

Freedom of the Seas (retrofit)

Ship type	Cruise ship
Shipowner	Royal Caribbean International (RCI)
Shipyard	Installation during normal operation



Main Dimensions

Dwt	10,600 t
GT	156,271
Capacity	156,271 GT
LOA	338.77 m
Beam	38.60 m
Draught	8.80 m

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Project type	Ship status	Design scope	Delivery year
Retrofit	Delivered	Concept, Basic	2016

Scope of Work for the Shipowner

- Concept and basic (approval) design of a scrubber retrofit for RCCL
- 3D coordination model of the the engine casing

Project Features

- Scrubber installation performed during normal operation
- Alfa Laval scrubber system

Additional Information

IMO number	9304033
Classification society	DNV
Technologies	Scrubber