

21 Inch Heavy-Duty Commercial, Model No. 22298



TECHNICAL SPECIFICATIONS AND FEATURES

Engine	Kawasaki FJ180V-AM25-M, 179 cc (10.9 cubic in), 3.5 kW (4.7 hp) – corrected as per SAE J1349, four cycle, air-cooled, vertical shaft, overhead valve engine. Features include oil dipstick and fill tube, spark plug terminal cover, compression release, oil filter, pressurized lubrication, EPA-CARB emissions compliant. Cylinder fitted with a steel liner. Top mounted recoil starter.
Housing	Die cast aluminum alloy, spiral grass chamber with rear bagging. Commercial duty, high impact design.
Height Of Cut	Wheels are individually adjustable by leaf spring type hand levers from 2.5 cm to 11.4 cm (1.0 in to 4.5 in) in eight positions.
Blade	53.1 cm (20.9 in) long recycler blade. Heat-treated alloy steel. Tip speed is 18,000 fpm.
Controls	Blade Brake Clutch Control: To engage the blade, move the blade control bar all the way to the right and then raise it to the handle. To disengage the blade, release the blade control bar to the OFF position. Self-Propel System: To propel the machine, lift the blade control bar to the handle. Remote Engine Kill: Move the throttle to the rear to shut the engine off. Transmission Speed: Ground speed is selectable by a shift lever above the transmission.
Wheels	Black plastic rims with two precision ground, sealed ball bearings.
Tyres	22.9 x 6.03 cm (9.0 x 2.4 inch) rubber semi-pneumatic tyre.
Catching Bag	74.0 litres (2.1 bushels).
Gearbox	Maintenance free General Transmissions with internal differential. Powder metal input pulley.
Width:	54.6 cm (21.5 inches) - at 3 inch HOC and handle at highest setting.
Length	149.9 cm (59.0 inches) – at 3 inch HOC and handle at highest setting.
Height	101.6 cm (40.0 inches) – at 3 inch HOC and handle at highest setting.
Fuel Tank Capacity	3.8 litres.
Shipping Weight	60.0 kg (135.0 lbs).
Warranty	Residential: Mower - 2 years limited, Engine - 2 years. Commercial: Mower – 1 year limited, Engine – 2 years. NOTE: Engine warranty is through Kawasaki USA, but administered by Toro Australia.

For additional technical and servicing information regarding this mower refer to Service Bulletin WBMSB 04/15, issued April 30, 2015.

ACCESSORIES AND ATTACHMENTS

Product	Model No.
WPM Product Cover	490-7462
Cup-Anti Scalp	125-8440
Rear Discharge Kit	130-9734

REGULAR MAINTANENCE ITEMS

Product	Part No.
Air Cleaner Pre-Cleaner and Filter Assembly	11029-0019
Spark Plug	NGK BPR5ES (or equivalent)
Engine Oil Filter	KW10761

Product	Type / Capacity
Engine Oil Type	Detergent 4-stroke engine oil, API service classification SH, SJ or equivalent. Viscosity: 10W-30
Engine Oil Capacity	Without filter change – 0.65 litre With filter change – 0.85 litre

Product	Part No.
Throttle Assembly	116-2248
Front Height of Cut Axle Bushing	121-1427
Height of Cut Lever Arm Key	121-1432
Height of Cut Lever Knob	125-1093
Fuel Tank Cap	109-6776
Grass Bag (without frame)	125-1030
Front Wheel	125-1080
Front & Rear Wheel Bearing (2 per wheel)	52-2450
Rear Wheel Assembly	125-1081
Rear Wheel Drive Pinion, 15 Teeth	110-9417
Blade- Brake-Clutch (BBC) Control Belt	110-1790
Blade- Brake-Clutch (BBC) Control Cable	125-8362
Traction Drive Belt	125-1011
Traction Drive Control Cable	125-8363
Standard Replacement Blade (Recycling)	108-3762-03
Blade Accelerator	125-1069-03
Blade Attaching Nuts (2 required)	127-6852
Trailing Shield	125-1007
Mulch Plug	125-1008

Blade Types

Blade Type	Part No.
Blade-Recycling (Standard), 21.0 inch	108-3762-03
Optional Atomic Blade	108-0954-03
Optional Bagging Blade	125-1072-03