22	*5.22	*8.82	*8.82	*11.63	6.5	8.85	4.65
1	*7.64	*7.64	*10.77	10.35	*11.70	6.4	8.73	4.55
2	*10.02	*10.02	*13.31	10.42	*11.37	6.4	8.69	4.52
3	*12.68	*12.68	*13.69	10.56	*10.64	6.46	*8.53	4.54
4	*15.88	*15.88	*11.94	10.78	*9.44	6.59	*7.59	4.64
5			*9.38	*9.38	*7.49	6.81	*5.84	4.83

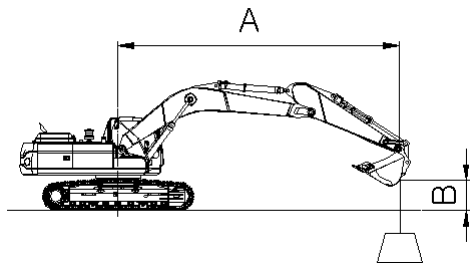
FEET



A(m) \ B(m)	5		10		15		20	
								
25							*7.93	*7.93
20							*9.86	9.68
15							*10.94	9.28
10			*25.14	*25.14	*16.16	13.79	*12.68	8.68
5			*18.45	*18.45	*19.81	12.51	*14.49	8.07
0(GROUND)			*20.02	*20.02	*21.92	11.72	14.11	7.61
5	*18.00	*18.00	*27.02	22.24	*22.14	11.43	13.85	7.39
10	*26.03	*26.03	*29.64	22.63	*20.53	11.52	13.9	7.43
15			*23.12	*23.12	*16.39	11.96		

1. RATINGS ARE BASED ON SAE J1097
2. LOAD POINT IS THE HOOK ON THE BACK OF THE BUCKET.
3. * RATED LOADS ARE BASED ON HYDRAULIC CAPACITY.
4. RATED LOADS DO NOT EXCEED 87% OF HYD. CAPACITY OR 75% OF TIPPING CAPACITY.









MODEL	DX225LCA/DX220A/DX220AF	DWG No	K1025586	62/67
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- DX220AF 5.7m Boom, 2.9m Arm, 800mm SHOE, FORESTRY TRACK (2/2)







- TRACK WIDTH : 3.19m (10' 6") FORESTRY TRACK
- BOOM : 5.7m (18' 8")
- ARM : 2.9m (9' 51")
- BUCKET : SAE 0.92m³ HEAPED
(CECE 0.92m³)
- SHOE : 800mm (32")
- COUNTER WEIGHT : 3,800 kg (8,377 lb)
- UNIT : 1000 kg (1000 lb)
-  : RATING OVER FRONT
-  : RATING OVER SIDE OR 360 degree

METRIC

A(m) \ B(m)	6		7		8		MAX. REACH		
									A(m)
8							*3.19	*3.19	@5.95
7							*3.00	*3.00	@6.86
6	*4.50	*4.50	*4.08	3.39			*2.92	*2.92	@7.51
5	*4.81	4.39	*4.61	3.33			*2.92	2.56	@7.99
4	*5.28	4.23	*4.89	3.23	*4.03	2.51	*2.98	2.32	@8.32
3	*5.85	4.03	*5.23	3.11	4.38	2.44	*3.10	2.16	@8.52
2	*6.42	3.84	5.36	2.99	4.3	2.37	*3.28	2.07	@8.60
1	6.71	3.67	5.24	2.87	4.22	2.3	*3.56	2.04	@8.56
0(GROUND)	6.56	3.54	5.14	2.79	4.16	2.25	3.85	2.07	@8.40
1	6.47	3.46	5.08	2.73	4.13	2.22	4.04	2.17	@8.11
2	6.44	3.43	5.06	2.72			4.4	2.36	@7.68
3	6.46	3.45	5.1	2.75			5	2.7	@7.09
4	*6.06	3.54					*5.64	3.32	@6.27
5							*5.60	4.64	@5.14

FEET

A(ft) \ B(ft)	25		MAX. REACH		
					A(ft)
25			*6.83	*6.83	@20.78
20			*6.45	*6.45	@24.46
15	*9.64	6.18	*6.48	5.39	@26.74
10	10.51	5.91	*6.82	4.78	@27.94
5	10.17	5.6	*7.50	4.52	@28.20
0(GROUND)	9.91	5.36	8.49	4.57	@27.56
-5	9.8	5.26	9.27	4.98	@25.94
-10			11.12	6.01	@23.14
-15			*12.46	8.68	@18.60

1. RATINGS ARE BASED ON SAE J1097
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3. * RATED LOADS ARE BASED ON HYDRAULIC CAPACITY.
4. RATED LOADS DO NOT EXCEED 87% OF HYD. CAPACITY OR 75% OF TIPPING CAPACITY

MODEL	DX225LCA/DX220A/DX220AF	DWG No	K1025586	63/67
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12. PERFORMANCE DATA

1) MAIN RELIEF PRESSURE

WORKING, TRAVEL : 330 [$\pm 10/0$] kg/cm²
 PRESSURE UP : 350 [$\pm 10/0$] kg/cm²

2) ACTUATOR SPEED

OPERATION		UNIT	NORMAL	POWER
BOOM	UP	SEC	3.3 ± 0.4	3.2 ± 0.4
	DOWN	SEC	2.6 ± 0.3	2.5 ± 0.3
ARM	CROWD	SEC	3.4 ± 0.4	3.3 ± 0.4
	DUMP	SEC	2.6 ± 0.3	2.5 ± 0.3
BUCKET	CROWD	SEC	3.6 ± 0.4	3.5 ± 0.4
	DUMP	SEC	2.3 ± 0.3	2.2 ± 0.3
SWING (3 REVOLUTIONS)		SEC	17.2 ± 1.5	16.5 ± 1.5
DOZER	UP	SEC	-	-
	DOWN	SEC	-	-
JACK-UP SPEED (3 TURNS)	LOW	SEC	34.5 ± 1.5	33.1 ± 2.0
	HIGH	SEC	18.7 ± 1.0	18.0 ± 1.5
TRAVEL SPEED (20 m)	LOW	SEC	25.0 ± 1.5	24.0 ± 1.5
	HIGH	SEC	13.6 ± 1.0	13.1 ± 1.0
TRAVEL DEVIATION (20 m)	LOW	mm	MAX. 150	MAX. 150
	HIGH	mm	MAX. 150	MAX. 150

13. NOISE LEVEL

L_{WA} GUARANTEED SOUND POWER LEVEL : 103 dB(A) (2000/14/EC)
 MEASURED SOUND POWER LEVEL : 102 dB(A) (2000/14/EC)
L_{pA} OPERATOR NOISE : 73 dB(A) (ISO 6396)

▶ ABOVE NOISE LEVEL DATA ARE TEST RESULTS OF PROTOTYPE MACHINE.

MODEL	DX225LCA/DX220A/DX220AF	DWG No	K1025586	64/67
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14. SUB GROUP WEIGHT

ITEM		UNIT	FIGURE	REMARKS	
UPPER STRUCTURE W/O FRONT		kg	9,853	WITH COUNTER WEIGHT	
COUNTER WEIGHT		kg	4,100		
LOWER STRUCTURE ASS'Y		kg	7,635	LC TRACK	
FRONT ASS'Y		kg	4,012		
BOOM (5.7m)		kg	1,445	WITH BUSH	
ARM (2.9m)		kg	679	WITH BUSH	
BUCKET (0.92m ³)		kg	700		
BOOM CYL. (ea)		kg	178		
ARM CYL.		kg	266		
BUCKET CYL.		kg	152		
DOZER		kg	-		
DOZER CYL. (ea)		kg	-		
OPTION	BOOM	5.2m	kg	1,333	
		8.5m	kg	1,884	
	ARM	2m	kg	579	
		2.4m	kg	595	
		3.5m	kg	815	
		6.2m	kg	1,052	
	BUCKET ;SAE (CECE)	0.51m ³ (0.47m ³)	kg	529	
		0.81m ³ (0.72m ³)	kg	654	
		1.05m ³ (0.92m ³)	kg	751	
		1.17m ³ (1.0m ³)	kg	809	
		1.28m ³ (1.11m ³)	kg	848	FOR STD TRACK
	SKELETON		kg	1,213	SKELETON TYPE
	COUNTER WEIGHT		kg	3,800	FOR STD TRACK, FORESTRY TRACK
			kg	5,300	FOR SLR FRONT
	LOWER STRUCTURE ASS'Y		kg	7,023	FOR STD TRACK
			kg	8,313	FOR FORESTRY TRACK

MODEL	DX225LCA/DX220A/DX220AF	DWG No	K1025586	65/67
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15. USER SERVICE DATA

COMPARTMENT/ GREASE JOINT	TYPE OF FLUID OR LUBRICANT	No. OF C/G	SERVICE INTERVAL (hr)						COM- MENTS
			10	50	250	500	1000	2000	
BUCKET JOINT PIN	GREASE	6	※△	△					
BOOM/ARM JOINT PIN	GREASE	11	※△		△				
SWING BEARING	GREASE	2		△					
SWING GEAR	GREASE	1				○			
HYD. ADJUST	GREASE	2				△			
SWING DEVICE	GREASE	1					△		
	GEAR OIL	5ℓ	■		※○			○	
TRAVEL DEVICE	GEAR OIL	2x3.3ℓ			■※○		○		
ENGINE OIL	ENGINE OIL	28ℓ	■	※○	○				
OIL TANK	ISO VG #46	195ℓ	■					○	
FUEL TANK	DIESEL	400ℓ	■	▲					
RADIATOR	WATER	24ℓ	■					○	
HYD. RETURN FILTER	ELEMENT	1			※○		○		
PILOT FILTER	ELEMENT	1			※○		○		
HYD. OIL SUC. FILTER	STRAINER	1						□	
ENGINE OIL FILTER	CARTRIDGE	1		※○	○				
WATER SEPARATOR	DRAIN WATER	-	▲						
FUEL FILTER	CARTRIDGE	1				○			
AIR CLEANER	ELEMENT (INNER)	1						○	
	ELEMENT (OUTER)	1				□		○	
RADIATOR CORE	CORE	1				□			
OIL COOLER CORE	CORE	1				□			
INTER COOLER CORE	CORE	1				□			
AIR-CON COND. CORE	CORE	1				□			
AIR BREATHER FILTER	CARTRIDGE	1					○		

※ : FIRST TIME ONLY ▲ : DRAIN WATER ■ : CHECK
 △ : GREASING ○ : REPLACING □ : CLEANING

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16. CIRCUITS

- HYDRAULIC CIRCUIT : K1008971A
- ELECTRIC CIRCUIT : K1014265A

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