

KOMATSU

Super Long Front Specification

PC130-7
PC210LC/NLC-8
PC240LC/NLC-8
PC350LC-8

PC
SLF

HYDRAULIC EXCAVATOR



PC130/PC210/PC240/PC350

ecot3

WALK-AROUND

The Komatsu range of Super Long Front excavators are designed and expressly built for European markets, delivering outstanding productivity, reliability and operator comforts in a robust, environmentally friendly package. Komatsu's exclusive, on-board, HydraMind system assists in all operations, providing enhanced machine performance that's always perfectly matched to the task.

Special Super Long Front features

- Optimised working range, with useful digging performance
- Special counterweight for long reach working
- Suitable for digging work as well as slope finishing
- Maximum material density 1,8 ton/m³



Excellent reliability and durability

- Heavy-duty work equipment
- Reliable major components designed and built by Komatsu
- Exceptionally reliable electronic devices

Auxiliary hydraulic circuit

Most Komatsu Super Long Front machines are available with auxiliary hydraulic circuit.

- Adjustable presets for rapid attachment changeover
- Additional filters for attachment and machine protection
- Hydraulic relief pressure control
- Automatic changeover valves

NET HORSEPOWER
66 kW (88 HP) - 184 kW (247 HP)

OPERATING WEIGHT
13.280 kg - 41.780 kg

MAX. HORIZONTAL REACH
12.300 mm - 22.010 mm

Total operator comfort

Low-noise cab

Operator ear noise is as low as an average passenger car.

(PC210/PC240/PC350 only)

Large TFT monitor

Improved operator interface through Komatsu-developed information technology.

(TFT: Thin Film Transistor)

(PC210/PC240/PC350 only)



Complete safety

New, safe SpaceCab™

Tubular design developed specifically for hydraulic excavators to protect the operator in the event of a roll over accident.

(PC210/PC240/PC350 only)



Revolutionary machine management

Track and monitor your machine anytime, anywhere for total peace of mind.



Protecting the environment

The Komatsu ECOT3 engines meet EU Stage IIIA and EPA Tier III emission regulations with reduced NOx emissions.

SPECIFICATIONS



OPERATING WEIGHT (APPR.)

Operating weight, including Super Long Front work equipment, bucket, operator, lubricant, coolant, full fuel tank and the standard equipment.

Operating weight & ground pressure						
Shoes	500 mm		600 mm		700 mm	
	Operating weight	Ground pressure	Operating weight	Ground pressure	Operating weight	Ground pressure
PC130-7	13.280 kg	0,41 kg/cm ²	13.456 kg	0,36 kg/cm ²	13.636 kg	0,32 kg/cm ²
PC210LC-8			24.170 kg	0,51 kg/cm ²	24.530 kg	0,44 kg/cm ²
PC210NLC-8	24.010	0,60 kg/cm ²	24.370 kg	0,52 kg/cm ²	24.730 kg	0,44 kg/cm ²
PC240LC-8			27.610 kg	0,58 kg/cm ²	27.910 kg	0,50 kg/cm ²
PC240NLC-8			26.910 kg	0,61 kg/cm ²	27.210 kg	0,53 kg/cm ²
PC350LC-8					41.210 kg	0,67 kg/cm ²

Operating weight & ground pressure						
Shoes	800 mm		850 mm		900 mm	
	Operating weight	Ground pressure	Operating weight	Ground pressure	Operating weight	Ground pressure
PC130-7						
PC210LC-8	24.890 kg	0,39 kg/cm ²			25.250 kg	0,36 kg/cm ²
PC210NLC-8						
PC240LC-8	28.210 kg	0,45 kg/cm ²			28.510 kg	0,40 kg/cm ²
PC240NLC-8						
PC350LC-8	41.590 kg	0,59 kg/cm ²	41.780 kg	0,59 kg/cm ²		

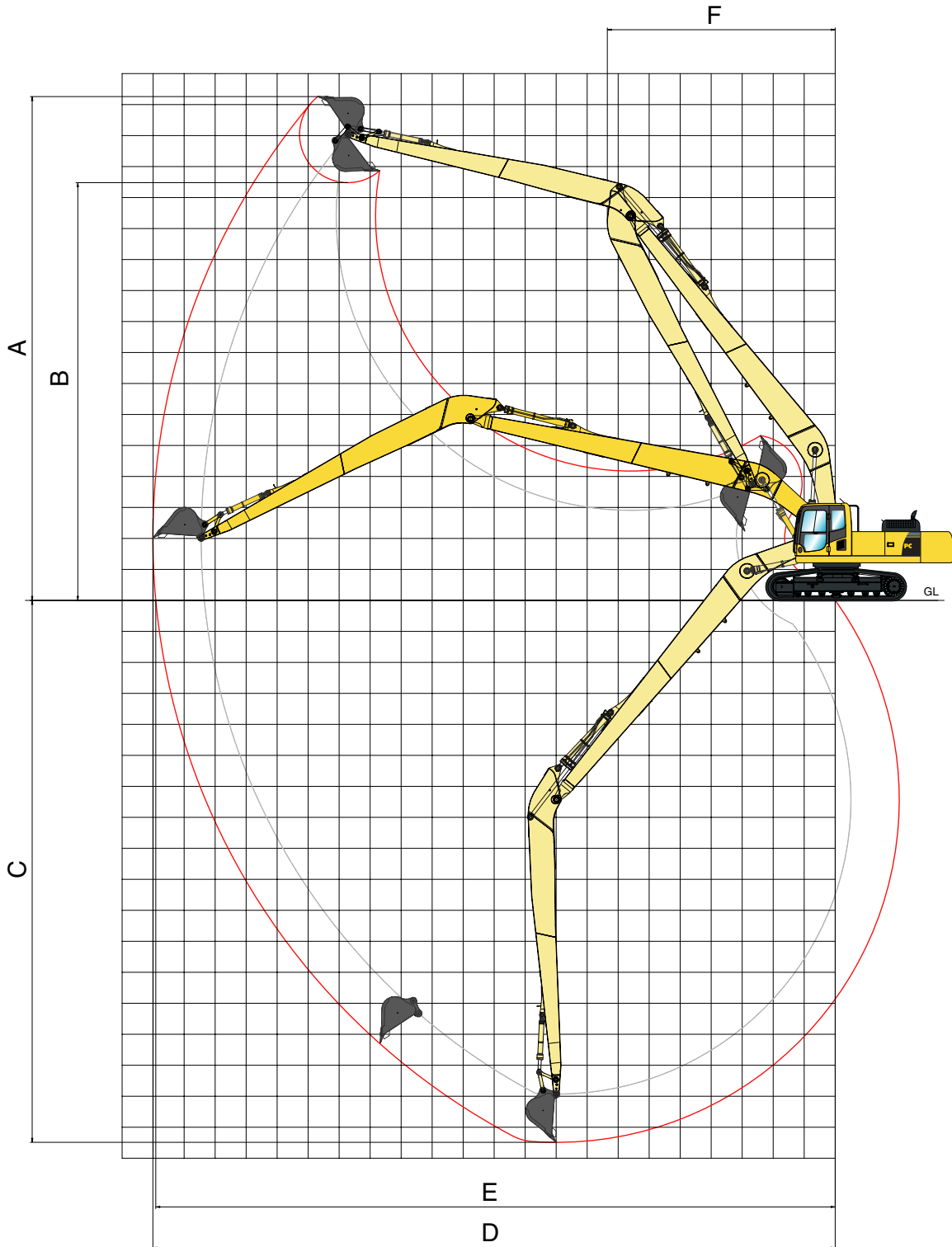


BUCKETS & ATTACHMENTS

	Max. forward reach	Max. bucket weight	Max. bucket capacity*	Max. bucket width	Bucket linkage
PC130-7	12,3 m	200 kg	0,3 m ³	645 mm	PC78
PC210LC/NLC-8	15,2 m	420 kg	0,47 m ³	2.100 mm	PC130
PC240LC/NLC-8	18,2 m	420 kg	0,47 m ³	2.100 mm	PC130
PC350LC-8	22,0 m	420 kg	0,47 m ³	2.100 mm	PC240

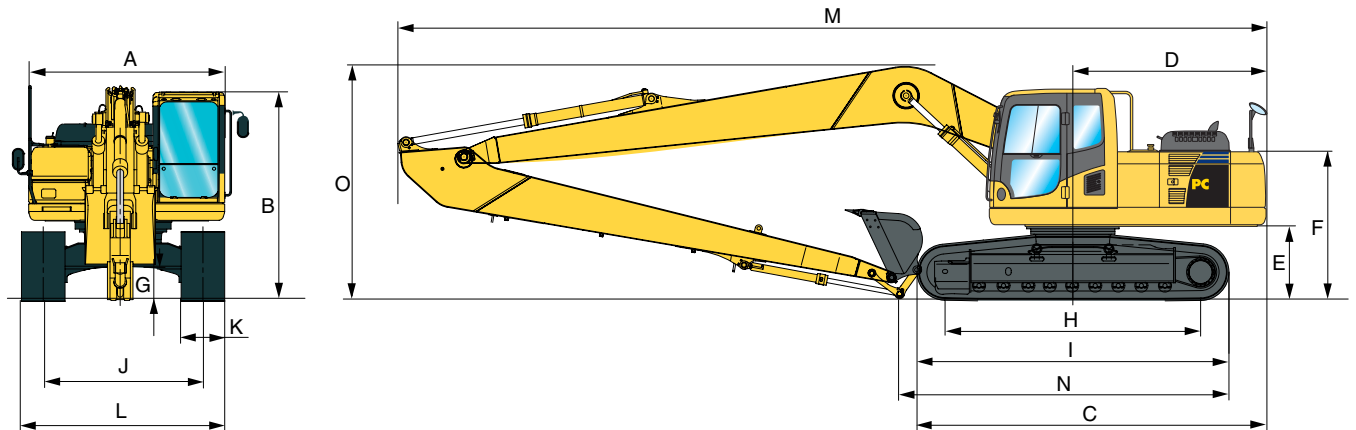
* Material density 1,8 ton/m³ SAE

WORKING RANGE



SUPER LONG FRONT		PC130-7	PC210LC/NLC-8	PC240LC/NLC-8	PC350LC-8
A	Max. digging height	11.050 mm	13.880 mm	14.970 mm	16.260 mm
B	Max. dumping height	9.050 mm	11.680 mm	12.860 mm	13.480 mm
C	Max. digging depth	9.410 mm	11.510 mm	14.580 mm	17.485 mm
D	Max. digging reach	12.300 mm	15.250 mm	18.300 mm	22.010 mm
E	Max. digging reach at ground level	12.200 mm	15.190 mm	18.250 mm	21.915 mm
F	Min. swing radius	3.990 mm	3.990 mm	5.220 mm	7.350 mm

TRANSPORT DIMENSIONS



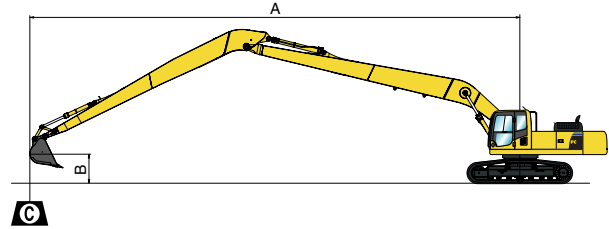
[mm]

TRANSPORT DIMENSIONS		PC130-7	PC210LC/NLC-8	PC240LC/NLC-8	PC350LC-8
A	Overall width of upper structure	2.490	2.500	2.710	2.995
B	Overall height of cab	2.810	3.035	3.055	3.100
C	Overall length of basic machine	3.925	4.995	5.225 / 5.030	6.060
D	Tail length	2.110	2.770	2.905	3.775
	Tail swing radius	2.190	2.800	2.940	3.825
E	Clearance under counterweight	855	1.100	1.100	1.186
F	Machine tail height	1.885	2.110	2.405	2.580
G	Ground clearance	400	440	440	498
H	Tumbler centre distance	2.880	3.655	3.845 / 3.655	4.030
I	Track length	3.610	4.450	4.640 / 4.450	4.955
J	Track gauge	1.990	2.380 / 2.040	2.580 / 2.380	2.590
K	Track shoe width	500, 600, 700	600, 700, 800, 900	600, 700, 800, 900	700, 800, 850
	Track shoe width (NLC undercarriage)	-	500, 600, 700	600, 700, 800	-
L	Overall track width with:				
	500 mm shoe	2.490	- / 2.540	-	-
	600 mm shoe	2.590	2.980 / 2.640	3.180 / 2.980	-
	700 mm shoe	2.690	3.080 / 2.740	3.280 / 3.080	3.290
	750 mm shoe	-	-	-	-
	800 mm shoe	-	3.180 / -	3.380 / 3.180	3.390
	850 mm shoe	-	-	-	3.440
	900 mm shoe	-	3.280 / -	3.480 / -	-
M	Transport length	9.920	12.435	14.400	17.220
N	Length on ground (transport)	-	4.725	4.520	14.475
O	Overall height (top of boom)	2.715	3.390	3.230	3.405

LIFTING CAPACITY

SUPER LONG FRONT (Standard specification)

- A - Reach from swing centre
- B - Bucket hook height
- F - Rating over front
- S - Rating over side
- Max - Rating at maximum reach



[kg]

	B \ A	Max		20 m		16 m		12 m		8 m		4 m	
		F	S	F	S	F	S	F	S	F	S	F	S
PC350LC-8 800 mm shoe 450 kg bucket	12 m	800 *	800 *										
	8 m	800 *	800 *			1.750 *	1.750 *						
	4 m	900 *	900 *			2.050 *	2.050 *	2.700 *	2.700 *				
	0 m	1.050 *	1.050	1.750 *	1.200	2.300 *	2.050	3.350 *	3.350 *	5.650 *	5.650 *	3.000 *	3.000 *
	-4 m	1.400 *	1.100			2.500 *	1.750	3.750 *	2.900	6.350 *	5.200	4.050 *	4.050 *
	-8 m	1.850 *	1.300			2.450 *	1.650	3.750 *	2.700	6.150 *	5.000	5.150 *	5.150 *
	-12 m	1.950 *	1.900							5.050 *	5.050 *	8.950 *	8.950 *

	B \ A	Max		15 m		12 m		10 m		8 m		6 m	
		F	S	F	S	F	S	F	S	F	S	F	S
PC240LC-8 700 mm shoe 367 kg bucket	10 m	850 *	850 *	1.150 *	1.150 *								
	6 m	850 *	850 *	1.900 *	1.600	2.050 *	2.050 *						
	0 m	1.100 *	900	2.200	1.300	3.100 *	2.000	3.700 *	2.700	4.750 *	3.750	6.800 *	5.600
	-6 m	1.800 *	1.050	2.000	1.100	2.800	1.600	3.650	2.150	5.050	3.000	7.850	4.550
	-13 m	3.900 *	2.850							4.600 *	3.450	6.150 *	5.300
PC240NLC-8 600 mm shoe 367 kg bucket	10 m	850 *	850 *	1.150 *	1.150 *								
	6 m	850 *	850 *	1.900 *	1.600	2.050 *	2.050 *						
	0 m	1.100 *	700	2.200	1.300	3.100 *	2.000	3.700 *	2.700	4.750 *	3.750	6.800 *	5.600
	-6 m	1.600	800	2.000	1.100	2.800	1.600	3.650	2.150	5.050	3.000	7.850	4.550
	-13 m	3.900 *	2.450							4.600 *	3.450	6.150 *	5.300
PC210LC-8 700 mm shoe 367 kg bucket	10 m	950 *	950 *					1.750 *	1.750 *				
	6 m	950 *	950 *			2.050 *	1.750	2.050 *	2.050 *				
	0 m	1.200 *	950			2.400	1.400	3.200	1.950	4.200 *	2.800	5.900 *	4.200
	-6 m	2.250	1.250			2.250	1.250	2.950	1.700	4.100	2.350	6.400	3.650
	-9 m	3.400	2.000							4.250	2.550	6.050	3.900
PC210NLC-8 500 mm shoe 367 kg bucket	10 m	950 *	950 *					1.750 *	1.750 *				
	6 m	950 *	900			2.050 *	1.400	2.050 *	2.050 *				
	0 m	1.200 *	650			2.250	1.050	3.100	1.500	4.200 *	2.200	5.900 *	3.350
	-6 m	2.150	950			2.150	900	2.800	1.250	3.900	1.800	6.100	2.800
	-10 m	3.750 *	2.050							3.800 *	2.100	5.350 *	3.200
PC130-7 600 mm shoe 300 kg bucket	9 m	780 *	780 *							1.200 *	1.200 *		
	3 m	760 *	520					1.140	740	1.740	1.200	2.100 *	2.000
	0 m	780	460					1.020	620	1.480	960	2.320	1.520
	-3 m	840	500					940	560	1.340	820	2.060	1.280
	-8 m	1.920	1.240									2.220	1.420

Lifting capacity table is published for guidance only, the machine is not intended for use as a crane.
 Lifting capacities are stated in kg, on the tip of the arm, for machine on firm, level supporting surface.
 The weight of any attachment used should be deducted from the values shown, to calculate payload.
 Indicated loads are based on ISO 10567 standard and do not exceed 75% of tipping or 87% of hydraulic capacity (indicated by *).
 Lifting capacity of the machine is limited by machine stability, hydraulic capacity and maximum permissible load of the attachment.

SUPER LONG FRONT SPECIFICATION

STANDARD EQUIPMENT

- Komatsu turbocharged common rail direct injection diesel engine, EU Stage IIIA compliant
- Double element type air cleaner with dust indicator and auto dust evacuator
- Suction type cooling fan with radiator fly screen
- Automatic fuel line de-aeration
- Automatic engine warm-up system
- Engine overheat prevention system
- Fuel control dial
- Auto-deceleration function
- Engine key stop
- Electronic load sensing hydraulic system
- Pump and engine mutual control (PEMC) system
- Multi-function colour monitor with equipment management monitoring system (EMMS) (PC210 models and above)
- 5-working mode selection system; Power mode, economy mode, breaker mode, attachment mode and lifting mode (4 working mode for PC130)
- PowerMax function
- One additional 2-way proportional service valve (full flow)
- Hydrostatic, 3-speed travel system with automatic shift and planetary gear type final drives, and hydraulic travel and parking brakes
- Adjustable PPC wrist control levers for arm, boom, bucket and swing
- PPC control levers and pedals for steering and travel
- KOMTRAX™ Komatsu Tracking System
- Safety SpaceCab™ (reinforced type for PC210 models and above); Highly pressurised and tightly sealed hyper viscous mounted cab with tinted safety glass windows, large roof window with sun shade, pull-up type front window with locking device, removable lower window, front window wiper with intermittent feature, sun roller blind, cigarette lighter, ashtray, luggage shelf, floor mat
- Adjustable suspension seat with retractable arm rests. Heated and air suspended on PC210 models and above
- Automatic climate control system
- 12 Volt power supply
- Beverage holder and magazine rack
- Hot and cool box
- Radio
- Overload warning device
- Electric horn
- Audible travel alarm
- Track roller guards
- Track frame under-guards
- Lockable fuel cap and covers
- Remote greasing for swing circle and pins
- Fuel supply pump
- Boom safety valves
- Large handrails, rear-view mirrors and counterweight mirror
- Toolkit and spare parts for first service
- Lights; 2 revolving frame lights and 1 boom light
- Standard colour scheme and decals
- Parts book and operator manual
- Special counterweight for long reach working
- Super Long Front boom and arm, with bucket cylinder and arm cylinder and including piping and hoses for bucket cylinder and arm cylinder

OPTIONAL EQUIPMENT

- LC or NLC undercarriages (PC210 and PC240 only)
- Triple grouser track-shoes (width between 500 and 900 mm depending on model)
- Full length track roller guards
- OPG Level II front guard (FOPS)
- OPG Level II top guard (FOPS)
- Service points (PC210 models and above)
- Additional working lamps, including cab roof lights, r.h. boom lamp, counterweight rear lamp and beacon
- Bio oil
- Lower wiper
- Rain visor (not with OPG)
- Rear view camera system (PC210 models and above)
- Customised paint
- Additional piping for tilting bucket (optional for PC210 and PC240, standard for PC350)

Call the experts



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UESS13300 08/2007

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