



# Rake-O-Vac® Specifications\*

RAKE-O-VAC ENGINE DRIVE, MODEL 07050							
<b>POWER SUPPLY</b>	Kohler® Command Series CH235, 22 hp (16.4 kW) @ 3600 rpm, 4 cycle, air-cooled, V-twin cylinders, horizontal crankshaft with a 5.5" (14 cm) dry centrifugal clutch. Compression ratio: 8.5:1. Overhead placement valves; intake, forged high carbon steel, exhaust Stellite® faced. Hydraulic valve lifters. Full pressure 4 pint (2.3 liter) with filter, oil capacity. 12 volt, 15 amp alternator with solid state regulator/rectifier. Solid state electronic ignition system with electronically controlled spark advance. Tri-phase design with screen pre-cleaner, replaceable filter cartridge and dump valve.						
<b>FAN IMPELLER</b>	Centrifugal type housing, double inlet. Four alloy steel blades, 16" (41 cm) wide x 23 <sup>1</sup> / <sub>4</sub> " (59 cm) diameter, <sup>3</sup> / <sub>16</sub> " (4.8 mm) thick. High tensile, <sup>9</sup> / <sub>16</sub> " (4 cm) stress-proof steel shaft mounted in self-aligning sealed ball bearings. Blower discharge area: 255 in <sup>2</sup> (1645 cm <sup>2</sup> ).						
<b>DRIVE</b>	Banded double. B-80 drive belt direct from drive shaft to fan impeller drive shaft. Fan impeller runs at 1580 rpm [tip speed 9,720 ft/min. (2963 m/min.)] at 3250 engine rpm.						
<b>FAN HOOD</b>	Twin construction for uniform air distribution; 4.5" (11.4 cm) deep x 63" (160 cm) wide. Inlet area: 283 in <sup>2</sup> (1826 cm <sup>2</sup> ). Variable position, front weighted rubber flap.						
<b>REEL/BRUSH DRIVE</b>	Belted-double B-53 drive belt from engine to jack shaft. Banded (4) 3V cross section belt, from jack shaft to flex tip reel. Flex tip reel runs at 275 rpm [tip speed 1,355 ft./min. (413 m/min.)] at 3250 engine rpm.						
<b>MAIN FRAME</b>	All welded, structural, rectangular, 2" x 4" (5 cm x 10 cm) and 4" x 4" (10 cm x 10 cm), 11 gauge, steel tubing.						
<b>WHEELS AND TIRES</b>	High flotation type I-1 rib tread, 11L-14SL, 6 ply rating, tubeless construction mounted on 8" (20 cm) x 14" (36 cm) wheel with six bolt attachment. Inflation pressure 28 psi (1.9 bar).						
<b>HOPPER</b>	5.75 cu. yd. (4.4 m <sup>3</sup> ) volume; 18 gauge top section with 16 gauge bottom section - rib reinforced; full width, self-cleaning, semi-automatic dumping.						
<b>HITCH</b>	Pin type, <sup>3</sup> / <sub>4</sub> " (1.9 cm) diameter; adjustable vertical height for tractor hitches from 7 <sup>1</sup> / <sub>4</sub> " (18.4 cm) to 17 <sup>1</sup> / <sub>4</sub> " (43.8 cm) height.						
<b>FLEX TIP REEL</b>	Forward sweeping, 6 rows of teeth, all steel construction with replaceable <sup>3</sup> / <sub>16</sub> " (4.8 mm) extruded nylon teeth; each row containing 11 individually spring loaded flexible sets, 552 total teeth, 18 <sup>3</sup> / <sub>4</sub> " (48 cm) diameter reel, 61" (155 cm) wide, 1 <sup>1</sup> / <sub>8</sub> " (2.9 cm) diameter shaft set in self aligning sealed bearings. Reel supported by adjustable counterbalance springs and adjustable-gauge wheels. Gauge wheels aluminum construction with non-scuffing rubber tires operating on greaseable ball bearings; infinitely adjustable vertically.						
<b>DIMENSIONS</b>	<table border="1"> <thead> <tr> <th>Width</th> <th>Height</th> <th>Length</th> </tr> </thead> <tbody> <tr> <td>85.5" (217 cm)</td> <td>79.5" (202 cm)</td> <td>13'3" (4.0 m)</td> </tr> </tbody> </table>	Width	Height	Length	85.5" (217 cm)	79.5" (202 cm)	13'3" (4.0 m)
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85.5" (217 cm)	79.5" (202 cm)	13'3" (4.0 m)					
<b>WEIGHT</b>	2,160 lbs. (980 kg)						
<b>WARRANTY</b>	Two year limited warranty. Refer to the Operator's Manual for further details.						

OPTIONAL EQUIPMENT	
<b>HARD SURFACE BRUSH MODEL 07162</b>	Forward sweeping continuous, polypropylene bristle, floating action provided by spring counterbalance and gauge wheel height adjustment. Brush speed: 275 rpm [tip speed 1,370 ft./min. (417 m/min.)] at 3200 engine rpm.
<b>THATCHING REEL MODEL 07178</b>	Forward cutting all steel construction. 16 hardened, 12 gauge steel blades spaced 3 <sup>3</sup> / <sub>4</sub> " (9.5 cm), 16" (41 cm) O.D. x 61" (155 cm) wide. Kit includes self-aligning bearings, both drive sprocket (18 tooth) and reel sprocket (36 tooth), heavy duty #60 roller chain and idler; reel fitted with shear-bolt safety impact break-away at 36 tooth sprocket; [170 lbs. (77 kg)]. Reel - 532 rpm [tip speed 2,228 ft/min. (679 m/min.)] at 3250 engine rpm. Reel speed: 532 rpm [tip speed 2,228 ft/min. (679 m/min.)] at 3250 rpm.
<b>FLEX TIP REEL KIT MODEL 07164</b>	Description is the same as it reads above following: "Flex Tip Reel".

\* Specifications and design subject to change without notice. Products depicted in this literature are for demonstration purposes only. Actual products offered for sale may vary in design, required attachments and safety features. Consult your local Toro Distributor. "Stellite" is a trademark of Stoodly Deloro Stellite, Inc.

The Rake-O-Vac is manufactured in Tomah, WI ISO 9002 Certified Plant.

