Operation & Maintenance Manual

VEAM410104

PW140-7
PW160-7
PW180-7
PW200-7
PW220-7

WHEELED EXCAVATOR

SERIAL NUMBERS

PW140-7	H55051 and up
PW160-7	H55051 and up
PW180-7	H55051 and up
PW200-7	H55051 and up
PW220-7	H65051 and up

WARNING

Unsafe use of this machine may cause serious injury or death. Operators and maintenance personnel must read this manual before operating or maintaining this machine. This manual should be kept near the machine for reference and periodically reviewed by all personnel who will come into contact with it.

NOTICE

Komatsu has Operation & Maintenance Manuals written in some other languages. If a foreign language manual is necessary, contact your local distributor for availability.

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2.5.4 Lifting capacity chart PW200-7

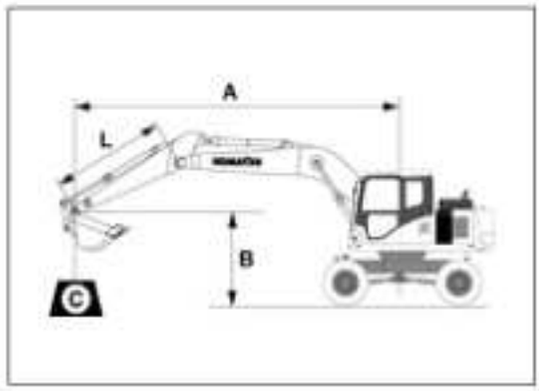
One piece boom – 2.5 metre undercarriage

A. Reach from swing centre
B. Bucket hook height
C. Lifting capacities, including bucket 760 kg), linkage (130 kg) and bucket cylinder (182 kg)
L. Arm length

Lifting capacity (Rating over front)

Lifting capacity (Rating over side)

Rating at maximum reach





Without stabilizer

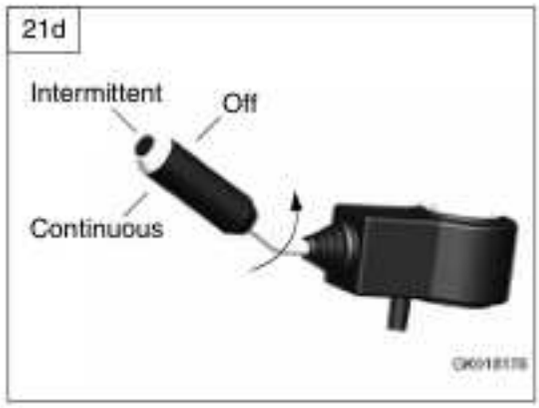
Arm length (L)	A / B			9.0m		7.5m		6.0m		4.5m		3.0m		1.5m	
1.4m	7.5m	kg	*5150	3300											
	6.0m	kg	3550	2150					4600	2900					
	4.5m	kg	2900	1700			2900	1700	4450	2750	7300	4500			
	3.0m	kg	2550	1450			2850	1650	4200	2500	6650	3900			
	1.5m	kg	2450	1350			2750	1550	3950	2300	6100	3450			
	0.0m	kg	2550	1400			2700	1500	3700	2050	5900	3300			
	-1.5m	kg	2850	1600					3700	2050	5950	3300	*8450	6400	
	-3.0m	kg	*3500	2100					3900	2350	*5700	3450			
2.9m	7.5m	kg	*4250	2700					4650	2950					
	6.0m	kg	3150	1900					4700	3000					
	4.5m	kg	2600	1500			3000	1800	4550	2850	7550	4700			
	3.0m	kg	2300	1300			2900	1700	4300	2600	6800	4050			
	1.5m	kg	2200	1200			2800	1600	4050	2350	6300	3650			
	0.0m	kg	2250	1250			2700	1500	3750	2100	6000	3350			
	-1.5m	kg	2500	1400			2650	1450	3650	2050	5950	3300	*8750	6300	
	-3.0m	kg	3000	1750					3800	2150	6050	3400	*8200	6050	
2.9m	7.5m	kg	*2650	2250					*4450	3050					
	6.0m	kg	*2550	1600			3100	1850	4800	3050					
	4.5m	kg	2300	1300			3050	1850	4600	2900					
	3.0m	kg	2050	1100			2900	1700	4350	2650	7100	4300	14600	7950	
	1.5m	kg	1950	1050			2800	1600	4050	2400	6450	3750			
	0.0m	kg	2000	1050			2650	1500	3800	2150	6050	3400	*5950	*5950	
	-1.5m	kg	2200	1150			2600	1400	3600	1950	5900	3250	*9200	6200	
	-3.0m	kg	2600	1450			2650	1450	3650	2050	5950	3300	*10200	6400	
3.5m	7.5m	kg	*2650	1650			*2700	1900							
	6.0m	kg	2400	1350			3150	1900							
	4.5m	kg	2000	1100	2050	1150	3100	1850	4700	2950					
	3.0m	kg	1800	950	2000	1100	2950	1750	4400	2700	7300	4450			
	1.5m	kg	1750	900	1950	1050	2800	1600	4100	2400	6600	3850			
	0.0m	kg	1750	900	1900	950	2650	1450	3850	2150	6100	3400	*6500	6200	
	-1.5m	kg	1900	950			2550	1350	3550	1950	5850	3200	*8750	6100	*5200 *5200
	-3.0m	kg	2250	1150			2550	1350	3550	1900	5800	3200	*12150	6200	*8200 *8200

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Main windscreen wiper switch

This rotary switch on column stalk controls main windscreen wiper.

- Rotate switch 30° away.
  From operator for intermittent wipe
- Rotate switch a further 30° away
  From operator for continuous wipe.



Driving light switch

This switch has three functions:

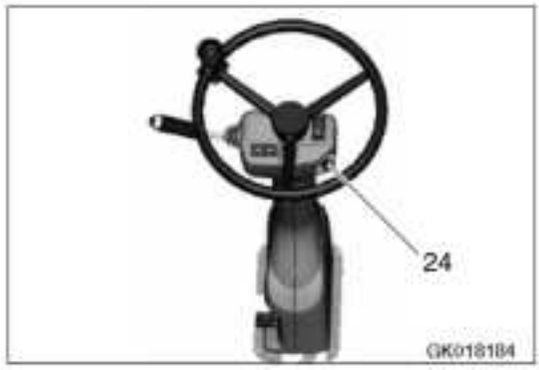
- OFF
- Sidelights
- Dipped Headlights

REMARK

The caution buzzer sounds when the staring switch is turned from ON to OFF while the driving light switch is in the ON position.

REMARK

Engine compartment light will only illuminate when sidelights are on.



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The following lubrication points are lubricated:

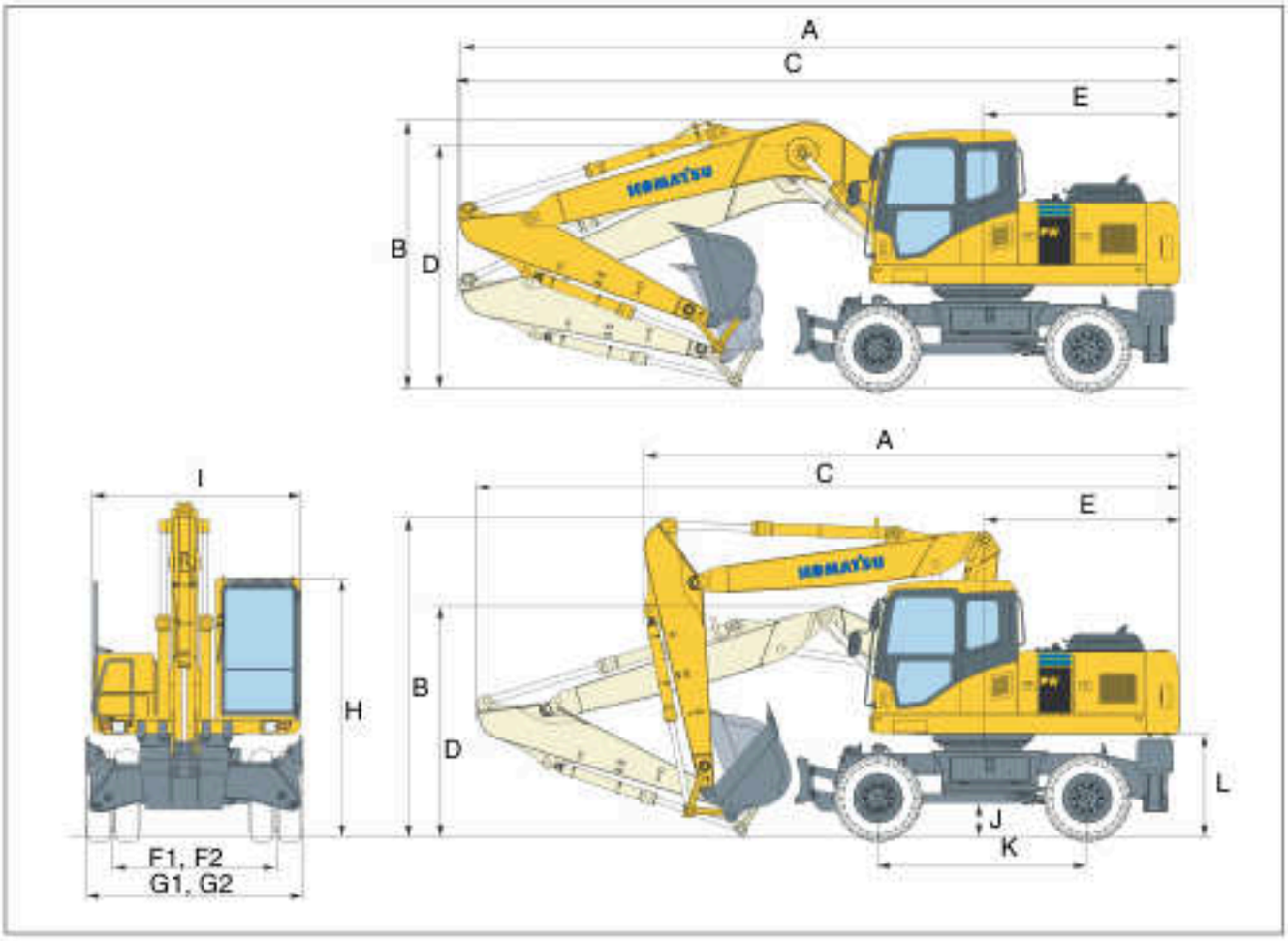
× = Lubricated by Version 1, 2, or 3

O = Lubricated manual

Lubrication points	Version 1	Version 2	Version 3
1. Arm bucket coupling pin (1 point).	×	×	O
2. Arm link coupling pin (1 point).	×	×	O
3. Boom arm coupling pin (1point).	×	×	O
4. Bucket cylinder foot pin (1 point).	×	×	O
5. Arm cylinder rod end (1 point).	×	×	O
6. Arm cylinder foot pin (1 point).	×	×	X
7. Boom cylinder rod end (2 points).	×	×	X
8. 1st to 2nd boom pin (3 point).	×	×	X
9. Boom foot pin (2 points).	×	×	X
10. Boom adjust cylinder foot pin (1 point).	×	×	O
11. Boom cylinder foot pin (2 points).	×	×	O
12. Lubricate swing circle (2 points).	×	×	O
13. Link coupling pin (1 or 2 points).	×	O	O
14. Bucket cylinder rod end (1 point).	×	O	O
15. Bucket-Link coupling pin (2 points).	×	O	O
16. Outrigger cylinder foot pin (2 or 4 points).	O	O	O
17. Outrigger cylinder rod end (2 or 4 points).	O	O	O
18. Outrigger leg pivot (2 or 4 points).	O	O	O
19. Outrigger foot pivot (2 or 4 points).	O	O	O
20. Propshaft (3 points).	O	O	O
21. Not used			
22. Axle pivot (2 point) (with outriggers attached)	O	O	O
23. Axle pivot (2 point) (without outriggers)	O	O	O
24. Hub pivot (4 points)	O	O	O
25. Steer links (4 points)	O	O	O
26. Axle pads (if noise heard grease as necessary) (2 points)	O	O	O
27. Cylinder mount (2 points)	O	O	O
28. Top link blade pivot pin (2 points)	O	O	O
29. Lower link blade pivot (2 points)	O	O	O
30. Dozer blade cylinder rod end (2 points)	O	O	O
31. Lower link pivot pin (2 points)	O	O	O
32. Top link pivot pin (2 points)	O	O	O
33. Cylinder guard pin (remove and apply coating of grease)	O	O	O

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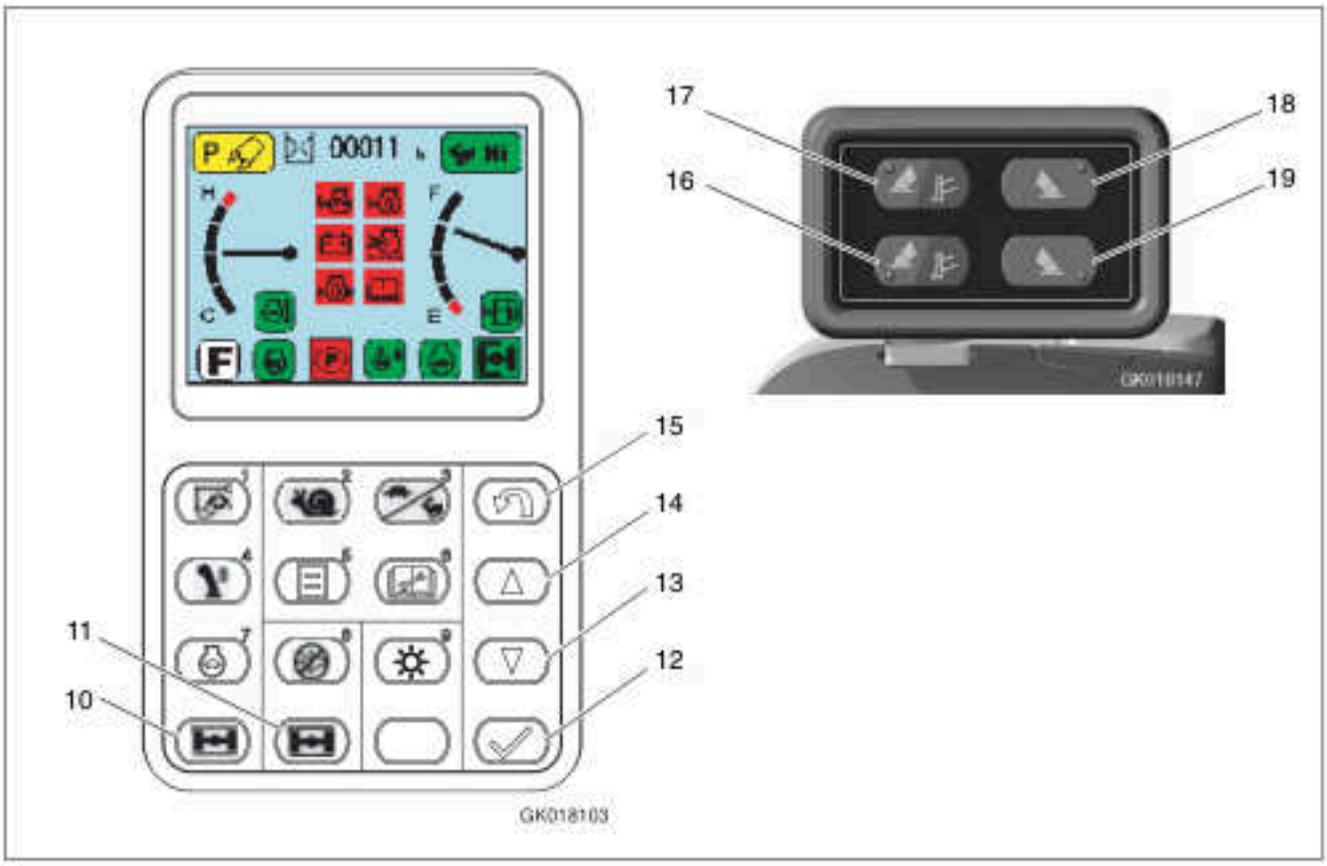
5.1.1 Dimensions



	Description	PW140-7	PW160-7	PW180-7	PW200-7 PW220-7
A	Overall length (Driving position)	See next page			
B	Overall height (Driving position)				
C	Overall length (Transport position)				
D	Overall height (Transport position)				
E	Radius of upper structure	2,050	2,180	2,500	2,700
F1	Front and rear track (2.5m axle)	1,914	1,915	1,914	1,914
F2	Front and rear track (2.75m axle)	-	-	2,124	2,124
G1	Overall width (2.5m axle)	2,550	2,540	2,550	2,550
G2	Overall width (2.75m axle)	-	-	2,750	2,750
H	Overall height of cabin	3,165	3,200	3,209	3,234 (3,248)
I	Overall width of upper structure	2,490	2,490	2,490	2,516
J	Ground clearance	341	350	332	330 (345)
K	Wheel base	2,500	2,600	2,600	2,750
L	Height bottom edge counterweight	1,242	1,265	1,300	1,327(1,341)

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Monitor switches



1.	Working mode selector switch
2.	Creep speed selector switch
3.	High/low speed selector switch
4.	Control lever lock switch
5.	Menu select switch
6.	Service menu switch
7.	Auto-deceleration switch
8.	Buzzer cancel switch
9.	Contrast adjustment switch
10.	Automatic suspension lock switch
11.	Permanent suspension lock switch
12.	Input confirmation switch
13.	Scroll down
14.	Scroll up
15.	Undo switch
16.	Rear left outrigger/blade switch
17.	Front left outrigger/blade switch
18.	Front right outrigger switch
19.	Rear right outrigger switch

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