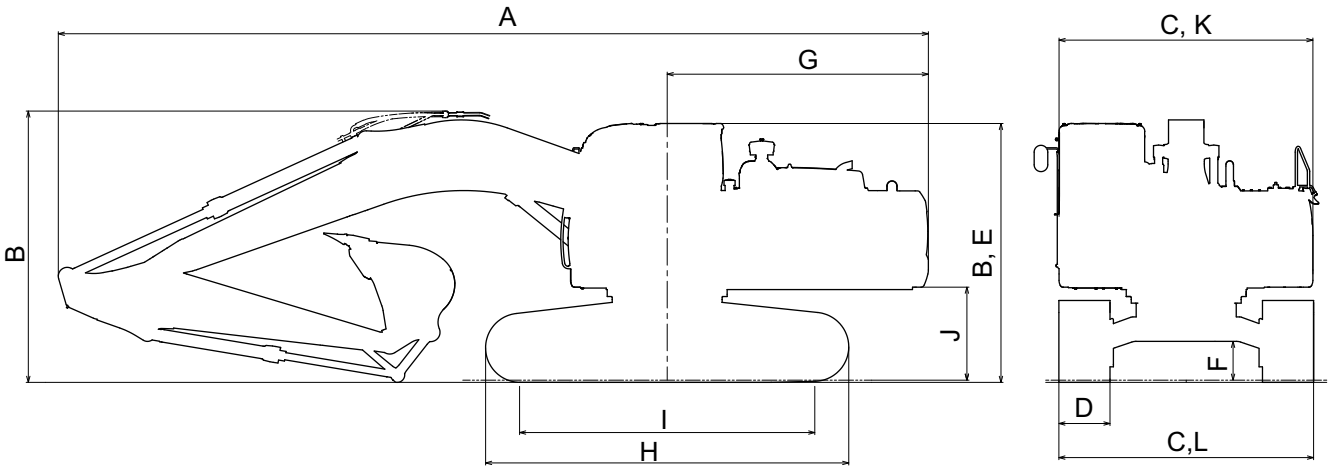
6.1 GENERAL SPECIFICATIONS

6.1.1 SK210LC-11, SK210NLC-11

	Item		Unit	SK210LC-11	SK210NLC-11
	Operating mass		kg (lb)	21,900 (48,300)	21,900 (48,300)
	Bucket capacity		m^3 (cu·yd)	0.8 (1.05)	0.8 (1.05)
	Engine name		—	Hino J05E-VA diesel engine	
	Engine rated power	ISO 9249 : With fan	kW/min^{-1}	119/2,000	119/2,000
		ISO 14396 : Without fan		124/2,000	124/2,000
	CO_2 value	NRTC (Total)*	g/kwh	680	
		RMC (Total)*		658	
A	Overall length		mm (ft.in.)	9,600 (31'6")	9,600 (31'6")
B	Overall height		mm (ft.in.)	3,060 (10'0")	3,060 (10'0")
C	Overall width		mm (ft.in.)	2,800 (9'2")	2,800 (9'2")
D	Track shoe width (Grouser shoe)		mm (inch)	600 (23.6")	600 (23.6")
E	Cab height		mm (ft.in.)	3,060 (10'0")	3,060 (10'0")
F	Minimum ground clearance (excluding lug height)		mm (inch)	425 (16.7")	425 (16.7")
G	Tail swing radius		mm (ft.in.)	2,910 (9'7")	2,910 (9'7")
H	Crawler overall length		mm (ft.in.)	4,450 (14'7")	4,450 (14'7")
I	Tumbler center distance		mm (ft.in.)	3,660 (12'0")	3,660 (12'0")
J	Clearance height under upper structure (excluding lug height)		mm (inch)	1,060 (3'6")	1,060 (3'6")
K	Overall width of upper structure		mm (ft.in.)	2,710 (8'11")	2,710 (8'11")
L	Crawler overall width		mm (ft.in.)	2,990 (9'10")	2,800 (9'2")
	Ground contact pressure		kPa(psi)	45 (6.5)	45 (6.5)
	Swing speed		min^{-1} (rpm)	12.7 (12.7)	12.7 (12.7)
	Travel speed (low/high)		km/h(mph)	3.6 / 6.0 (2.2 / 3.7)	3.6 / 6.0 (2.2 / 3.7)
	Gradeability		% (deg)	70 (35)	70 (35)

IMPORTANT

General specifications indicate the specifications of standard machine with the 5.65 m (18'6") boom and the 2.94 m (9'8") arm.
Bucket capacity is indicated by ISO.

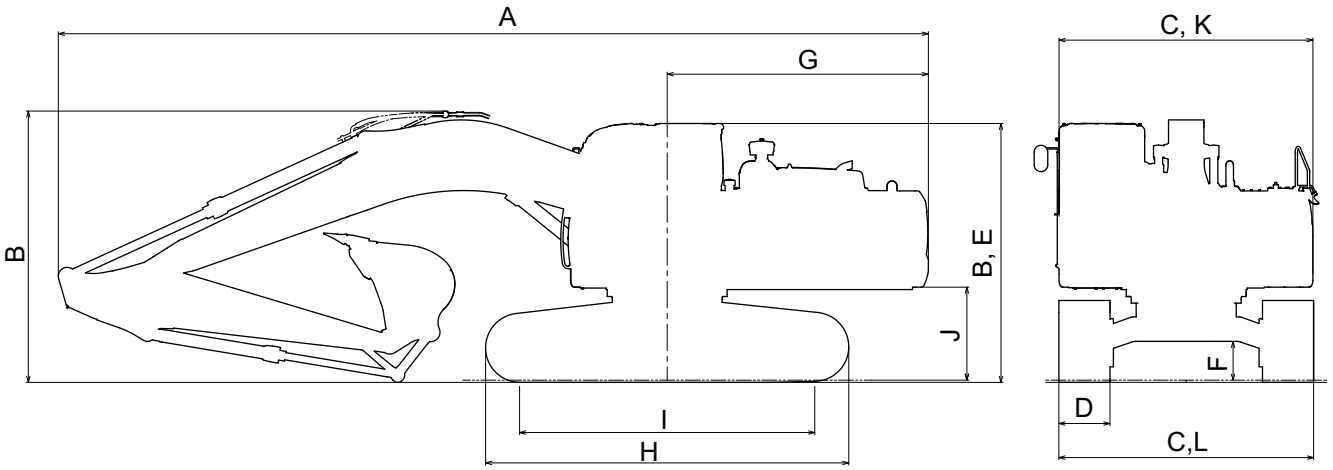


6.1.2 SK210SNLC-11, SK240SN-11

	Item		Unit	SK210SNLC-11	SK240SN-11
	Operating mass		kg (lb)	22,400 (49,400)	23,500 (51,800)
	Bucket capacity		m^3 (cu·yd)	0.8 (1.05)	0.8 (1.05)
	Engine name		—	Hino J05E-VA diesel engine	
	Engine rated power	ISO 9249 : With fan	kW/min^{-1}	119/2,000	119/2,000
		ISO 14396 : Without fan		124/2,000	124/2,000
	CO_2 value	NRTC (Total)*	g/kwh	680	
		RMC (Total)*		658	
A	Overall length		mm (ft.in.)	9,500 (31'2")	9,500 (31'2")
B	Overall height		mm (ft.in.)	3,060 (10'0")	3,070 (10'1")
C	Overall width		mm (ft.in.)	2,540 (8'4")	2,540 (8'4")
D	Track shoe width (Grouser shoe)		mm (inch)	500 (19.7")	550 (21.7")
E	Cab height		mm (ft.in.)	3,060 (10'0")	3,070 (10'1")
F	Minimum ground clearance (excluding lug height)		mm (inch)	425 (16.7")	440 (17.3")
G	Tail swing radius		mm (ft.in.)	2,800 (9'2")	2,800 (9'2")
H	Crawler overall length		mm (ft.in.)	4,450 (14'7")	4,270 (14'0")
I	Tumbler center distance		mm (ft.in.)	3,660 (12'0")	3,470 (11'5")
J	Clearance height under upper structure (excluding lug height)		mm (inch)	1,050 (3'5")	1,050 (3'5")
K	Overall width of upper structure		mm (ft.in.)	2,540 (8'4")	2,540 (8'4")
L	Crawler overall width		mm (ft.in.)	2,540 (8'4")	2,540 (8'4")
	Ground contact pressure		kPa(psi)	56 (8.1)	56 (8.1)
	Swing speed		min^{-1} (rpm)	12.7 (12.7)	12.7 (12.7)
	Travel speed (low/high)		km/h(mph)	3.6 / 6.0 (2.2 / 3.7)	3.6 / 6.0 (2.2 / 3.7)
	Gradeability		% (deg)	70 (35)	70 (35)

IMPORTANT

General specifications indicate the specifications of standard machine with the 5.65 m (18'6") boom and the 2.94 m (9'8") arm.
Bucket capacity is indicated by ISO.



6.2 SHOE TYPES AND USES

Notice

- Never use the shoes other than the grouser shoe of 600 mm (23.6") (SK210LC-11, SK210NLC-11), 500 mm (19.7") (SK210SNLC-11), 550 mm (21.7") (SK240SN-11) in barren (a field with a lots of rocks and gravel). Traveling and digging work in barren could cause bent shoes and loose shoe bolts and may also damage other travel system components (link, roller, etc.).
- The attachment is with a 2.94 m(9'8") arm and a 0.8 m^3(1.05 cu·yd)(heaped) bucket.
- The dimensions marked with * do not include height of shoe lug.

6.2.1 SK210LC-11

Type		Grouser shoe			
		600 (23.6")	700 (27.6")	790 (31.1")	900 (35.4")
Use		For ordinary soil	For soft soil	For soft soil	For soft soil
		(Standard)	(Option)	(Option)	(Option)
Body specification	Operating mass kg (lb)	21,900 (48,300)	22,400 (49,400)	22,600 (49,800)	22,900 (50,500)
	Cab height mm (ft-in)	3,060 (10'0")	←	←	←
	*Minimum ground clearance mm (inch)	※ 425 (16.7")	←	←	←
	Crawler overall length mm (ft-in)	4,450 (14'7")	←	←	←
	Crawler overall width mm (ft-in)	2,990 (9'10")	3,090 (10'1")	3,190 (10'6")	3,290 (10'10")
	Ground contact pressure kPa (psi)	45 (6.5)	40 (5.8)	36 (5.2)	32 (4.6)

6.2.2 SK210NLC-11

Type		Grouser shoe		
		600 (23.6")	700 (27.6")	790 (31.1")
Use		For ordinary soil	For soft soil	For soft soil
		(Standard)	(Option)	(Option)
Body specification	Operating mass kg (lb)	21,900 (48,300)	22,300 (49,200)	22,500 (49,600)
	Cab height mm (ft-in)	3,060 (10'0")	←	←
	*Minimum ground clearance mm (inch)	※ 425 (16.7")	←	←
	Crawler overall length mm (ft-in)	4,450 (14'7")	←	←
	Crawler overall width mm (ft-in)	2,800 (9'2")	3,090 (10'2")	3,180 (10'5")
	Ground contact pressure kPa (psi)	45 (6.5)	40 (5.8)	35 (5.0)

6.2.3 SK210SNLC-11

Type		Grouser shoe	
		500 (19.7")	600 (23.6")
Use		For ordinary soil	For soft soil
		(Standard)	(Option)
Body specification	Operating mass kg (lb)	22,400 (49,400)	22,600 (49,800)
	Cab height mm (ft-in)	3,060 (10'0")	←
	*Minimum ground clearance mm (inch)	※ 425 (16.7")	←
	Crawler overall length mm (ft-in)	4,450 (14'7")	←
	Crawler overall width mm (ft-in)	2,540 (8'4")	2,640 (8'8")
	Ground contact pressure kPa (psi)	56 (8.1)	47 (6.8)

6.2.4 SK240SN-11

Type		Grouser shoe
		550 (21.7")
Use		For ordinary soil
		(Standard)
Body specification	Operating mass kg (lb)	23,500 (51,800)
	Cab height mm (ft-in)	3,070 (10'1")
	*Minimum ground clearance mm (inch)	※ 440 (17.3")
	Crawler overall length mm (ft-in)	4,270 (14'0")
	Crawler overall width mm (ft-in)	2,540 (8'4")
	Ground contact pressure kPa (psi)	56 (8.1)

6.3 TABLE OF MASS

6.3.1 SK210LC-10

OPERATING MASS

	Grouser shoe			
	600 (23.6")	700 (27.6")	790 (31.1")	900 (35.4")
2.94m (9'8") Arm kg (lbs)	21,900 (48,300)	22,400 (49,400)	22,600 (49,800)	22,900 (50,500)
3.50m (11'6") Arm kg (lbs)	22,000 (48,500)	22,500 (49,600)	22,700 (50,100)	23,000 (50,700)
2.40m (7'10") Arm kg (lbs)	21,900 (48,300)	22,400 (49,400)	22,600 (49,800)	22,900 (50,500)

MACHINE MASS

	Grouser shoe			
	600 (23.6")	700 (27.6")	790 (31.1")	900 (35.4")
2.94m (9'8") Arm kg (lbs)	21,800(48,100)	22,300 (49,200)	22,500 (49,600)	22,800 (50,300)
3.50m (11'6") Arm kg (lbs)	21,900 (48,300)	22,400 (49,400)	22,600 (49,800)	22,900 (50,500)
2.40m (7'10") Arm kg (lbs)	21,800(48,100)	22,300 (49,200)	22,500 (49,600)	22,800 (50,300)

6.3.2 SK210NLC-11

OPERATING MASS

	Grouser shoe		
	600 (23.6")	700 (27.6")	790 (31.1")
2.94m (9'8") Arm kg (lbs)	21,900 (48,300)	22,300 (49,200)	22,500 (49,600)
3.50m (11'6") Arm kg (lbs)	21,900 (48,300)	22,400 (49,400)	22,600 (49,800)
2.40m (7'10") Arm kg (lbs)	21,900 (48,300)	22,300 (49,200)	22,500 (49,600)

MACHINE MASS

	Grouser shoe		
	600 (23.6")	700 (27.6")	790 (31.1")
2.94m (9'8") Arm kg (lbs)	21,800(48,100)	22,200 (49,000)	22,400 (49,400)
3.50m (11'6") Arm kg (lbs)	21,900 (48,300)	22,300 (49,200)	22,500 (49,600)
2.40m (7'10") Arm kg (lbs)	21,800(48,100)	22,200 (49,000)	22,400 (49,400)

6.3.3 SK210SNLC-11

OPERATING MASS

	Grouser shoe	
	500 (19.7")	600 (23.6")
2.94m (9'8") Arm kg (lbs)	22,400 (49,400)	22,600 (49,800)
2.40m (7'10") Arm kg (lbs)	22,400 (49,400)	22,600 (49,800)

MACHINE MASS

	Grouser shoe	
	500 (19.7")	600 (23.6")
2.94m (9'8") Arm kg (lbs)	22,300 (49,200)	22,500 (49,600)
2.40m (7'10") Arm kg (lbs)	22,300 (49,200)	22,500 (49,600)

6.3.4 SK240SN-11

OPERATING MASS

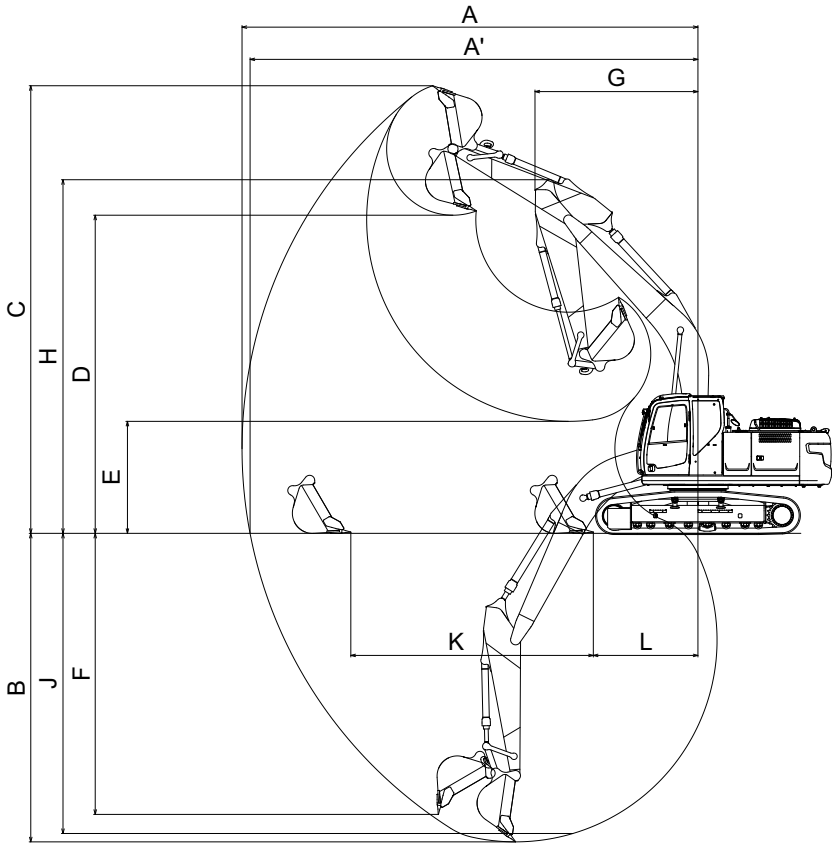
	Grouser shoe
	550 (21.7")
2.94m (9'8") Arm kg (lbs)	23,500 (51,800)
2.40m (7'10") Arm kg (lbs)	23,500 (51,800)

MACHINE MASS

	Grouser shoe
	550 (21.7")
2.94m (9'8") Arm kg (lbs)	23,400 (51,600)
2.40m (7'10") Arm kg (lbs)	23,400 (51,600)

6.4 WORKING RANGES

6.4.1 SK210LC-11, SK210NLC-11, SK210SNLC-11

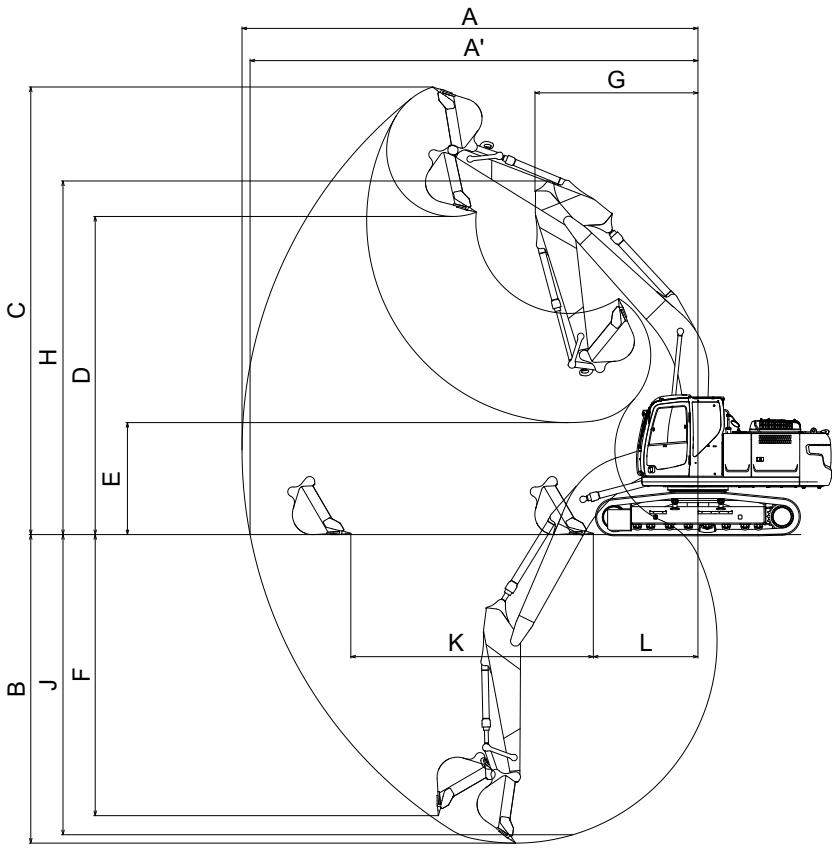


Item	Types of Attachment		2.40m (7'10") Arm With 0.93m³ (1.22 cu·yd) Bucket	2.94m (9'8") Arm With 0.8m³ (1.05 cu·yd) Bucket	3.50m (11'6") Arm With 0.7m³ (0.92 cu·yd) Bucket
A	Maximum digging reach		9,420 (30'11")	9,900 (32'6")	10,340 (33'11")
A'	Maximum reach at ground reference plane		9,240 (30'4")	9,730 (31'11")	10,170 (33'4")
*B	Maximum digging depth		6,160 (20'3")	6,700 (21'12")	7,260 (23'10")
*C	Maximum height of cutting edge		9,510 (31'2")	9,720 (31'11")	9,750 (32'0")
*D	Maximum dumping height		6,680 (21'11")	6,910 (22'8")	6,970 (22'10")
*E	Minimum dumping height		2,980 (9'9")	2,430 (7'12")	1,870 (6'2")
*F	Vertical digging depth		5,570 (18'3")	6,100 (20'0")	6,470 (21'3")
G	Minimum swing radius		3,560 (11'8")	3,550 (11'8")	3,480 (11'5")
*H	Height at minimum swing radius		7,750 (25'5")	7,680 (25'2)	7,720 (25'4")
*J	Eight feet level digging depth		5,950 (19'6")	6,520 (21'5")	7,080 (23'3")
K	Horizontal digging stroke at ground level	Stroke	4,080 (13'5")	5,270 (17'3")	6,080 (19'11")
L		At minimum	2,980 (9'9")	2,270 (7'5")	1,900 (6'3")

Notice

The dimensions marked with * do not include height of shoe lug.

6.4.2 SK240SN-11



Item	Types of Attachment		2.40m (7'10") Arm With 0.93m³ (1.22 cu·yd) Bucket	2.94m (9'8") Arm With 0.8m³ (1.05 cu·yd) Bucket
A	Maximum digging reach		9,420 (30'11")	9,900 (32'6")
A'	Maximum reach at ground reference plane		9,240 (30'4")	9,730 (31'11")
*B	Maximum digging depth		6,150 (20'2")	6,690 (21'11")
*C	Maximum height of cutting edge		9,510 (31'2")	9,730 (31'11")
*D	Maximum dumping height		6,690 (21'11")	6,920 (22'8")
*E	Minimum dumping height		2,980 (9'9")	2,440 (8'0")
*F	Vertical digging depth		5,570 (18'3")	6,100 (20'0")
G	Minimum swing radius		3,570 (11'9")	3,550 (11'8")
*H	Height at minimum swing radius		7,750 (25'5")	7,690 (25'3")
*J	Eight feet level digging depth		5,950 (19'6")	6,510 (21'4")
K	Horizontal digging stroke at ground level	Stroke	4,080 (13'5")	5,270 (17'3")
L		At minimum	2,980 (9'9")	2,270 (7'5")

Notice

The dimensions marked with * do not include height of shoe lug.

6.5 ATTACHMENT TYPE AND COMBINATION

6.5.1 FRONT VARIATION

- When a bucket with large capacity is used, it should be used in combination with a short arm so that the machine is stabilized and excessive load to the front part and the cylinders can be avoided.
- When a long boom or arm is used, it should be used in combination with a bucket with small capacity.

WARNING INTERFERENCE BY FRONT ATTACHMENT

Check clearance between the front attachment and the operator's station and other parts of the machine before starting operation because a certain kinds of front attachment and combination of the options installed on the base machine may cause the front attachment to interfere with the operator's station or other parts of the machine.

Notice

- Some installed attachments may cause failures of this machine or the attachment/equipment, voiding the manufacturer's warranty.
  Contact your KOBELCO authorized dealer for the attachment to be installed.
- Before using an inversely installed bucket, check that it does not interfere with the arm because interference can occur during operation and cause damage.

6.6 LIFT CAPACITY

6.6.1 EXPLANATION OF FIGURE

(1)Boom length

(2)Arm length

(3)Distance of load from swing center line

(4)Maximum load (ton) according to tipping limit based on ISO010567 (stability 75 % and hydraulic system 87 %)

(5)Maximum load at each working range from axis of swing

(6)Maximum load at maximum working range from axis of swing

(7)Counterweight

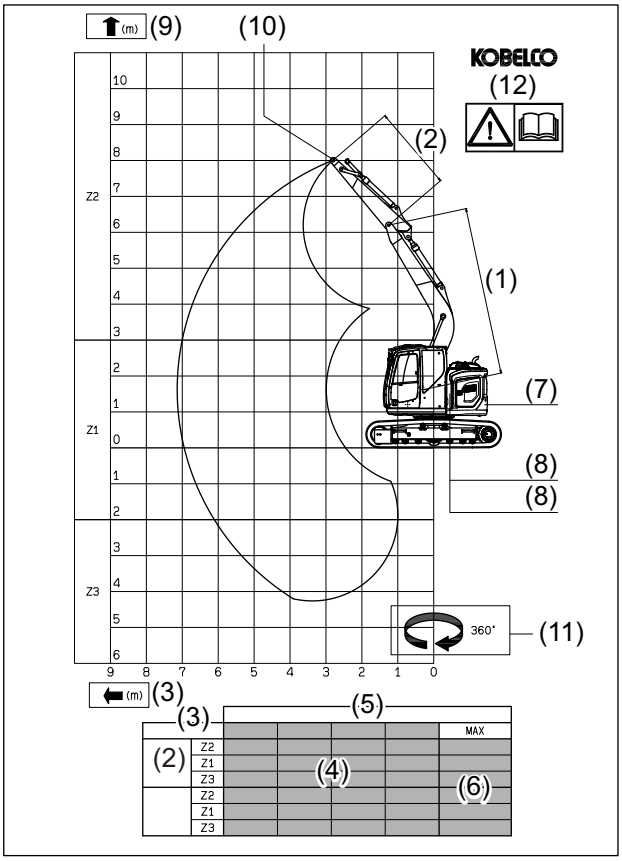
(8)Set pressure of main relief valve/ holding valve in hydraulic system

(9)Height of working range

(10)Lift point (axis)

(11)Axis of rotation

(12)Model name



Notice

Work conditions

- With no front attachment installed (bucket, clamshell, or others).
  When lifting a load with the front attachment installed, the weight of the front attachment shall be deducted from the values of this table.
- With a fully retracted bucket cylinder
- On a firm and level ground
- In full swing position

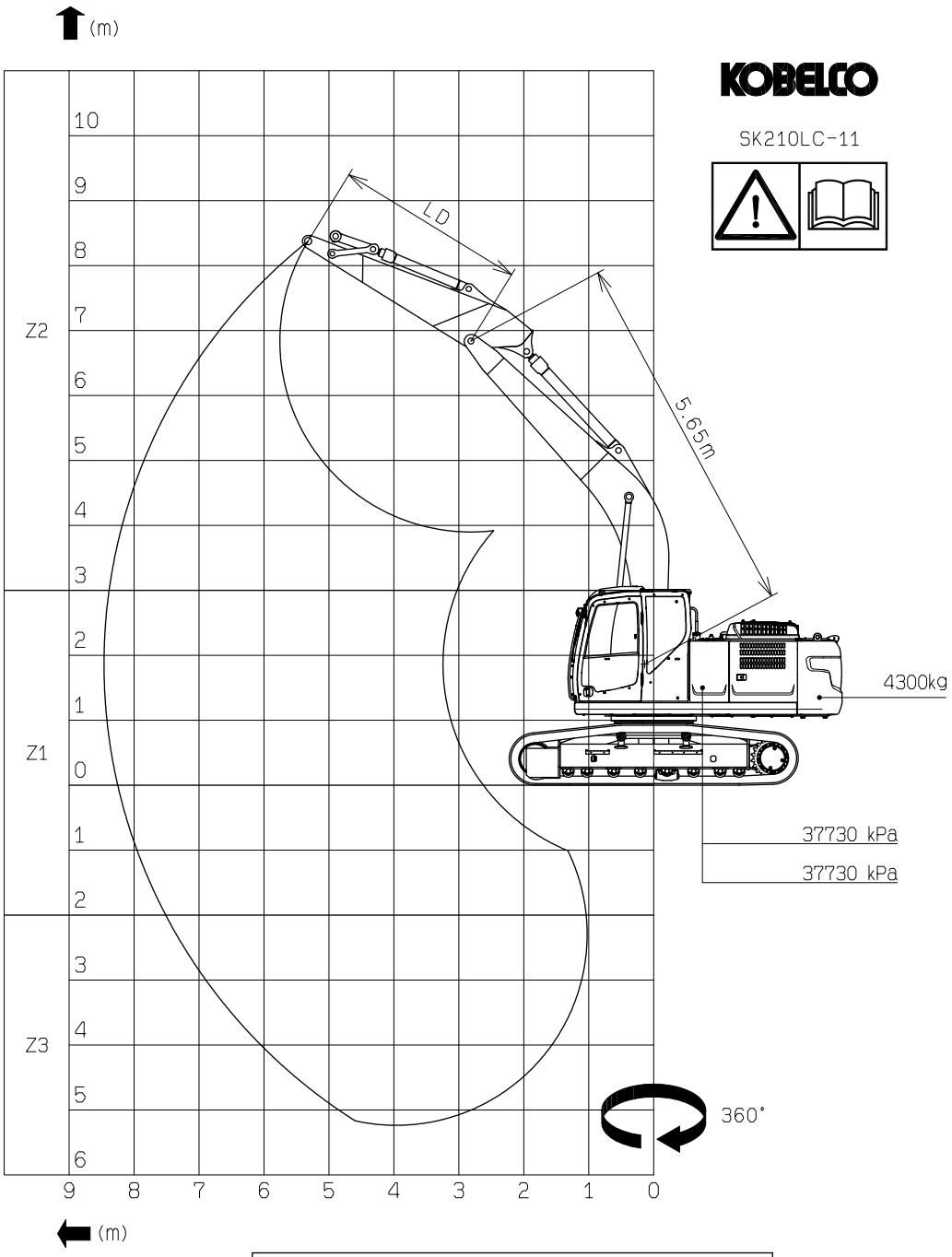
Loads on table

The loads on the table are valid for the work height of range (Z) considered in accordance with an intended distance from the axis of rotation.

6.6.2 LIFT CAPACITY

SK210LC-11 Counterweight: 4,300kg (9,480 lbs)

The lift capacity table is based on the standard machine equipped with the 2.94 m (9'8") arm and the 600 mm (23.6") shoe.

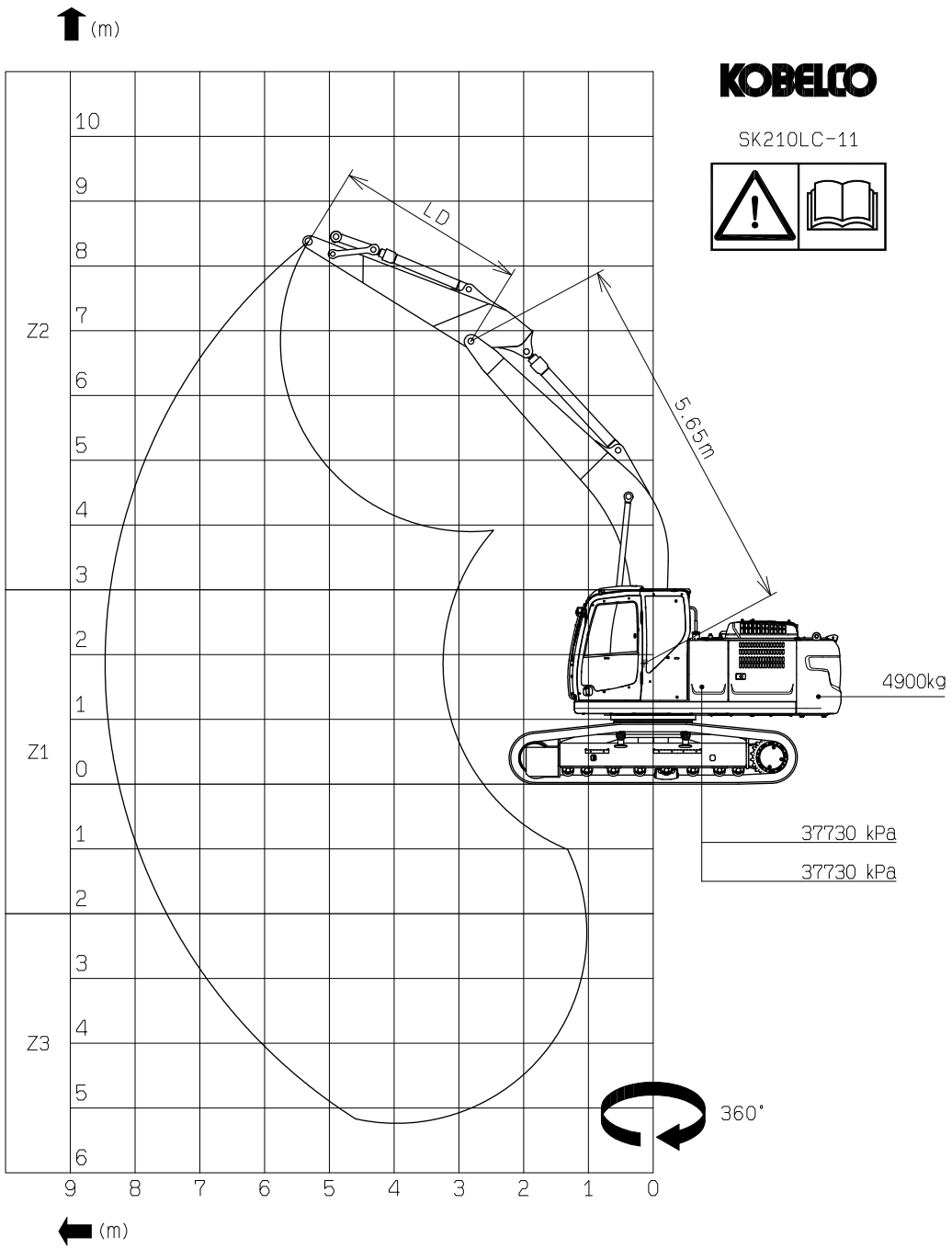


(m)		(kg)				
		3.0	4.5	6.0	7.5	MAX
LD= 2.40	Z2	–	7710	5030	3580	–
	Z1	8860	6750	4510	3370	3160(7.98m)
	Z3	10510	6230	4570	–	–
LD= 2.94	Z2	13230	7890	5100	3610	–
	Z1	5050	6700	4460	3300	2880(8.46m)
	Z3	8950	6350	4470	–	–
LD= 3.50	Z2	–	7800	5150	3620	–
	Z1	6830	6600	4360	3210	2630(8.9m)
	Z3	9230	6480	4360	3230	–

YN20T03051P1

SK210LC-11 Counterweight: 4,900kg (10,810 lbs)

The lift capacity table is based on the standard machine equipped with the 2.94 m (9'8") arm and the 600 mm (23.6") shoe.

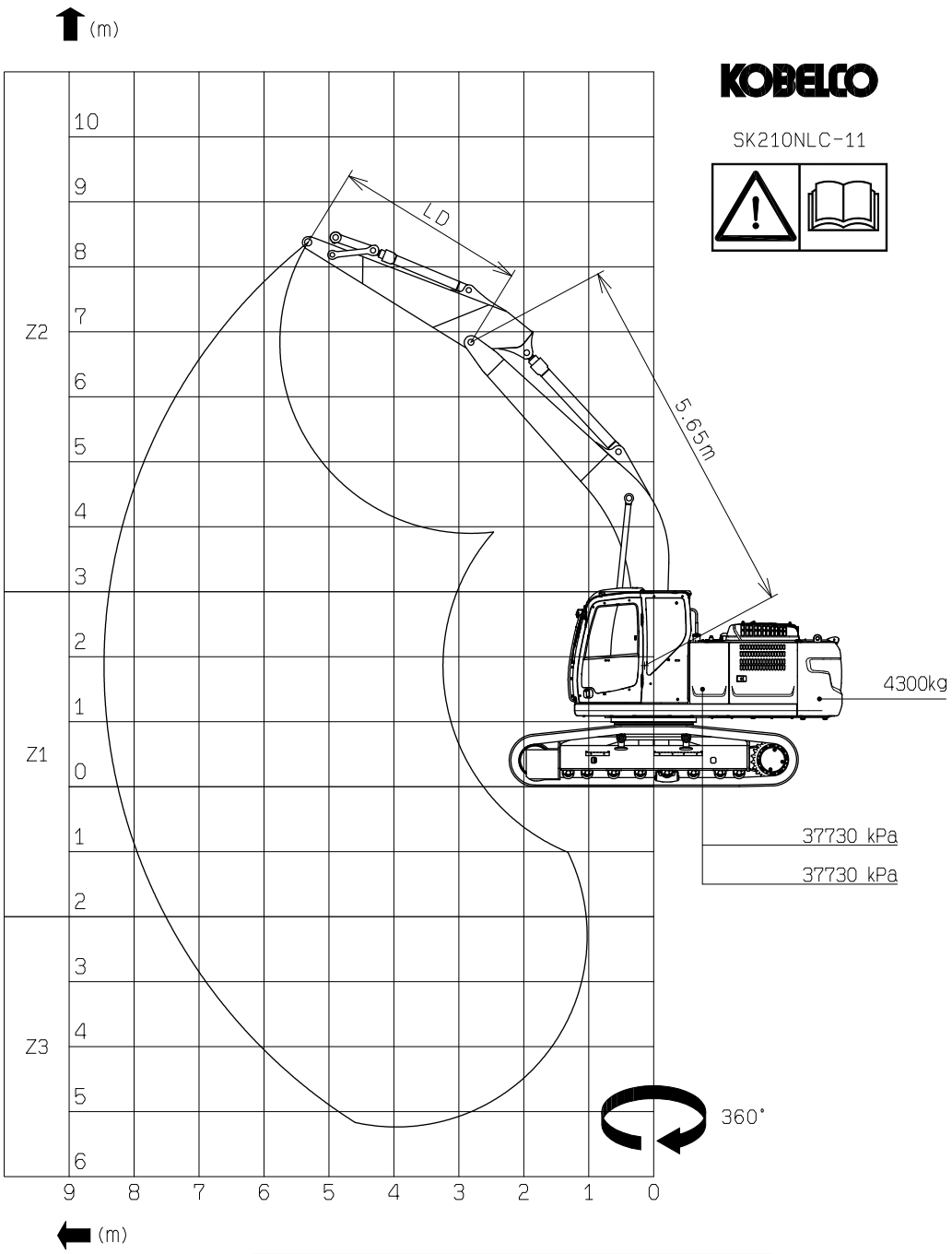


(m)		(kg) 3.0	4.5	6.0	7.5	MAX
LD= 2.40	Z2	–	7740	5390	3850	–
	Z1	8860	7280	4870	3640	3410(7.98m)
	Z3	10510	6230	4930	–	–
LD= 2.94	Z2	13230	8060	5300	3880	–
	Z1	5050	7230	4820	3580	3120(8.46m)
	Z3	8950	6350	4830	–	–
LD= 3.50	Z2	–	7800	5510	3750	–
	Z1	6830	7130	4720	3490	2850(8.9m)
	Z3	9230	6480	4720	3500	–

YN20T03052P1

SK210NLC-11 Counterweight: 4,300kg (9,480 lbs)

The lift capacity table is based on the standard machine equipped with the 2.94 m (9'8") arm and the 600 mm (23.6") shoe.

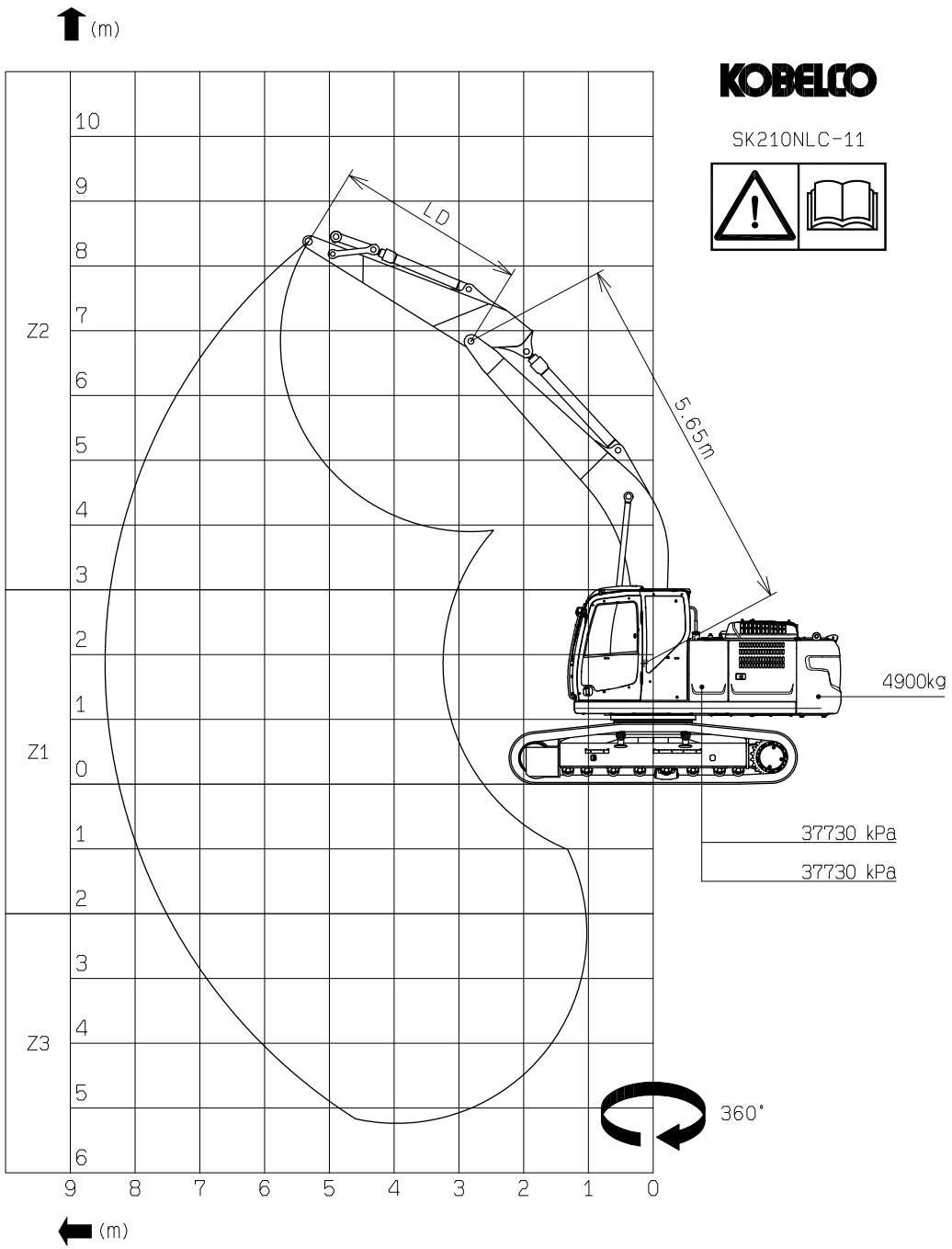


(m)		(kg) 3.0	4.5	6.0	7.5	MAX
LD= 2.40	Z2	–	7020	4610	3280	–
	Z1	8860	6090	4100	3070	2890(7.98m)
	Z3	10510	6170	4150	–	–
LD= 2.94	Z2	13230	7200	4670	3310	–
	Z1	5050	6040	4040	3010	2630(8.46m)
	Z3	8950	6080	4060	–	–
LD= 3.50	Z2	–	7370	4730	3310	–
	Z1	6830	5940	3950	2920	2390(8.9m)
	Z3	9230	5940	3950	2930	–

YN20T03053P1

SK210NLC-11 Counterweight: 4,900kg (10,810 lbs)

The lift capacity table is based on the standard machine equipped with the 2.94 m (9'8") arm and the 600 mm (23.6") shoe.

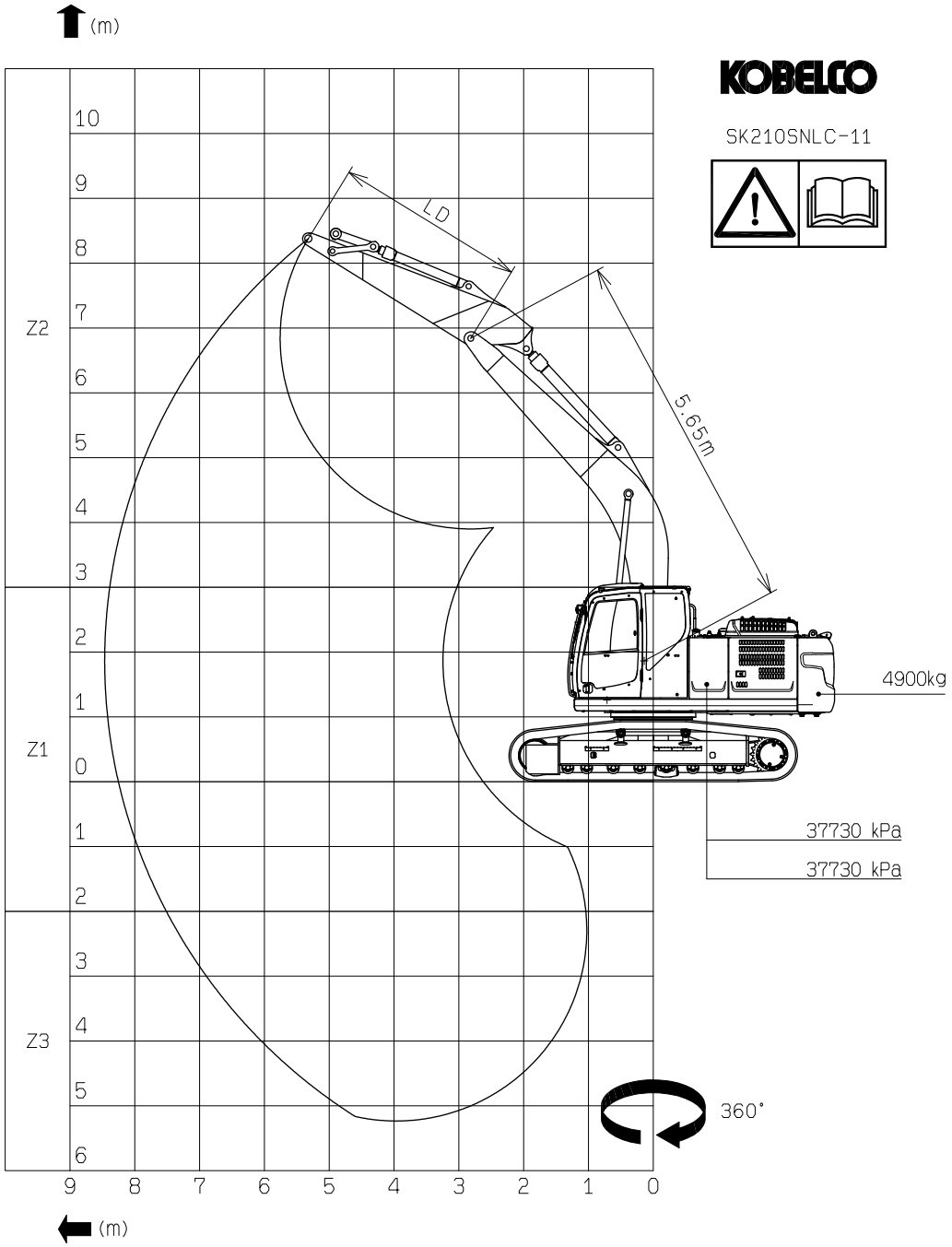


(m)		(kg) 3.0	4.5	6.0	7.5	MAX
LD= 2.40	Z2	–	7520	4960	3540	–
	Z1	8860	6590	4440	3330	3130(7.98m)
	Z3	10510	6230	4500	–	–
LD= 2.94	Z2	13230	7700	5020	3570	–
	Z1	5050	6540	4390	3270	2860(8.46m)
	Z3	8950	6350	4410	–	–
LD= 3.50	Z2	–	7800	5070	3580	–
	Z1	6830	6440	4300	3180	2610(8.9m)
	Z3	9230	6440	4300	3190	–

YN20T03054P1

SK210SNLC-11 Counterweight: 4,900kg (10,810 lbs)

The lift capacity table is based on the standard machine equipped with the 2.94 m (9'8") arm and the 500 mm (19.7") shoe.

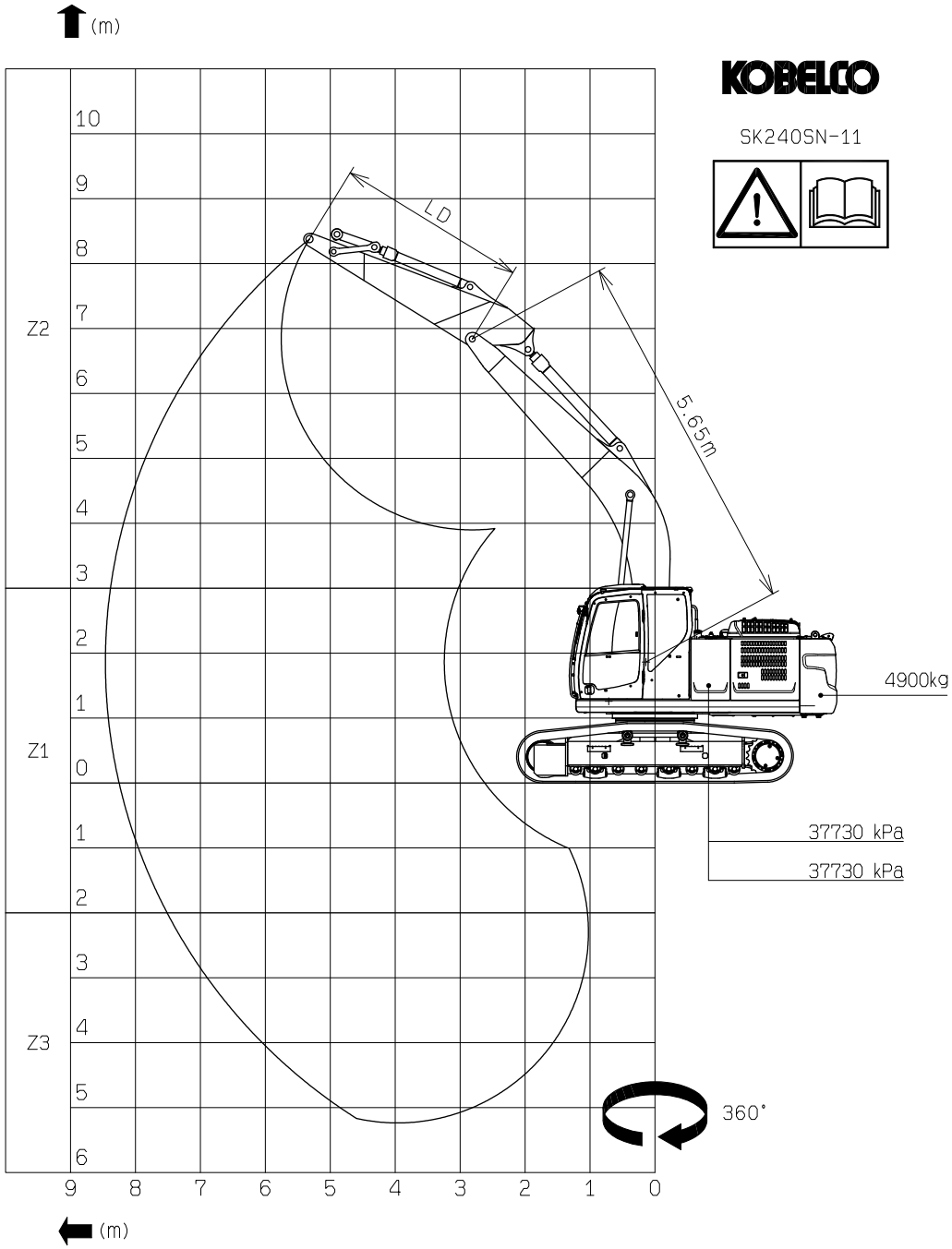


(m)		(kg) 3.0	4.5	6.0	7.5	MAX
LD= 2.40	Z2	-	7020	4670	3360	-
	Z1	8900	6150	4190	3160	2970(7.98m)
	Z3	10690	6230	4240	-	-
LD= 2.94	Z2	13160	7160	4700	3360	-
	Z1	5080	6060	4100	3070	2690(8.46m)
	Z3	9070	6100	4120	-	-

LN20T01009P1

SK240SN-11 Counterweight: 4,900kg (10,810 lbs)

The lift capacity table is based on the standard machine equipped with the 2.94 m (9'8") arm and the 550 mm (21.7") shoe.



(m)		(kg) 3.0	4.5	6.0	7.5	MAX
LD= 2.40	Z2	-	7300	4860	3510	-
	Z1	8900	6430	4380	3310	3110(7.98m)
	Z3	10690	6360	4430	-	-
LD= 2.94	Z2	13340	7430	4890	3500	-
	Z1	5080	6340	4300	3220	2820(8.46m)
	Z3	9070	6370	4310	-	-

LN20T01010P1