

Product guide



Southern Africa

We build machines
to answer the needs
of society.



Table of contents

Backhoe loader	12
Dozers	13
Mechanical trucks	16
Electric trucks	17
Excavators	18
Electric rope shovels	23
Wheel loaders	24
Motor graders	27
Skid steer loader	28
UHR bolter	29
UHR drifter	30
UHR face drill	31
UHR mining trucks	32
UHR haulage	33
UHR shaft jumbo drill	34
UHR shaft mucker	35
Blasthole drills	36
Crushing equipment	37
Forestry	40
Order your parts online	41

Please note: All information and specifications are obtained from specification catalogues. Every effort has been made to obtain the current information, to record it accurately and to make precise conversion of data, where necessary. However, no responsibility can be accepted for any errors or omissions.

Medium size wheel loader, excavator, shovel

	HM300-2R  Payload: 27.3t Capacity: 16.6m ³ Max. GVW: 51.42t	HM400-3R  Payload: 40t Capacity: 24m ³ Max. GVW: 74t
PC400-8  41.7t 1.3-2.2m ³ (SAE heaped)	9 passes	12 passes
PC450LC-8  44.3t 1.3-2.8m ³ (SAE heaped)	8 passes	11 passes
WA430-6  18.3t 3.1-4.6m ³ (SAE heaped)	5 passes	7 passes
PC500LC-10R  49.4t 3.5-4.58m ³ (SAE heaped)	5 passes	7 passes
PC600-8R1SE  59.2t 2.3-3.5m ³ (SAE heaped)	5 passes	7 passes
WA480-6A  24.9t 3.8-6.1m ³ (SAE heaped)	4 passes	6 passes
WA500-6R  33.4t 4.3-5.6m ³ (SAE heaped)	3 passes	4 passes
PC850-8R1  78.6t 4-4.5m ³ (SAE heaped)	4 passes	6 passes
WA600-6R  52.7t 6.4-7m ³ (SAE heaped)	3 passes	4 passes

& truck matching

HD325-7R  Payload: 36.5t Capacity: 24m³ Max. GVW: 69.28t	HD465-7R  Payload: 55t Capacity: 34.2m³ Max. GVW: 99.68t
7 passes	
4 passes	
5 passes	
3 passes	5 passes

The heaped capacity is rated at 2.1 SAE.

Note: Information is for guideline purposes.
Contact Komatsu for equipment evaluation and specifications.

Note: The above is based on SG of 1.8t/m³ and a bucket fill factor of 95%.

Number of passes are indicators only and are site specific.
Confirmation can be provided by Komatsu South Africa.

Large size wheel loader, excavator, shovel &

	 HD785-7 Payload: 92t Capacity: 60m ³ Max. GVW: 163.8t	 HD1500-8EO Payload: 142t Capacity: 78m ³ Max. GVW: 249.6t	 730E-8 Payload: 181t Capacity: 111m ³ Max. GVW: 328.4t
PC1250-11R  116.4t 5-6.7m ³ (SAE heaped)	9 passes		
WA900-8R  117.9t 11.5-13m ³ (SAE heaped)	4 passes		
WA1200-6  216t 16.5-35m ³ (SAE heaped)	3 passes	4 passes	5 passes
PC2000-11R  210.4t 12-13.7m ³ (SAE 2:1 heaped)	4 passes	7 passes	
PC3000-6  250t 15m ³ (SAE 2:1 heaped)	3 passes	5 passes	7 passes
PC4000-11  398t 22m ³ (SAE 2:1 heaped)	3 passes	4 passes	5 passes
PC5500-6  533t 29m ³ (SAE 2:1 heaped)		3 passes	4 passes
PC7000-11  676t 36m ³ (SAE 2:1 heaped)			3 passes
PC8000-6  752t 42m ³ (SAE 2:1 heaped)			

truck matching

830E-5	930E-5	980E-5
		
Payload: 227t Capacity: 158m ³ Max. GVW: 401.1t	Payload: 292t Capacity: 211m ³ Max. GVW: 502t	Payload: 396t Capacity: 250m ³ Max. GVW: 625.3t
6 passes		
5 passes	6 passes	
4 passes	5 passes	6 passes
3 passes	4 passes	5 passes

Note: The above is based on SG of 1.8t/m³ and a bucket fill factor of 95%.
The heaped capacity is related at 2:1 SAE.

Number of passes are indicators only and are site specific.
Confirmation can be provided by Komatsu South Africa.

Electric rope shovel & truck matching

	HD785-7  Payload: 92t Capacity: 60m ³ Max. GVW: 163.8t	HD1500-8EO  Payload: 142t Capacity: 78m ³ Max. GVW: 249.6t
P&H 2300XPCAC  45t 25.5m ³		3 passes
P&H 2800XPCAC  59t 33.6m ³		
P&H 4100XPCAC  109t 61.2m ³		
P&H 4800XPCAC  123t 70.3m ³		

Above is based on 1.78t/m³. Density and bucket fill factor of 100%.

Number of passes are indicators only and are site specific.

Confirmation can be provided by Komatsu South Africa.

730E-8  Payload: 181t Capacity: 111m ³ Max. GVW: 328.4t	930E-5  Payload: 292t Capacity: 211m ³ Max. GVW: 502t	980E-5  Payload: 396t Capacity: 250m ³ Max. GVW: 625.3t
4 passes		
3 passes	5 passes	
	3 passes	4 passes
		3 passes

Wheel loader (large) & truck matching

	HD 785-7  Payload: 92t Capacity: 60m ³ Max. GVW: 163.8t	HD1500-8EO  Payload: 142t Capacity: 78m ³ Max. GVW: 249.6t	730E-8  Payload: 181t Capacity: 111m ³ Max. GVW: 328.4t
WE1350-3 (Std lift)  41t 22.94m ³		3 passes	5 passes
WE1850-3 (Std lift)  59t 32.88m ³			3 passes
WE2350-2 (Std lift)  72t 40.52m ³			



830E-5 	930E-5 	980E-5 
Payload: 227t Capacity: 158m ³ Max. GVW: 401.1t	Payload: 292t Capacity: 211m ³ Max. GVW: 502t	Payload: 396t Capacity: 250m ³ Max. GVW: 625.3t
6 passes		
4 passes	5 passes	
3 passes	4 passes	

Above is based on 1.78 t/m³. Density and bucket fill factor of 100%.
 Number of passes are indicators only and are site specific.
 Confirmation can be provided by Komatsu South Africa.



Backhoe loader

Model

WB93R-5E0

Engine		
Make	Komatsu	
Model	SAA4D104E-1	
Net power (SAE J1349/ISO 9249)	74@2 200	
Max speed: forward and reverse drive	40	
Drive	2WD/4WD selectable	
Front loader bucket: Capacity	1.03	
Width (std. bucket)	2 320	
Dump height	2 778	
Breakout force (std. bucket) (ISO 8313)	6 500/63.83	
Lift capacity @ max. height	3 900	
Lift capacity @ ground level (ISO 8313)	5 300	
Backhoe bucket		
Capacity (std. bucket) (ISO 7546)	0.22	
Width (std. bucket)	600	
Bucket width range	300-900	
Bucket breakout force (ISO 6015)	6 100/59.8	
Max. digging depth (with telescopic arm)	4 977/16 021	
Reach at ground level (from swing centre)	5 754/6 715	
Arm breakout force (ISO 6015)	4 000/39.2	
Dimensions		
Transp. height - Std arm (Tele arm)	3 710/3 750	
Overall width (with std bucket)	2 320	
Length (transport)	5 817	
Operating weight		
Tyres		
Front	12.5/8 R18 10PR	
Rear	16.9x28 12PR	



Dozers (small to medium)

Model	D39EX-22	D51EX-22	D61EX-23M0	D65EX-16	D65PX-16	D85EX-15R	D85PX-15R
Engine							
Make	Komatsu	Komatsu	Komatsu	Komatsu	Komatsu	Komatsu	Komatsu
Model	SAA4D107E-1	SAA6D170E-3	SAA6D107E-1	SAA6D114E-1	SAA6D114E-1	SA6D125E-3	SA6D125E-3
Engine net power (SAE J1349/DIN 6270)@	kW	kW					
	79	97	125	153	153	197	197
	2 200	2 200	2 200	1 950	1 950	1 900	1 900
Blade							
Capacity	2.2	2.7	3.4	5.61	3.7	7.0	5.9
Width	2 710	3 045	3 250	3 460	3 970	3 635	4 365
Height	980	1 110	1 195	1 425	1 100	1 580	1 370
Dimensions							
Height	2 835	3 177	3 180	3 155	3 155	3 324	3 324
Width (blade)	2 710	3 045	3 250	3 460	3 970	3 635	4 365
Length (without ripper)	5 330	5 845	6 755	6 720	5 680	7 285	6 065
Operating weight Including	kg	13 450	19 610	20 850	21 020	28 060	27 550
Attachments	blade	PAT	PAT	SUT	ST	SUT	ST
	ripper	Multi Shank	Multi Shank	Multi Shank	-	Multi Shank	-
	cab	ROPS Cab	Steel Cab	Steel Cab	Steel Cab	Steel Cab	Steel Cab
	ROPS	-	ROPS	ROPS	ROPS	ROPS	ROPS
Grouser shoe width	mm	510	600	510	940	560	910

P.A.T: Power angle tilt S.U.T: Semi-U-tilt U/D.T: U-dozer/Dual tilt Str: Strengthened blade (liner).

Operating weight is approximate.

Dozers (large)

Model	D155AX-6	D275AX-5E0	D375A-6	D375-8R	D475-8R
Engine					
Make	Komatsu	Komatsu	Komatsu	Komatsu	Komatsu
Model	SAG6140E-5	SAA6D140E-5	SAA6D170E-5	SAA12V140E-7	SAA12V140E-7
Engine net power (SAE J1349/DIN 6270) @	264 rpm	335 2 000	455 1 800	455 1 800	664 2 000
Blade					
Capacity	9.4	14.6	18.5	18.5	27.2
Width	4 060	4 440	4 775	4 775	5 430
Height	1 850	2 150	2 265	2 525	2 690
Dimensions					
Height	3 395	3 990	4 285	4 285	4 795
Width (blade)	4 060	4 440	4 775	4 775	5 430
Length (without ripper)	8 225	8 995	10 485	10 560	11 300
	39 700	51 530	71 650	76 520	112 100
Operating weight:					
Including	SIGMA/D.T (Str)	SIGMA/D.T (Str)	SU/DT(Str)	SU/DT(Str)	SU/DT(Str)
Attachments	Giant Single Shank ROPS Cab	Giant Single Shank Steel Cab ROPS	Giant Single Shank Steel Cab ROPS	Giant Single Shank Steel Cab ROPS	Giant Single Shank Steel Cab ROPS
Grouser shoe width	610	610	810	610	710

P.A.T: Power angle tilt S.U.T: Semi-U tilt U/D.T: U-dozer/Dual tilt Str: Strengthened blade (liner).

Wheel dozers - mechanical

Model		WD600-6R	WD900-3A
Engine			
Make		Komatsu	Komatsu
Model		SAA6D170E-5	SAA12V140E-7
Engine net power (SAE J1349/DIN 6270) @	kW	393	637
	rpm	1 800	2 000
Blade			
Type (standard blade)*		Straight	Semi-U
Capacity	m ³	8.0	26.0
Width	mm	5 100	6 470
Height	mm	1 470	2 160
Turning radius (at outside corner of blade)	mm	7 075	9 200
Dimensions			
Height	mm	4 480	5 215
Width (blade)	mm	5 100	6 470
Length (incl. blade)	mm	9 930	12 035
Operating weight Including	kg	48 100	100 000
Attachments			
Cab		ROPS/FOPS Cab	Steel Cab
ROPS		-	ROPS
Tyres: front & rear		35/65 24P (L5)	45/65 50P (L4)

Type*: Standard blade.

Mechanical trucks

Model	HM300-2R	HM400-3R	HD325-7R	HD465-7R	HD785-7	HD1500-8E0
Engine						
Make	Komatsu	Komatsu	Komatsu	Komatsu	Komatsu	Komatsu
Model	SAA6D125E-5	SAA6D140E-5	SAA6D140E-5 Mechanical	SAA6D170E-5 Mechanical	SA12V140E-5 Mechanical	SDA16V159-5 Mechanical
Netpower (ISO4249/SAEJ1349)	kW					
Max travel speed	246 2 000 58.6	334 2 000 56	371 2 000 70	533 2 000 70	879 1 900 65	1 170 1 900 56.5
Bowl						
Struck capacity	12.9	18.2				
Heaped capacity: (2:1 SAE)	16.6	24				
Loading height	2 790	3 164	3 200	3 600	4 295	5 070
Dimensions						
Height (to top of cab)	3 520	3 735	4 150	4 400	5 050	6 180
Width (over tyres)	2 900	3 450				
Width (overall)	2 900	3 450	4 525	5 395	6 885	7 550
Length	10 440	11 105	8 365	9 355	10 290	12 935
Turning radius			7.2	8.5	10.1	11.2
Operating weight						
Gross vehicle weight	51 420	74 000	69 280	99 680	163 780	249 575
Empty weight	24 040	33 925	31 600	43 100	72 000	107 600
Payload	27.3	40	36.5	55	91.7	139
Tyre size	23.5R25	29.5R25	18x33 28PR	24x35 36PR	27xR49	33xR51

Electric trucks

Model	730E-10	830E-5	930E-5	980E-5
Engine Make Model Drive system Power: Flywheel (SAE J1349/ISO9249) @ Max speed Loading height Height Total width Total length Turning radius Empty vehicle weight Gross vehicle weight Payload (max)	Komatsu SSA16V159 Electrical 1 491 1 900 65 6 030 6 810 8 450 13 700 13.6 146 963 338 075 186	Komatsu SDA16V160 Electrical 2495 1800 61 7090 8000 10010 15720 32 255868 401 136 227	Komatsu SSDA16V160 Electrical 2013 1800 65 7060 7 370 8690 15 600 29.7 210 187 501 974 290	Komatsu SSDA18V170 Electrical 2 610 1 800 61 7 090 8 000 10 010 10 110 32 255 868 627 999 363
Tyre size	Std. 37 x R57 Optional x R57	59/80 R63	53/80 R63	59/80 63

*Nominal payload is as defined within Komatsu America Corp. payload policy documentation. Nominal payload must be adjusted should the weight of any customised body or tyres fitted vary from that of the standard Komatsu body and tyres as shown above. Nominal payload must also be adjusted to take into account the additional weight or any customised/optional extras fitted to the truck which are not stated within the Standard Features list of this specification sheet.

Excavators (mini size)

Model	PC30MR-3	PC55MR-3	PC78US-8	PC88MR-8
Operating weight: (ISO 6016) With canopy and rubber shoes With cab and steel shoes Engine: make Model Net power (SAE J1349)	3140 3400 Komatsu 3D8E-6 22 @ 2 400 29.5 CLSS	5 160 5 320 Komatsu 4D88E-6 28.5@2 400 38.2 CLSS	6848 7 535 Komatsu SAA4D95LE-5 41@1 950 55 CLSS	- 8 395 Komatsu SAA4D95LE 49 @ 1950 65 CLSS
Hydraulic system: type Performance Bucket max. digging force (ISO 6015) Gradeability Arm crowd force (max) (ISO 6015) Standard arm (stick) Bucket: Capacity (SAE heaped) Bucket range Width (inc. side cutters) Max. digging depth (with std arm)	kg deg. kg m³ m³ mm mm	3000 30 1800 0.1 (0.035-0.13) 530 (600) 2760	5 440 30 3890 0.28 (0.09-0.34) 650 (750) 4 100	6 250 30 4 230 0.28 (0.9-0.34) 650 (750) 4 160
Transmission: type Max. drawbar pull Max travel speed (2 speed) Blade: width x height Attachments Operator's cab - ROPS & top guard (std) Standard arm (stick) length Long arm (stick) - optional Boom length (std) Grouser shoe width (std) - steel shoes	kg km/h mm bucket mm mm mm mm	2 Speed Hydrostatic 3 400 2.5/4.6 1 550x355 Gp* Yes Lv 1 1 240 1 610 2 285 300	2 Speed Hydrostatic 6 820 2.9/5.0 2 320x470 Gp* ROPS-RH&R FIX 1 650 2 100 3 710 600	2 Speed Hydrostatic 6 820 2.9/5.1 2 320x470 Gp* ROPS-RH&R FIX 1 650 2 100 3 405 600

*Gp: General purpose bucket.

Excavators (medium size)

Model	PC130-8	PC138US-8	PC210-10MO	PC220-8MO	PC270-8
Engine net power (SAE J1349/DIN 6270) @	68.4 2 200	68.4 2 200	123 2 000	140 2 000	140 2 000
Bucket					
Capacity - (Std SAE heaped)	m ³	0.5*GP (0.18-0.60)	1.0- 1.2*HD (0.80-1.20)	1.2*ME (0.72-1.26)	1.35*HD (1.14-1.26)
Bucket range	m ³				
Bucket digging force	kgf/kN	8 300/81.4	16 000/157	17 900/176	17 900/176
at power max (SAE)	kgf/kN	6 200/60.8	14 200/139	15 800/155	16 800/165
Arm crowd force SAE (Max)	mm	5 480	5 230	5 825	5 940
Digging depth					
Dimensions					
Height (to top of boom)	mm	2 850	2 975	3 220	3 310
Width (overall)	mm	2 490	2 800	2 980	3 190
Length (transport position)	mm	7 260 (4400)	9 630 (6 255)	9 865 (6 470)	9 640 (6 090)
Operating weight	kg	13 480	20 610	23 630	27 140
Attachments	(m ³)bucket	(0.6)HD	(1.2)HD	(1.20)HD	(1.35)HD
Stick (arm) length	mm	2 500 (note 1)	1 480	2 000	2 000
Boom length	mm	4 600	5 700	5 900	5 900
Grouser shoe width	mm	500	600	600	600

*HD: Heavy Duty Bucket (Standard) - Based on material density of 1.8 t/m³ and a bucket fill factor of 100%.

Note 1: Currently this unit is supplied with a 2.50m dipper arm as standard.

** Please refer to Komatsu website for latest information.

Excavators (medium size)

Model	PC300-8M2	PC360LC-8M2	PC400-8	PC450LC-8	PC500LC-10R
Engine net power (SAE J1349/DIN 6270) @	kW rpm	213 1950	257 1900	257 1900	269 1900
Bucket					
Capacity - (Std SAE heaped)	m ³	1.5*(Hensley)	1.9*HD	2.1*HD	3.5*HD
Bucket range	m ³	(1.14-1.80)	(1.3 - 2.8)	(1.30-2.80)	(2.5-4.0)
Bucket digging force	kgf/kN	26 410 / 259	24 600 / 241	28 600 / 241	31 000 / 304
at power max (SAE)	kgf/kN	23 963 / 235	24 600 / 241	26 600 / 241	26 700 / 262
Arm crowd force SAE (max)	mm	6 400	6 845	6 740	6 640
Digging depth					
Dimensions					
Height (to top of boom)	mm	3 480	3 850	3 660	3 980
Width (overall)	mm	3 190	3 430	3 430	3 580
Length (transport position)	mm	11 300(7320)	11 905(8410)	12 040	11 945(8095)
Operating weight	kg	31 100	41 740	44 320	49 600
Attachments	(m ³)bucket	(1.5)HD	(1.9)HD	(2.1)HD	(3.5)HD
Stick (arm) length	mm	2 200	2 400	2 400	2 400(short)
Boom length	mm	6 470	7 060	7 060	6 670
Grouser shoe width	mm	600	600	600	600

*HD: Heavy Duty Bucket (Standard) - Based on material density of 1.8 t/m³ and a bucket fill factor of 100%.

Note 1: Currently this unit is supplied with a 2.50m dipper arm as standard.

Excavators (large size)

Model	PC600-8R1 SE	PC700LC-8R SE	PC850-8R1	PC950-11R	PC1250-11R
Engine net power (SAE J1349/DIN 6270) @	320 1800	323 1800	363 1800	405 1800	560 1800
Bucket					
Capacity - (Std SAE heaped)	m ³				
Bucket range	3.5*HD (2.0-3.5)	4.0*HD (2.0-4.0)	4.3*HD (3.4-4.3)	6.0*HD (4.0 - 6.5)	6.7*HD (3.4-7.2)
Bucket digging force	29 500/289	29 500/286	-	51 200/502	43 000 kg/422KN
At power max (SAE)	31 770/312	31 700/312	43 600/428	31 600/310	-
Arm crowd force SAE (max)	28 500/280	28 500/280	37 000/363	31 011/385	29 200 kg/ 286KN
Digging depth	7 060	6 910	7 130	8 995	9 480
Dimensions					
Height (to top of boom)	3 290	4 670	4 850	5 170	6 990
Width (overall)	4 210	4 290	4 110	4 680	4 965
Length (transport position)	11 980	11 990	13 995	13 760	6 780
Operating weight	59 200	67 110	78 600	93 900	118 400
Attachments	(m ³)bucket (3.5)HD	(4.0)HD	(4.5)HD	(6.0) HD	(6.7)HD
Stick (arm) length	2 900	2 900	3 600	2 900	3 400
Boom length	6 600	6 600	8 040	7 100	9 100
Grouser shoe width	600	610	610	650	700

*HD: Heavy Duty Bucket (Standard) - Based on material density of 1.8 t/m³ and a bucket fill factor of 100%.

Excavators - shovel/backhoe (ultra size)

Model	PC2000-11R	PC3000-11	PC4000-11 FS	PC5500-11	PC7000-11	PC8000-11
Diesel engine version						
Net power (SAE J1349)	780@1800	940@1800	1400@1800	940x2@1800	2x1250@1800	1500x2@1800
Make:	Komatsu	Komatsu	Komatsu	Komatsu	Komatsu	Komatsu
Model:	SAA12V140E-7	SSA12V159	SDA16V159	SDA12V159E-2	SSDA16V159E-2	SDA16V160E-2
Electric drive version						
@ 60Hz (optional)	N/A	900	1350	2 x 900	2X 1200	2 x 1450
@ 50Hz (standard)	N/A	1800	1800	1800	1500	1800
	N/A	1500	1500	1500	1800	1500
Bucket						
Capacity SAE	11	15	22	28	36	42
(heaped)std bucket	12-13.7	12-16.5	19-23	26-38	34-38	34-42
Capacity range	1:1	1:1	1:1	1:1	1:1	1:1
Digging/break-out (SAE)	697	890	1155	1516	1692	1692
Arm crowd force (SAE)	-	-	-	-	-	-
Arm tear-out force	598	811	1058	1326	1499	1813
Max. digging depth	9245	7900	8000	8300	8340	8000
Max. dumping height	8640	9000	9700	10100	10860	11200
Operating weight	201400	252000	404000	538000	628000	763000
Attachments						
Stick length	3900	4000	4500	5100	5100	5500
Boom length	8700	8600	9750	11000	11500	11500

Note: Standard bucket size based on 1.8t/m³. BH: Backhoe FS: Face Shovel.

Electric rope shovels

Model	P&H 2300XPC AC	P&H 2800XPC AC	P&H 4100XPC AC	P&H 4800XPC AC
Make Operating mass (kg)	Komatsu 767 615 kg (55" shoes)	Komatsu 1 079 000 kg (56" shoes)	Komatsu 1 532 235 kg (76" shoes)	Komatsu 1 661 500 kg (100" shoes)
Dimensions				
Radius of cut	m 21.3	m 24.2	m 23.9	m 24.0
Width (overall)	m 10.5	m 13.1	m 14.4	m 15.0
Track length on ground	m 10.0	m 10.8	m 11.7	m 11.5
Max speed	km/hour 1.8	km/hour 1.8	km/hour 1.8	km/hour 1.8
Tail swing radius	m 10.0	m 9.9	m 9.8	m 9.9
Height of cut	m 13.5	m 16.6	m 16.8	m 18.9
Dumping height (open door)	m 8.5	m 9.1	m 9.5	m 10.8
Hoist motor	1 089kW@500v 1 450kW	2 069kW@690v 2 388kW	2 388kW@690v 2 834kW	2 388kW@690v 3 527kW
Swing motor	507kW@500v 617kW	1 090kW@690v 1 363kW	1 635kW@690v 1 644kW	1 635kW@690v 1 742kW
Crowd motor	272kW@500v 450kW	545kW@690v 695kW	545kW@690v 759kW	632kW@690v 1 111kW
Propel motor	328kW@500v 684kW	1 090kW@690v 1 973kW	1 090kW@690v 1 644kW	1 090kW@690v 1 644kW
Power requirement	3300, 5000, 6000/6600 3 Phase@50Hz	5000, 6000/6600 3 Phase@50Hz	6000, 6600, 7200/11000 3 Phase@50Hz	6000, 6600, 7200/11000 3 Phase@50Hz
Dipper				
Supply transformer	2000 kVa (minimum)	2750 kVa (minimum)	3750 kVa (minimum)	3750 kVa (minimum)
Nominal payload	mt 45	mt 59	mt 100-109	mt 123
Nominal dipper capacity (SAE struck)	cubic m 18-25	cubic m 26.8-33.6	cubic m 52.8-61.2	cubic m 66-70
Rated suspended load	mt 96	mt 122.5	mt 195	mt 223

Wheel loaders (medium size)

Model	WA150-6	WA200-6	WA250-6	WA320-6	WA380-6	WA430-6	WA480-6
Engine net power (SAE J1349/ISO 9249) @	kW rpm	74 2 000	94 2 000	103 2 000	125 2 000	142 2 100	172 2 100
Bucket							
Capacity - (Std SAE heaped)	m ³	1.4*GP	1.9*GP	2.1*GP	2.6*GP	3.1*GP	3.3*GP
bucket range	m ³	(1.2-1.7)	(1.7-2.4)	(1.8-2.7)	(2.1-3.2)	(2.7-4)	(3.1-4.6)
Breakout force	kgf	6 780	8 465	10 830	11 700	17 300	19 800
Static tipping load: (straight) static	kg	6 800	8 785	11 530	11 795	14 660	13 850
tipping Load: (full turn) dumping	kg	5 920	7 555	10 140	10 550	12 700	11 985
Clearance	mm	2 670	2 670	2 735	2 740	2 820	2 895
(max. height at 45°)							
Dimensions							
Height (to top of cab)	mm	3 060	3 110	3 200	3 200	3 430	3 550
Width (with bucket)	mm	2 390	2 565	2 705	2 760	2 925	3 190
Length (incl. bucket)	mm	6 365	7 010	7 200	7 660	8 310	9 325
Operating weight	kg	7 795	9 680	11 300	13 745	18 190	25 680
Includes the following							
Attachments							
(m ³) bucket		(1.4)/GP	(1.9)/GP	(2.1)/GP	(2.6)/GP	(3.1)/GP	(4.3)/GP
tyres		17.5x25	17.5x25	20.5x25	20.5x25	23.5x25	26.5x25
(rating)		12PR(L2)	12PR(L4)	12PR(L3)	12PR(L3)	20PR(L5)	20PR(L5)

*GP: General Purpose (stockpile) bucket with teeth.

Note: (a) GP(Std) buckets are all based on SG of 1.7t/m³ and a bucket fill factor of 100%.
(b) SNR (Std) buckets are all based on SG of 1.8t/m³ and a bucket fill factor of 100%.

Wheel loaders (large size)

Model	WA500-6R	WA600-6R	WA900-3A	WA900-8R	WA1200-6
Engine net power (SAE J1349/ISO 9249) @	263 1900	393 1800	637 2000	671 2050	1316 1800
Bucket					
Capacity - (Std SAE heaped)	5	8	26	11.0*SNR	20.0*SNR
Bucket range	(4.3-5.6)	(6.4-7)	(10.5-14.0)	(10.5-14.0)	(16.5-35.0)
Breakout force	27 950	39 500	76 900	76 900	120 200
Static tipping load: (straight)	24 655	34 200	74 990	74 990	115 800
Static tipping load: (full turn)	21 170	28 500	66 460	66 460	102 200
Dumping clearance	3 265	3 995	4 710	4 710	6 335
(max. height at 45°)					
Dimensions					
Height (to top of cab)	3 820	4 480	5 215	5 600	6 970
Width (with bucket)	3 460	5 100	6 470	4 935	6 400
Length (incl. bucket)	9 790	9 930	12 035	15 205	18 815
Operating weight	34 730	48 090	100 000	117 300	217 000
Includes the following					
Attachments					
Tyres	(5.0)/EXV S.E	(6.4)/EXV S.N	(11)/SNR	(11)/SNR	(20)/SNR
(rating)	29.5-25 22PR(L5)	35/65-33 36PR(L5)	45/65 50P **(L5)	45/65-45 **(L5)	55.5/80-57 **(L5)

EXV: Excavating bucket with teeth *S.N.R: Spade nose rock bucket with teeth.

**Granite: Granite handling attachments as required.

Note: (a) GP (Std) buckets are all based on SG of 1.7t/m³ and bucket fill factor of 100%.

(b) SNR (Std) buckets are all based on SG of 1.8t/m³ and a bucket fill factor of 100%.

H/L: High lifting available.

Hybrid wheel loaders

Model	WE1350-3	WE1350-3	WE1850-3	WE1850-3	WE2350-2	WE2350-2
Engine Engine make / model or Engine make / model	Std lift Cummins QSK 50 MTU 12v4000 1 250 1 249 1 676	High lift Cummins QSK 50 MTU 12v4000 1 193 1 249 1 800	Std lift Cummins QSK 60 MTU 16v4000 1 491 1 715 1 800	High lift Cummins QSK 60 MTU 16v4000 1 491 1 715 1 800	Std lift Cummins QSK 60 MTU 16v4000 1 715 1 715 1 800	High lift Cummins QSK 60 MTU 16v4000 1 715 1 715 1 800
Engine net power kW (Cummins T1) kW (MTU T1) rpm						
(SAE: J1349/ISO 9249) @						
Bucket Capacity: (standard ISO-rated) Bucket range	22.94 Sized to material density	21.41 Sized to material density	31-33 Sized to material density	30.58 Sized to material density	40.52 Sized to material density	38.23 Sized to material density
Breakout force	99 728	102 380	129 606	134 807	119 613	131 543
Static tipping load: (straight)	108 776	100 068	TBD	147 211	184 300	164 200
Static tipping load: (full turn)	98 849	90 936	TBD	128 996	172 100	153 300
Operating payload	40 823	38 102	58 967	54 431	72 574	68 039
Dumping clearance (max height 45 reach at full lift)	6 420 2 690	7 060 2 790	6 480 3 810	7 570 3 430	7 030 3 180	8010 3 490
Dimensions Height (to top of cab)	6 690	6 690	6 730	6 730	6 730	6 730
Width (rock bucket with deflectors)	6 710	6 710	6 710	6 710	7 580	7 580
Length (incl. bucket)	17 310	17 700	19 840	20 240	20 270	20 900
Operating weight: Including the following	194 228	196 496	266 620	265 352	266 259	272 065
Attachments Bucket Tyres	22.94 50/80-57	21.41 50/80-57	32.88 58/85-57	30.58 58/85-57	40.52 70/70-57	38.23 70/70-57

Note: Standard rock bucket based on S.G. of 1.78 t/m³ and a bucket fill factor of 100%.

Motor graders

Model	GD535-5	GD555-5	GD675-5	GD705-5	GD755-5R	GD825A-2	GD955-7R
Engine							
Make	Komatsu	Komatsu	Komatsu	Komatsu	Komatsu	Komatsu	Komatsu
Model	SAA6D107E-1	SAA6D107E-1	SAA6D107E-1	SAA6D114E-3	SAA6D125E-5	S6D140E	SAA6D140E-5
Power							
Flywheel	101-108	118-144	134-163	194	216	209	311
(SAE J1349/ISO 9249) @	2000	2000	2100	1950	2000	2100	1900
Max speed: (forward)	43.4	44.3	44.3	47.9	47.9	44.9	44.4
Max speed: (reverse)	35.2	40.3	40.3	34.1	43.6	47.9	42.3
Blade							
Length	3710	4320	4320	4320	4878	4878	5490
Height	645	645	645	700	685	850	810
Dimensions							
Height	3250	3220	3200	3260	3533	3800	3990
Width	2455	2485	2630	4320	4320	3310	3685
Length	9880	10365	10575	11050	11045	11470	13200
Operating weight							
Including	15150	18480	18730	22150	24380	33310	47990
Attachments							
ROPS/FOPS Cab							
Rear ripper/scarifier	low profile	low profile	low profile	low profile	low profile	low profile	ROPS CAB
Ripper shanks	rear ripper	rear ripper	rear ripper	rear ripper	rear ripper	rear ripper	rear ripper
Scarifier shanks	5	3	3	5	7	5	5
Tyres	14.00-24(G2)	17.5-25(L4)	17.5-25(L4)	20.5/R25(L3)	20.5/R25(L3)	23.5-25(L5)	26.5R25 (L4)

*Including rear mounted Ripper / Scarifier.

Skid steer loader

Model

714-5

Operating weight

Engine net power (SAE J1349)

Bucket capacity: Std (ISO 7546)

Bucket width

Bucket breakout force (ISO 8313)

Performance

Rated operating capacity (ISO 8313)

Dumping clearance, max. height

Tipping load (ISO 5998)

Max. lifting capacity (ISO 8313)

Travel speeds

Forward: working speed

Travel speed

Reverse: working speed

Travel speed

Turning radius (outside corner of bucket)

Turning radius (at rear tail corner)

Ground clearance

Dimensions

Overall length - including std. bucket

Overall width - with std. bucket

Overall height - to top of cab

Wheelbase

Width over tyres

Treads (front and rear)

Tyres: front & rear

Fuel tank capacity

kg

kW@rpm

m³

mm

kgf

kg

mm

kg

kg

km/h

km/h

km/h

km/h

mm

mm

mm

mm

mm

mm

mm

mm

mm

mm

mm

mm

mm

litres

2 530

34.9@2 800

0.35

1 550

1 750

650

2 140

1 300

1 850

10.5

16

10.5

16

2 100

1 340

210

3 200

1 550

1 960

950

1 520

1 250

10-16.5 8PR

53



Underground hard rock bolter

Model: medium bolter

Komatsu ZB21

Tramming Transmission Axles Engine Face coverage Brakes Gradeability Surface covered Rotation angle Boom extension Feed extension Drilling Rock drills Hole diameter Compressor flow Water pump capacity Bolting Powerpack power Split set, resin grouted, mechanical, water inflated Bolt length Carousel capacity Mesh handling Canopy/Cabin Overall dimensions LxWxH min/max (mm) Cornering Operating environment Dimensions	Dana T12000 series w/ integrated torque converter Dana 112 Axles w SAHR parking/emergency brakes Cummins QSB 3.35 T3 engine rated 74 kW (99 hp) @2600 rpm (MSHA/CANMET) SAHR Max 15° Face coverage of 50m² 360° 1400mm Feed extension = 427mm Stinger extension = 452mm HC28 - 9.5 kW - 47-55 Hz HC50 - 13kW - 45 -62.5 Hz HC28 - 32 - 64mm HC50 - 45-76mm 5.5 kW = 10.3l/s at 13 bar 11 kW = 18.3l/s at 10 bar CR3-17 57l/min at 12 bar Standard - 56kW (75 HP) Available option for jumbo conversion - 75kW (100HP) Yes 1.5 to 2.4m 9 Option - integrated into bolting head FOPS/ROPS Canopy for FOPS/ROPS Cabin Dimensions = 10060 x 1680 x 2200/ 2837mm (8' bolts) Outer radius = 5118mm Inner radius = 3006
---	--

Underground hard rock drifter

Model	HC95
Overall weight	185
Overall length without shank	1 033
Overall length with shank	1 162
Overall width	301
Height above shank axis	86
Max. output	21kW
Input range	30-40kW



Underground hard rock face drill

Model: single boom jumbo

Komatsu ZJ21

Applications	Face drills Cross cuts Bolt hole Extension drilling Transmission Axles Engine Brakes Speed Gradeability Rotation angle Boom extension Feed extension Auto parallelism Rock drills Hole diameter Feeds Powerpack power Canopy/cabin Weight Max width Total length Height with canopy in drill/tram position Boom coverage (width) Boom coverage (height)
Tramming	yes Telescopic feed Seamless conversion to Bolting head Telescopic feed Dana T12000 series w/ integrated torque converter Dana 112 Axles w SAHR parking/emergency brakes - hydraulically applied service brakes Cummins QSB 3.35 T3 engine rated 74 kW (99 hp) @2600 rpm (MSHA/CANMET) SAHR 17.0 km/h horizontal (0% grade) speed on grade? Max 15° 360° 1400mm 1262mm yes HC50: 45kW, (50 Hp) HC95: 75kW, (100 Hp) HC50: 45 to 76mm HC95: 45 to 102mm Fixed length (mm) 2438, 2768, 3658, 4267mm Telescopic (mm) 2438-3658, 2438-4267mm Standard -56 kW (75 HP) Available option for Jumbo conversion - 75 kW (100HP) FOPS/ROPS Canopy or FOPS/ROPS Cabin 15000kg 1680mm 12298mm 2837mm 9286mm 8175mm
Boom	
Drilling	
Operator environment Dimensions	

Underground hard rock mining trucks

Model	HX07	HX16	HX20	HX30	HX45
Capacity					
Standard payload (kg)	6 600	16 000	20 000	30 000	45 000
Standard box/volume (m ³)	3.3	8	10	15	21
Key dimensions					
Operating weight (kg)	8 545	17 900	18 955	30 400	37 900kg
Total loaded weight (kg)	15 145	33 900	38 955	60 400	82 900kg
Maximum width (mm)	1 549	2 318	2 200	2 800	3 062mm
Tramming length (mm)	6 217	7 728	9 417	10 246	10 935mm
Height - dump clearance (mm)	109	447	433	476	570mm
Length - top of canopy (mm)	2 084	2 35	2 555	2 600	2 699mm
Height - ground clearance (mm)	234	336	312	400	390mm
Engine (standard)	Deutz BF4L914	Cummins QSB 6.7 EPA Tier 3	Cummins QSB6.7	Mercedes OM471	Mercedes OM473
Output (kW/HP)	72kW(96HP)	164 kW (220HP)	194kW (260HP)	320kW (429HP) @1 700rpm	460kW (617HP) @1 600rpm
Bucket width (mm)	1 549	2 318	2 200	2 800	3 062mm



Underground hard rock haulage

Model	WX03	WX04	WX07	WX11	WX15
Capacity					
Tramming capacity (kg)	3 000 kg	4 000 kg	7 000 kg	11 000 kg	15 000 kg
Hydraulic breakout force, lift			14 264 kg	21 732 kg	26 512 kg
Hydraulic breakout force, tilt			13 645 kg	21 260 kg	22 230 kg
S&E static tipping load			12 617 kg	19 538 kg	26 141 kg
Standard bucket m ³	1.5m ³	1.9m ³	3.1m ³	5m ³	5.4m ³
Key dimensions					
Operating weight			22 340 kg	35 250 kg	41 500 kg
Total loaded weight				46 250 kg	56 500 kg
Engine (standard)			160kW		Mercedes OM470
Output					280 kW (375 HP) @ 1,900 rpm
Fuel tank capacity				336ℓ	410ℓ



Underground hard rock shaft jumbo drill

Model: boom shaft jumbo

ZS02

Boom

Drifter

Lubrication

Bucket well diameter

Emergency stop

Power unit

Boom controls

Drill controls

Remote controls

Function

Reservoir capacity

Boom coverage one boom only

Boom swing

Boom rotation

Feed advance

Feed rotation

Feed swing

2

JZD21 or JZD27

Auto lube

1.88m

Electrical, 1 @ electrical panel
(1 per operator console)

100HP electric / 74.5Kw IP55 rated (1 per boom)

4 and 5 section hydraulic valve
(1 per boom)

3 section hydraulic valve
(1 per boom)

Optional

Tandem hydraulic pumps 130cc/60cc (1 per boom)

244 L

6m

-11° to +60° from vertical

360°

1524mm

360°

180°



Note: All machines are configurable to customer requirements so specific weights and dimensions may vary depending on the options selected.

Underground hard rock shaft mucker

Model: boom shaft mucker	ZM01
Specifications	ZM01
Bucket capacity	0.4m³ / *0.57m³ 0.5 yd³ / *0.75 yd³
Function	Pneumatic
Length	16510mm
Boom extension	4267mm
Width	1524mm
Depth	965mm
Extension tower	1 633kg
Cage	2 585kg
Boom	4 400kg
Total Weight	8 618kg

*Pending material density.

Note: All machines are configurable to customer requirements so specific weights and dimensions may vary depending on the options selected.



Blasthole drills - track & rotary

Model	ZT44	ZR77	ZR122	320XPC
Working ranges Hole sizes - rotary DTH	mm mm	200-270 Up to 203mm DTH hammer with 229 mm maximum bit diameter	270-349 -	270-444 -
Hole depth, first pass Maximum hole depth	m m	16.8 85.3m with 6 pipe carousel	19.8 85m with 6 pipe carousel	19.8 with option of 21.3 39.6 single pipe rack and 59.4 dual pipe rack
Maximum torque	Nm	14 900	21 700	33 895
Maximum bit load	kg	34 925	55 338	68 083
Operating weight	kg	40 823	180 257	181 437
Engine make or electric				
Engine model	Cummins	Cummins/ electric 6.3KV@50Hz QST 30, Tier 2 783kW	Cummins/ electric 6.6KV@50Hz QST 38, Tier 2 927kW	Full electrical operation 6.6 to 7.2KV@ 50Hz
Standard engine HP mode	QSK 19, Tier 2 570			Main drive motor - standard 522kW Optional 746 kW
Standard engine LP mode	597	-	-	
Compressor: type	Sulliar 20/12 (1150)	Rotary screw, oil flooded	Rotary screw, oil flooded	Screw type - gardner - denver SSY or Sulliar
DTH: High pressure mode	33.5 @ 34.5 bar @1 800 rpm	42.5 @ 34.50 bar	-	-
DTH: Low pressure mode	39.1 @ 24.2bar @2 100 rpm	42.5 @ 24.13bar	-	-
Rotary Standard output	-	56.6 @ 6.89 bar - 2000 cfm	85 @ 6.89 bar - 3000 cfm	97 @ 65 psi - 3 450 cfm
Optional	-	76.5 @ 6.89 bar - 2 700 cfm	102 @ 6.9 bar - 3 600 cfm	109 @ 65 psi-3 850 cfm (requires 746 kW motor)

Crushing equipment - reclaim feeders

Model	RF-5	RF-27	RF-31	RF-40
Power range (HP)	496	250	300	500
Throughput (TPH) Installation type	Up to 3 629 TPH Semi-mobile	Up to 1 500 TPH Fixed	Up to 2 500 TPH Fixed	Up to 3 600 TPH Fixed
Dimension Overall width (mm) Conveyor width (mm) Overall length (baseline) (mm) Overall height (mm) Intake length (baseline) (mm) Discharge height (mm) Weight (kg) Power rating (baseline) (kW)	2 304 (RF-5Q), 2 690 (RF-5B) or 3 543 (RF-5E) 914 (RF-5Q), 1 270 (RF-5B) or 1 676 (RF-5E) 12 090 mm 3 183 mm 5 000 mm 1 700 mm 21 000 (RF-5Q), 23 000 (RF-5B) or 31 000 (RF-5E) 150 (RF-5Q and RF-5B) or ≤ 370 (RF-5E) 			

Crushing equipment - surface feeder breakers

Model	SFB-29	SFB-31	SFB-38	SFB-40	SFB-43
Typical applications* ¹ Throughput (TPH) Operating weight (T) Mineral hardness Chain pitch (mm)*² Max feed size (mm)	Coal, salt, gypsum, potash, lignite Up to 1 500 20-30	Limestone, aggregates, phosphate rock Up to 2 500 40-60 Medium 114.3 1 000	Harder limestone, phosphate rock Up to 4 000 >100 Hard 152.4 1 500	Hard rock and overburden Up to 3 000 70-80 Medium 139.7 1 200	Hard rock and overburden Up to 6 000 > 200 Hard 190.5 1 500
					

*Note 1: Larger surface feeder breakers are often used to crush softer minerals due to required capacity or feed size.

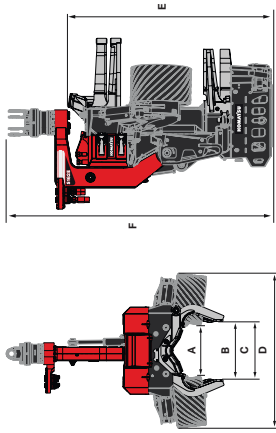
*Note 2: The rated capacity, maximum mineral compressive strength, and feed/product size of a feeder breaker are interdependent.

Crushing equipment - sizers

Model	iXRS 600	XRS 600	XRS 800	DRX 800	DRX 1000	HRX 1000	MVT-II 600	MVT-II 800
Standard output (mm)	150/200	150/200	150/200 /250	150/200 /250	200/250		25/38/50	50/100
Throughput (TPH)	Up to 800	Up to 1 800	Up to 2 500	Up to 3 000	Up to 3 000		Up to 1 000	Up to 2 500
Operating weight (T)	7 - 9	10 - 14	18 - 24	20 - 26	43 - 48		14,3 - 18,7	20 - 26
Roll spacing (mm)	600	600	800	800	1000		600	800
Feed size (mm)	<800	<600	<800	<800	<1000		<250	<350
Roll length range (mm)	1 000-1 500	1 000-2 500	1 000-3 000	1 000-3 000	2 000-3 000		1 000-2 500	1 500-3 000
  								

Forestry - harvesting head

Model	S162E
Weight (dry weight)	kg From 1 740
Feed rate Feed force / gross	m/s kN 0-5,9 20,8
Feed roller type Debarking rollers Delimbing knives	max. number 6
Delimbing diameter, tip to tip Front knives	mm min. Ø43 – max. Ø200 min. Ø53 – max. Ø260
Rear knives	
Saw bar	cm 75
Saw motor	cm ³ /rev 19
Requisite max. hydraulic flow	l/min 330
Requisite max. hydraulic pressure	MPa 28
Fell cut diameter, max	mm 650
Head opening, max	mm 563
Recommended working range	mm 50 - 230



A Roller opening, max. 563 mm

B Opening, front knives, max. 632 mm

Max debarking diameter, front knives 200 mm

Max debarking diameter, rear knives 260 mm

C Opening rear knives, max. 624 mm

D Width, max. 1,704 mm

Width, min. 1,284 mm

E Height to top knife 1,803 mm

F Height including rotator 2,280 mm

NB: Refers only to one of several possible dimensional combinations and the head's weight is dependent on equipment options.

24/7 parts ordering online



**Easy & convenient,
*one click away***



komatsu.co.za



Parts pricing



Order tracking



Stock availability



Description search



Part number search



Free delivery > R5000



Access to digital parts book¹



Notification when parts are ready for collection

¹Premium accounts only



10% discount when you register

KOMATSU



**Genuine
Parts**

Delivery within RSA only

Page 41



Order your parts online 24/7

www.komatsu.co.za



KOMATSU

Creating value together

Komatsu South Africa (Pty) Ltd.
17 Brickfield Road, Sunnyrock, Germiston, 1401
Tel: +27 11 923 1000