

WA180-3

Machine model			WA180-3
Serial No.			50001 and up
Weight	Operating weight	(kg)	8,700
	Distribution (front)	(kg)	3,540
	Distribution (rear)	(kg)	5,160
Performance	Bucket capacity (piled) (with BOC)	(m³)	1.7
	Rated load	(kg)	2,720
	Travel speed	FORWARD 1st (km/h)	7.2
		FORWARD 2nd (km/h)	12.0
		FORWARD 3rd (km/h)	22.0
		FORWARD 4th (km/h)	34.5
		REVERSE 1st (km/h)	7.7
		REVERSE 2nd (km/h)	12.6
		REVERSE 3rd (km/h)	22.9
		REVERSE 4th (km/h)	35.0
		Max. rimpull (Forward) (N (kg))	81,350(8,300)
		(Reverse) (N (kg))	76,450(7,800)
		Gradeability (deg)	25
Min. turning radius	Center of outside wheel (mm)	4,650	
	Outside portion of chassis (mm)	5,385	
Dimensions	Overall length (with BOC)	(mm)	6,250
	Overall width (chassis)	(mm)	2,320
	Bucket width	(mm)	2,440
	Overall height (top of cab)	(mm)	3,100
	(Bucket raised)	(mm)	4,700
	Wheelbase	(mm)	2,700
	Tread	(mm)	1,820
	Min. ground clearance	(mm)	430
	Height of bucket hinge pin	(mm)	3,545
	Dumping clearance (tip of bucket edge)	(mm)	2,780
	(tip of BOC)	(mm)	2,720
	Dumping reach (tip of bucket edge)	(mm)	945
(tip of BOC)	(mm)	970	

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Dimensions	Bucket dump angle	(deg)	46
	Bucket tilt angle (SAE carrying position)	(deg)	46
	Digging depth (10° dump)(tip of bucket edge)	(mm)	245
	(tip of BOC)	(mm)	285
Engine	Model	Komatsu S6D95L	
	Type	4-cycle, water-cooled, in-line, 6-cylinder, direct injection, with turbocharger	
	No. of cylinders – bore x stroke	(mm)	6 – 95 x 115
	Piston displacement	(cc)	4,890
	Flywheel horsepower	(kW (HP)/rpm)	82 (110)/2,400
	Maximum torque	(Nm (kgm)/rpm)	417 (42.5)/1,600
	Fuel consumption ratio	(g/kWh (g/HPh))	218 (162)
	High idling speed	(rpm)	2,600
	Low idling speed	(rpm)	750
	Starting motor	24 V 5.5 kW	
Power train	Alternator	24 V 35 A	
	Battery	12 V 110 Ah x 2	
	Torque converter	3-element, 1-stage, single-phase (Komatsu TCA30-6A)	
	Transmission	Spur gear, constant-mesh multiple-disc, hydraulically actuated, modulation type	
	Reduction gear	Spiral bevel gear	
Axle, wheel	Differential	Straight bevel gear, torque proportioning	
	Final drive	Planetary gear, single reduction	
	Drive type	Front/rear-wheel drive	
	Front axle	Fixed-frame, semi-floating	
	Rear axle	Center pin support type, semi-floating	
	Tire	18.4-24-10PR(L-2)	
	Wheel rim	W16L x 24	
	Inflation pressure Front tire	(KPa (kg/cm ²))	216 (2.2)
	Rear tire	(KPa (kg/cm ²))	216 (2.2)

