



Motor Graders

Make	Model	Weight		Moldboard Blade			Performance				
		Operating weight (lbs)	Moldboard length (ft)	Moldboard height (in)	Blade lift above ground (in)	Max. blade side shift, right/left (in)	Shoulder reach, frame straight, right/left (ft/in)	Net engine power, 1st gear (hp)	Frame articulation, either side (deg)	Min. turn radius (ft/in)	
45 to <75 net hp											
LeeBoy	635B	7,880	8'	14"	11"	12" / 12"	2' 1" / 2' 1"	48	16°	13' 8"	
PSI	M406XT	7,620	8'	19"	12"	30" / 30"	--	65	18°	8' 3"	
Basic Equipment	601	6,400	8'	16"	14"	12" / 12"	--	49.5	22°	--	
75 to <90 net hp											
Champion	C60 B	12,800	10'	19"	20"	28" / 28"	3' 0" / 3' 0"	80	24°	19' 0"	
Champion	C66 B	13,400	10'	19"	20"	28" / 28"	3' 0" / 3' 0"	80	24°	19' 0"	
Champion	C70B	13,050	10'	19"	20"	28" / 28"	3' 0" / 3' 0"	80	24°	19' 0"	
Champion	C80 C	15,000	10'	21"	20"	28" / 28"	3' 0" / 3' 0"	80	24°	19' 0"	
Huber	M-850-D	9,880	9'	13.5"	13"	19.25"	3' 2" / 3' 2"	80	--	19' 6"	
90 to <115 net hp											
H-Mach	NEW FG-100	13,000	10'	17"	9"	19" / 19"	3' 0" / 3' 0"	100	--	7' 10"	
Champion	C86 C	15,500	10'	21"	20"	28" / 28"	3' 0" / 3' 0"	110	24°	19' 0"	
LeeBoy	685B	15,500	10'	18"	13"	18" / 18"	3' 0" / 3' 0"	110	18°	14' 9"	
NorAm	65E Turbo	16,786	10'	16.63"	15.4"	--	6' 11" / 7' 4"	110	25°	18' 9"	
115 to <145 net hp											
Caterpillar	120H Updated	27,880	12'	24"	18"	26" / 20.6"	6' 3.3" / 6' 0.4"	125	20°	23' 7.2"	
LeeBoy	785	25,300	12'	20"	14"	29" / 29"	6' 4" / 6' 4"	130	20°	13' 0"	
PSI	M413XT	13,220	10'	19"	11"	36" / 36"	--	133	--	16' 4"	
PSI	MG618	18,590	10'	19"	11.5"	36" / 36"	--	133	32°	18'	
PSI	MG622	22,840	12'	22"	14.1"	26.75" / 31.2"	5' 11.5" / 6' 5.25"	133	24°	20' 6"	
Caterpillar	135H Updated	28,840	12'	24"	18"	26" / 20.6"	6' 3.3" / 6' 0.4"	135	20°	23' 7.2"	
Case	845	29,777	12'	22"	17.5"	27" / 21"	--	140	25°	23' 9"	
Komatsu	GD555-3C VHP	30,950	12'	26"	19.1"	32.3" / 32.3"	6' 6.7" / 6' 6.7"	140	23°	22' 4"	
New Holland	G140	29,777	12'	24.5"	17.5"	27" / 21"	7' 2" / 6' 6"	140	25°	23' 9"	
Case	845DHP	29,777	12'	22"	17.5"	27" / 21"	--	140	25°	23' 9"	
145 to <170 net hp (continued on page 44)											
Caterpillar	12H Updated	31,320	12'	24"	18.9"	26" / 20.6"	5' 11.2" / 6' 1.6"	145	20°	24' 3"	
John Deere	670D	37,800	12'	24"	18.5"	26.9" / 26.9"	6' 10" / 6' 10.5"	145	22°	23' 0"	
Volvo	G930	34,291	12'	25"	18.9"	26.5" / 26.5"	6' 8.5" / 6' 7.5"	155	23°	23' 10"	
Caterpillar	140H Updated	32,357	12'	24"	18.9"	26" / 20.6"	6' 5.9" / 6' 2.6"	165	20°	24' 7.2"	
Caterpillar	143H Updated	33,670	12'	24"	18.9"	26" / 20.6"	6' 5.9" / 6' 2.6"	165	20°	24' 7.2"	
John Deere	672D	39,400	12'	24"	18.5"	26.9" / 26.9"	6' 10" / 6' 10.5"	165	22°	23' 6"	
John Deere	770D	39,180	12'	24"	18.5"	26.9" / 26.9"	6' 10" / 6' 10.5"	165	22°	23' 0"	



LeeBoy 635B



NorAm 65E Turbo



PSI MG622



Komatsu GD555-3C VHP



Volvo G930

NEW -Added since 2006-2007 *Equipment World Spec Guide*

Motor Graders



New Holland G140



Case 865VHP



John Deere 772D



Caterpillar 14M



Caterpillar 16M

Make	Model	Weight		Moldboard Blade			Performance				
		Operating weight (lbs)	Moldboard length (ft)	Moldboard height (in)	Blade lift above ground (in)	Max. blade side shift, right/left (in)	Shoulder reach, frame straight, right/left (ft/in)	Net engine power, 1st gear (hp)	Frame articulation, either side (deg)	Min. turn radius (ft/in)	
145 to <170 net hp (continued from page 43)											
Komatsu	GD655-3E0 VHP	33,951	12'	26"	19.9"	32.3" / 32.3"	6' 6.7" / 6' 6.7"	180	23°	22' 8"	
Case	865	32,077	13'	23.6"	17.5"	27" / 21"	--	169	25°	23' 9"	
170 to <200 net hp											
Case	865DHP	32,077	13'	23.6"	17.5"	27" / 21"	--	170	25°	23' 9"	
New Holland	G170	32,077	14'	26.4"	17.5"	27" / 21"	7' 1.6" / 6' 5.9"	170	25°	23' 11"	
Volvo	G940	35,179	12'	25"	18.6"	26.5" / 26.5"	6' 7" / 6' 7.5"	175	23°	23' 10"	
Volvo	G946	36,706	12'	25"	18.6"	26.5" / 26.5"	6' 7" / 6' 7.5"	175	23°	23' 10"	
Caterpillar	160H Updated	34,560	14'	27"	17.8"	37.1" / 33.5"	7' 5" / 7' 3.5"	180	20°	24' 7.2"	
Caterpillar	163H Updated	35,890	14'	27"	17.8"	37.1" / 33.5"	7' 5" / 7' 3.5"	180	20°	24' 7.2"	
Case	865VHP	32,077	13'	23.6"	17.5"	27" / 21"	--	180	25°	23' 9"	
John Deere	870D	40,630	14'	27"	17.2"	26.9" / 26.9"	7' 7" / 7' 7.5"	180	22°	23' 0"	
Komatsu	GD675-3E0 VHP	34,855	12'	26"	19.9"	32.3" / 32.3"	6' 6.7" / 6' 6.7"	180	23°	22' 8"	
Caterpillar	NEW 140M	33,356	12'	24"	18.9"	26" / 20.1"	6' 5.9" / 6' 8.5"	183	20°	25' 6"	
John Deere	772D	40,790	12'	24"	18.5"	26.9" / 26.9"	6' 10" / 6' 10.5"	185	22°	23' 6"	
Volvo	G960	36,179	12'	25"	18.6"	26.5" / 26.5"	6' 7" / 6' 7.5"	195	23°	23' 10"	
200 to <250 net hp											
Case	885	37,950	14'	23.6"	17.5"	27" / 21"	--	200	25°	23' 11"	
Champion	NEW RP626	16,000	--	--	--	--	--	200	--	--	
New Holland	G200	37,950	14'	26.4"	17.5"	27" / 21"	7' 1.6" / 6' 5.9"	200	25°	23' 11"	
Case	885	37,950	14'	23.6"	17.5"	27" / 21"	--	205	25°	23' 11"	
John Deere	872D	43,760	14'	27"	17.2"	26.9" / 26.9"	7' 7" / 7' 7.5"	205	22°	23' 6"	
Volvo	G970	39,026	12'	29"	18.2"	26.5" / 26.5"	6' 5" / 6' 5.5"	210	21°	25' 2"	
Volvo	G976	40,553	12'	29"	18.2"	26.5" / 26.5"	6' 5" / 6' 5.5"	210	21°	25' 2"	
Caterpillar	NEW 160M	35,060	14'	27"	17.8"	37.4" / 32.3"	7' 5.7" / 6' 10.3"	213	20°	25' 6"	
Caterpillar	14H Updated	41,465	14'	27"	16.5"	31.1" / 25.6"	6' 10" / 6' 9"	220	20°	26' 3.6"	
Volvo	G990	46,282	14'	31"	17.8"	26.5" / 26.5"	6' 5" / 6' 5.5"	225	21°	25' 8"	
250 net hp and over											
Caterpillar	NEW 14M	47,133	14'	27"	16.5"	31.1" / 29.1"	7' 5.7" / 7' 1.4"	259	20°	25' 9"	
Caterpillar	16H Updated	54,550	16'	31"	16.5"	31.1" / 25.6"	7' 7" / 7' 7"	265	20°	32' 3.6"	
Komatsu	GD825A-2E	58,250	16'	31"	19"	--	7' 10" / 7' 10"	280	25°	25' 11"	
Caterpillar	NEW 16M	57,452	16'	31"	15.6"	43.1" / 25.6"	8' 5.9" / 7' 6"	297	20°	29' 3"	
Caterpillar	NEW 24M	137,692	24'	42"	25"	49" / 34.3"	10' 7.1" / 10' 6.9"	533	25°	40' 9"	

NEW -Added since 2006-2007 Equipment World Spec Guide

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Scrapers, Self-Propelled



Caterpillar 627G



Terex TS14G



Caterpillar 657G

Make	Model	Bowl		Weights		Cutting Edge		Elevator	Engine		Transmission		Dimension
		Bowl capacity heaped (SAE) (cu yds)	Payload weight (lbs)	Operating weight, empty (lbs)	Width of cut (ft/in)	Max. depth of cut (in)	Max. depth of spread (in)		Number of elevator flights	Tractor net power (hp)	Rear engine net power (hp)	Transmission type*	
<i>Elevating type, <14 cu yd heaped</i>													
Caterpillar	613C II	11	26,400	33,650	7' 8.5"	6.3"	14.6"	15	175	--	PS	21.8	14' 8"
<i>Elevating type, 14 to <21 cu yd heaped</i>													
Caterpillar	615C II	17	40,800	56,450	9' 6"	15.8"	16.3"	18	265	--	PS	27.6	15' 9.5"
<i>Elevating type, 21 cu yd heaped & over</i>													
Caterpillar	623G	23	55,115	82,531	11' 6"	13"	15"	15	330	--	Auto	32	35' 11"
<i>Open bowl, 14 to <21 cu yd heaped</i>													
Miskin	E-14m	14	30,000	45,000	--	--	18"	--	--	--	PS	18	--
Terex	TS14G	20	48,000	62,922	9' 10"	12"	27"	--	176	158	PS	28.2	--
<i>Open bowl, 21 to <40 cu yd heaped</i>													
Caterpillar	621G Updated	22	52,800	73,789	9' 11"	13.1"	20.6"	--	330	--	Auto	32	35' 11"
Caterpillar	627G Updated	22	52,800	83,441	9' 11"	13.1"	20.6"	--	330	239	Auto	32	35' 11"
Caterpillar	631G Updated	34	82,200	102,460	11' 6"	17.2"	18.9"	--	450	--	Auto	33.2	40' 0"
Caterpillar	637G Updated	34	82,200	114,744	11' 6"	17.2"	18.9"	--	450	249	Auto	34.1	40' 0"
<i>Open bowl, 40 cu yd heaped & over</i>													
Caterpillar	657G	44	104,000	149,592	12' 8"	17.3"	26"	--	564	410	Auto	33	49' 8"
Caterpillar	637E II Coal	50	75,000	113,580	11' 6"	17"	18.8"	--	450	250	Auto	34.1	46' 8"
Caterpillar	657E Coal	72.6	108,897	159,226	12' 7"	17.3"	17.3"	--	550	400	Auto	29.9	50' 8"