California Environmental Protection Agency AIR RESOURCES BOARD	Briggs & Stratton Corporation	EXECUTIVE ORDER U-U-002-0375-1 New Off-Road Small Spark-Ignition Engines at or Below 19 Kilowatts

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapters 1 and 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: That the following equipment produced by the manufacturer is certified as described below. Production equipment shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE/EVAPORATIVE FAMILY	DISPLACEMENT (cc)	ENGINE CLASS	FUEL TYPE (CNG/LNG=compressed/liquefied natural gas LPG=liquefied petroleum gas)
2006	6BSXS.3442VM	344	4-stroke, ≥225 cc	Gasoline

DURABILITY HOURS	SPECIAL FEATURES & EMISSION CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION
500	Engine Modification	Riding Mower, Tractor, Generator Set

ENGINE CODES/MODELS (rated power in kilowatt, kW)	21A7 (7.6 kW), 21A8 (7.6 kW), 21A9 (7.6 kW), 21B7 (7.6 kW), 21B8 (7.6 kW), 21B9 (7.6 kW), 2107 (7.6 kW), 2108 (7.6 kW), 2117 (7.6 kW), 2118 (7.6 kW), 2127 (7.6 kW), 2128 (7.6 kW), 2129 (7.6 kW), 2137 (7.6 kW), 2138 (7.6 kW), 2147 (7.6 kW), 2148 (7.6 kW), 2149 (7.6 kW), 2157 (7.6 kW), 2158 (7.6 kW), 2159 (7.6 kW), 2167 (7.6 kW), 2168 (7.6 kW), 2169 (7.6 kW), 2177 (7.6 kW), 2178 (7.6 kW), 2179 (7.6 kW), 2187 (7.6 kW), 2188 (7.6 kW), 2197 (7.6 kW), 2198 (7.6 kW), 2199 (7.6 kW)

ABBREVIATIONS: EM=engine modification TWC/OC=three-way/oxidizing catalyst WUTWC/WUOC=warm-up TWC/OC O2S=oxygen sensor HO2S=heated O2S EGR=exhaust gas recirculation AIR=secondary air injection PAIR=pulsed AIR MFI=multi port fuel injection SFI=sequential MFI TBI=throttle body fuel injection DFI=direct fuel injection TC/SC=turbo/super charger CAC=charge air cooler 2(prefix)=parallel (2)(suffix)=in series

The following are the exhaust hydrocarbon plus oxides of nitrogen (HC+NOx), carbon monoxide (CO), and particulate matter (PM) emission standards (Title 13, California Code of Regulations, (13 CCR) Section 2403(b)), and certification emission levels in grams per kilowatt-hour (g/kW-hr), and permeation standard (13 CCR Section 2754(b)), and certification level in grams per square meter per day (g/m^2/day) for this engine/evaporative family or the component Executive Order. Engines or equipment models powered exclusively with alternative fuel as defined in Section 2751(b)(1) are exempt from complying with evaporative emission requirements. Engines within this engine family shall have closed crankcases in conformance with Section 90.109 of the "California Exhaust Emission Standards and Test Procedures for 2005 and Later Small Off-Road Engines," adopted September, 2003.

*=not applicable	HC+NOx (g/kW-hr)	CO (g/kW-hr)	PM (g/kW-hr)	FUEL HOSE PERMEATION (g/m^2/day)	
STANDARD	12.1	549	*	STANDARD	CERTIFICATION LEVEL OR COMPONENT EXECUTIVE ORDER
MAXIMUM FAMILY EMISSION LEVEL	11.0	*	*		
FAMILY EMISSION LEVEL	11.0	549	*		
CERTIFICATION LEVEL	7.6	352	*	15	G-05-016 G-05-017 G-05-018

BE IT FURTHER RESOLVED: That the family emission level(s) (FELs), as applicable, is an emission limit declared by the manufacturer for use in the averaging, banking and trading program and in lieu of an emission standard for certification. It serves as the applicable exhaust emission standard for determining compliance of any engine within this engine/evaporative family under 13 CCR Sections 2403(e)(1) and 2407(a).

BE IT FURTHER RESOLVED: That the manufacturer is certifying the listed engines to meet one or more of the manufacturer's requirements for emission reduction based on a plan submitted to and approved by the Executive Officer pursuant to 13 CCR Section 2403(c).

BE IT FURTHER RESOLVED: That for the listed equipment, the manufacturer has submitted, and the Executive Officer hereby approves, the information and materials to demonstrate certification compliance with 13 CCR Section 2404 and 2759 (labeling) and 13 CCR Sections 2405, 2406, 2760, and 2764 (emission control system warranty).

Equipment certified under this Executive Order must conform to all applicable California emission regulations.

Quarterly reports of engines produced in this engine family for sale in California shall be submitted to the Executive Officer no later than 45 days after the end of each calendar quarter.

This Executive Order is only granted to the engine/evaporative family and model-year listed above. Equipment in this family that is produced for any other model-year is not covered by this Executive Order.

This Executive Order hereby supersedes Executive Order U-U-002-0375 dated July 18, 2005.

Executed at El Monte, California on this 13 day of June 2007.

Annette Hebert, Chief
Mobile Source Operations Division

Model Year: 2006
Manufacturer: Briggs & Stratton Corporation
Engine Family: 6BSXS.3442VM

Issued:
Revised: 5/29/2005
E.O. Number: U-U-002-0375-1

Small Off-Road Engine Model Summary Form

Units for Table: kW

Worst Case?	47. Model Designation	48. Sales Code	49. Displ (cc)	50. Bore/ Stroke	51. Ignition Timing	52. Max Power	53. Rated Speed (RPM)	54. Rated Torque	55. Torque Speed (RPM)	56. Emiss Control Sys
	21A7	50-State	344	87.3/57.5	25	7.6	3600	22.6	2600	EM
X	21A8	50-State	344	87.3/57.5	25	7.6	3600	22.6	2600	EM
	21A9	50-State	344	87.3/57.5	25	7.6	3600	22.6	2600	EM
	21B7	50-State	344	87.3/57.5	25	7.6	3600	22.6	2600	EM
	21B8	50-State	344	87.3/57.5	25	7.6	3600	22.6	2600	EM
	21B9	50-State	344	87.3/57.5	25	7.6	3600	22.6	2600	EM
	2107	50-State	344	87.3/57.5	25	7.6	3600	22.6	2600	EM
	2108	50-State	344	87.3/57.5	25	7.6	3600	22.6	2600	EM
	2117	50-State	344	87.3/57.5	25	7.6	3600	22.6	2600	EM
	2118	50-State	344	87.3/57.5	25	7.6	3600	22.6	2600	EM
	2127	50-State	344	87.3/57.5	25	7.6	3600	22.6	2600	EM

Model Year: 2006
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Engine Family: 6BSXS.3442VM

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	2128	50-State	344	87.3/57.5	25	7.6	3600	22.6	2600	EM
	2129	50-State	344	87.3/57.5	25	7.6	3600	22.6	2600	EM
	2137	50-State	344	87.3/57.5	25	7.6	3600	22.6	2600	EM
	2138	50-State	344	87.3/57.5	25	7.6	3600	22.6	2600	EM
	2147	50-State	344	87.3/57.5	25	7.6	3600	22.6	2600	EM
	2148	50-State	344	87.3/57.5	25	7.6	3600	22.6	2600	EM
	2149	50-State	344	87.3/57.5	25	7.6	3600	22.6	2600	EM
	2157	50-State	344	87.3/57.5	25	7.6	3600	22.6	2600	EM
	2158	50-State	344	87.3/57.5	25	7.6	3600	22.6	2600	EM
	2159	50-State	344	87.3/57.5	25	7.6	3600	22.6	2600	EM
	2167	50-State	344	87.3/57.5	25	7.6	3600	22.6	2600	EM

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Units for Table: kW

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	2168	50-State	344	87.3/57.5	25	7.6	3600	22.6	2600	EM
	2169	50-State	344	87.3/57.5	25	7.6	3600	22.6	2600	EM
	2177	50-State	344	87.3/57.5	25	7.6	3600	22.6	2600	EM
	2178	50-State	344	87.3/57.5	25	7.6	3600	22.6	2600	EM
	2179	50-State	344	87.3/57.5	25	7.6	3600	22.6	2600	EM
	2187	50-State	344	87.3/57.5	25	7.6	3600	22.6	2600	EM
	2188	50-State	344	87.3/57.5	25	7.6	3600	22.6	2600	EM
	2197	50-State	344	87.3/57.5	25	7.6	3600	22.6	2600	EM
	2198	50-State	344	87.3/57.5	25	7.6	3600	22.6	2600	EM
	2199	50-State	344	87.3/57.5	25	7.6	3600	22.6	2600	EM