

## BOMBARDIER RECREATIONAL PRODUCTS

**EXECUTIVE ORDER U-W-008-0376**New Spark-Ignition Marine Engines

Pursuant to the authority vested in California Air Resources Board by Health and Safety Code Sections 43013, 43018, 43101, 43102 and 43104; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-19-095:

**IT IS ORDERED AND RESOLVED:** That the following new spark-ignition marine engine and emission control systems (ECS) produced by the manufacturer are certified as described below. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	FUEL TYPE	DISPLACEMENT (cc)	LEVEL OF CLEANLINESS		
2022	NBCXM1.638HN	Gasoline	1630	Super Ultra Low Emission ("Four Stars")		
EQUIPMENT APPLICATION		ECS & SPECIA	AL FEATURES	ENGINE TYPE		
Inboard (Jet Boat)		Dual Three Way ( Heated Oxy	uel Injection Catalytic Converter /gen Sensor tics-Marine System	4-Stroke		
ENGINE MODELS (rated power in kilowatts, kW)						

The following are the hydrocarbon plus oxides of nitrogen (HC+NOx) and carbon monoxide (CO) exhaust emission standards (Title 13, California Code of Regulations, (13 CCR) Section 2442(b)) and certification emission levels in grams per kilowatt-hour (g/kW-hr) for this engine family. Engines in this engine family shall discharge no crankcase emissions into the ambient atmosphere in conformance with 13 CCR Section 2442(b).

	HC+NOx (g/kW-hr)	CO (g/kW-hr)		
STANDARD	5.0	75.0		
CERTIFICATION LEVEL	2.4	59.8		

This engine family shall not be used to determine compliance through corporate averaging.

**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 Sections 2443.1, 2443.2 and 2443.3 (emission control, consumer, and environmental labels), Section 2444.2 (on-board engine malfunction detection system), and Sections 2445.1 and 2445.2 (emission control system warranty).

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

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.

Executed on this <u>23rd</u> day of July 2021.

Allen Lyons, Chief

Emissions Certification and Compliance Division

SIME Exhaust Model Summary Template (rev. 2020)

Date: \_09/02/2021\_

Engine Family: <u>NBCXM1.638HN</u>

Model Summary

For CARB Use Only Executive Order: U-W-008-0376

Attachment \_1\_\_\_of\_\_1\_\_ RC1: 10-28-21

		S14. Sales Codes (Check all appropriate)							
S12. Engine Model	S13. Engine Code	CA Only	49-State	50-State	S15. Engine Displacement (cc)	S16. Rated Power (kW)	S17. Rated Speed (RPM)	S18. Peak Torque (N-m)	S19. Peak Torque Speed (RPM)
Rotax ACE 130 ECT	Rotax ACE 130 ECT			X	1630	100	7300	166	6000
Rotax ACE 170 ECT	Rotax ACE 170 ECT			Х	1630	125.03	8000	168	6000
Rotax 1630 ACE - 100 ECT	Rotax 1630 ACE - 100 ECT			Х	1630	73.55	6250	121	5100
Rotax 1630 ACE - 170 ECT	Rotax 1630 ACE - 170 ECT			X	1630	125.03	7100	167	6000