

	Heavy-Duty	Hi-Vac Bagger	Commercial 21
<b>POWER SYSTEM</b>			
Engine	Honda® GXV160 Kawasaki FJ180V KAI	Kawasaki FJ180V KAI	Honda GSV 190
Engine Starter	Recoil	Recoil	Recoil
Tires	8" x 2" Rubber tires w/ steel wheels	8" x 2" Rubber tires w/ steel wheels	8" x 2" Rubber tires w/ steel wheels
Fuel/Capacity	Gas/.53 gal (Honda) Gas/1 gal (Kawasaki)	Gas/1 gal	Gas/.29 gal
Transmission	3-speed RWD	3-speed RWD	Hand push or single speed RWD
Control System	Zone Start or BBC	BBC	Zone Start
Maximum Forward Speed	4.2 mph	4.2 mph	3.1 mph

<b>MOWING DECKS</b>			
Available Deck Widths	21"	21"	21"
Deck Type	Recycler® Mulching/Rear Bag	Bagging	Mulch/Rear Bag/Side Discharge
Deck Construction	Corrosive resistant 1/4" aluminum	Corrosive resistant 1/4" aluminum	Corrosive resistant aluminum
Spindle Assemblies	25mm engine crankshaft w/ steel protector (ZS only)	25mm engine crankshaft	25mm engine crankshaft
Cutting Height	1.0" – 3.25"	1.0" – 4.0"	1.0" – 4.5"
Blades	(1) .135" thick steel w/ blade stiffener	(1) .135" thick steel w/ anti scalp cup	(1) .135" thick steel w/ blade stiffener
Blade Engagement	Dual-action lever (BBC) or Zone Start	Twin bail (BBC)	Zone Start
Blade Tip Speed	18,000+ ft/min	18,000+ ft/min	17,000+ ft/min

<b>21" PROFESSIONAL MODELS</b>	Weight	Height*	Width	Length*
22195 Heavy-Duty – Honda GXV160, SP, ZS	108 lbs.	21.5"	22"	36"
22196 Heavy-Duty – Honda GXV160, SP, BBC	115 lbs.	21.5"	22"	36"
22187 Heavy-Duty – Kawasaki FJ180V KAI, SP, ZS	114 lbs.	21.5"	22"	36"
22188 Heavy-Duty – Kawasaki FJ180V KAI, SP, BBC	121 lbs.	21.5"	22"	36"
22189 Hi-Vac Bagger – Kawasaki FJ180V KAI, SP, BBC	124 lbs.	22"	22"	36"
22155 Commercial 21 – Honda GSV 190, HP, ZS	83 lbs.	20.5"	22"	34.5"
22156 Commercial 21 – Honda GSV 190, SP, ZS	87 lbs.	20.5"	22"	34.5"

HP = Hand-Push      ZS = Zone Start  
 SP = Self-Propelled      BBC = Blade Brake Clutch

\* In highest cutting height, excluding handle

The gross horsepower of these engines was laboratory rated by the engine manufacturer in accordance with SAE J1940. As configured to meet safety, emission and operating requirements, the actual engine horsepower on these mowers will be significantly lower.

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Safety begins with a thorough understanding of the equipment. Always make sure you and all operators read the Operator's Manual before using the equipment. Pay close attention to all safety and operating decals.