California Environmental Protection Agency AIR RESOURCES BOARD	BRIGGS & STRATTON CORPORATION	EXECUTIVE ORDER U-U-002-0251-1 New Off-Road Small Spark-Ignition Engines Below 25 Horsepower

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 engine and emission control systems produced by the manufacturer are certified for use in small off-road equipment. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	DISPLACEMENT (cc)	ENGINE CLASS	FUEL TYPE
2003	3BSXS.1901VF	190	4-Stroke, 65-225 cc, vertical crankshaft	Gasoline

DURABILITY HOURS	SPECIAL FEATURES & EMISSION CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION
N/A	Engine Modification	Pressure Washer, Generator Set

ENGINE MODELS (rated power in horsepower, hp)	SEE ATTACHED PAGE

The following are the 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 for this engine family in grams per brake horsepower-hour (g/bhp-hr). Engines within this family shall have closed crankcases in conformance with Part I, Section 18.(h) of the "California Exhaust Emission Standards and Test Procedures for 1995 and Later Small Off-Road Engines," last amended March 23, 1999.

(g/bhp-hr)	HC+NOx	CO	PM
STANDARD	12.0	350	N/A
FAMILY EMISSION LEVEL	N/A	N/A	N/A
CERTIFICATION LEVEL	9.6	269	N/A

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

Engines 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 family and model-year listed above. Engines in this family that are produced for any other model-year are not covered by this Executive Order.

This Executive Order hereby supersedes Executive Order U-U-002-0251 dated September 10, 2002.

Executed at El Monte, California on this 21ST day of August 2003.

Allen Lyons, Chief
Mobile Source Operations Division

ATTACHMENT

12G8 (2.9 hp)
1277 (3.4 hp)
1278 (3.4 hp)
1287 (3.4 hp)
1288 (3.4 hp)
1297 (3.2 hp)
1298 (3.2 hp)
12A8 (3.5 hp)
12B7 (3.5 hp)
12B8 (3.5 hp)
12C7 (2.9 hp)
12P8 (3.2 hp)
12T7 (3.4 hp)
12T8 (3.4 hp)
12U8 (3.5 hp)
12V8 (3.6 hp)
12W8 (3.4 hp)
12X8 (3.4 hp)
12Y8 (3.6 hp)
120H (3.5 hp)
121H (3.4 hp)
122H (3.6 hp)
12C8 (2.9 hp)
12D7 (2.9 hp)
12D8 (2.9 hp)
12F7 (3.5 hp)
12F8 (3.5 hp)
12G7 (2.9 hp)
12H7 (3.6 hp)
12H8 (3.6 hp)
12J7 (3.2 hp)
12J8 (3.2 hp)
12N8 (3.2 hp)
123H (2.9 hp)
124H (3.2 hp)
125H (3.2 hp)
12L7 (3.2 hp)
12L8 (3.2 hp)

Attachment 1 of 6

Model Year: 2003
Manufacturer: Briggs & Stratton Corporation
Engine Family: 3BSXS.1901VF

Issued:
Revised: 8/23/2002
E.O. Number: U-U-002-0251-1

Small Off-Road Engine Model Summary Form

Units for Table: bhp

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
X	12G8	50-State	190	68.0/51.8	18	2.9	3600	5.5	2400	EM
	1277	50-State	190	68.0/51.8	18	3.4	3600	5.5	2400	EM
	1278	50-State	190	68.0/51.8	18	3.4	3600	5.5	2400	EM
	1287	50-State	190	68.0/51.8	18	3.4	3600	5.6	2400	EM
	1288	50-State	190	68.0/51.8	18	3.4	3600	5.6	2400	EM
	1297	50-State	190	68.0/51.8	18	3.2	3600	5.5	2400	EM
	1298	50-State	190	68.0/51.8	18	3.2	3600	5.5	2400	EM
	12A8	50-State	190	68.0/51.8	18	3.5	3600	5.5	2400	EM
	12B7	50-State	190	68.0/51.8	18	3.5	3600	5.5	2400	EM
	12B8	50-State	190	68.0/51.8	18	3.5	3600	5.5	2400	EM
	12C7	50-State	190	68.0/51.8	18	2.9	3600	5.5	2400	EM

Attachment 2 of 6

Model Year: 2003
Manufacturer: Briggs & Stratton Corporation
Engine Family: 3BSXS.1901VF

Issued:
Revised: 8/22/2002
E.O. Number: U-U-002-0251-1

Small Off-Road Engine Model Summary Form

Units for Table:

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
	123H	50-State	190	68.0/51.8	18	2.9	3600	5.5	2400	EM
	124H	50-State	190	68.0/51.8	18	3.2	3600	5.5	2400	EM
	125H	50-State	190	68.0/51.8	18	3.2	3600	5.5	2400	EM

Model Year: 2003
Manufacturer: Briggs & Stratton Corporation
Engine Family: 3BSXS.1901VF

Issued:
Revised: 8/22/2002
E.O. Number: 4-4-002-0251-1

Small Off-Road Engine Model Summary Form

Units for Table:

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
	12C8	50-State	190	68.0/51.8	18	2.9	3600	5.5	2400	EM
	12D7	50-State	190	68.0/51.8	18	2.9	3600	5.5	2400	EM
	12D8	50-State	190	68.0/51.8	18	2.9	3600	5.5	2400	EM
	12F7	50-State	190	68.0/51.8	18	3.5	3600	5.5	2400	EM
	12F8	50-State	190	68.0/51.8	18	3.5	3600	5.5	2400	EM
	12G7	50-State	190	68.0/51.8	18	2.9	3600	5.5	2400	EM
	12H7	50-State	190	68.0/51.8	18	3.6	3600	5.5	2400	EM
	12H8	50-State	190	68.0/51.8	18	3.6	3600	5.5	2400	EM
	12J7	50-State	190	68.0/51.8	18	3.2	3600	5.5	2400	EM
	12J8	50-State	190	68.0/51.8	18	3.2	3600	5.5	2400	EM
	12N8	50-State	190	68.0/51.8	18	3.2	3600	5.5	2400	EM

Attachment 4 of 6

Model Year: 2003
Manufacturer: Briggs & Stratton Corporation
Engine Family: 3BSXS.1901VF

Issued:
Revised: 8/22/2002
E.O. Number: U-U-002-0251-1

Small Off-Road Engine Model Summary Form

Units for Table:

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
	12P8	50-State	190	68.0/51.8	18	3.2	3600	5.5	2400	EM
	12T7	50-State	190	68.0/51.8	18	3.4	3600	5.5	2400	EM
	12T8	50-State	190	68.0/51.8	18	3.4	3600	5.5	2400	EM
	12U8	50-State	190	68.0/51.8	18	3.5	3600	5.3	2400	EM
	12V8	50-State	190	68.0/51.8	18	3.6	3600	5.3	2400	EM
	12W8	50-State	190	68.0/51.8	18	3.4	3600	5.8	2400	EM
	12X8	50-State	190	68.0/51.8	18	3.4	3600	5.6	2400	EM
	12Y8	50-State	190	68.0/51.8	18	3.6	3600	5.5	2400	EM
	120H	50-State	190	68.0/51.8	18	3.5	3600	5.5	2400	EM
	121H	50-State	190	68.0/51.8	18	3.4	3600	5.6	2400	EM
	122H	50-State	190	68.0/51.8	18	3.6	3600	5.5	2400	EM

Attachment 5 of 6

Model Year: 2003
Manufacturer: Briggs & Stratton Corporation
Engine Family: 3BSXS.1901VF

Issued:
Revised: 7/9/2003
E.O. Number: U-U-002-0251-1

Small Off-Road Engine Model Summary Form

Units for Table:

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
	12C8									
	12D7									
	12D8									
	12F7									
	12F8									
	12G7									
	12H7									
	12H8									
	12J7									
	12J8									
	12L7	50-State	190	68.0/51.8	18	3.2	3600	5.5	2400	EM

Attachment 6 of 6

Model Year: 2003
Manufacturer: Briggs & Stratton Corporation
Engine Family: 3BSXS.1901VF

Issued:
Revised: 7/9/2003
E.O. Number: U-U-002-0251-1

Small Off-Road Engine Model Summary Form

Units for Table:

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
	12L8	50-State	190	68.0/51.8	18	3.2	3600	5.5	2400	EM
	12N8									
	12P8									
	12Q8									
	12T7									
	12T8									
	12U8									
	12V8									
	12W8									
	12X8									
	12Y8									