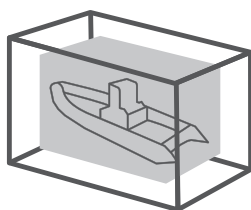


Mission Bay door

The Cube™



Multi-Mission Module

Retractable gull-wing type mission bay door designed for all weather conditions.

Reliability and speed are key

High reliability, maximum clear opening and opening/closing speed are essential features when designing mission bay doors for multipurpose naval vessels. In the design of this gull-wing type mission bay door, the SH Defence engineering team has applied its many years of experience designing for naval vessels.

Even though this high-quality mission bay door would be the perfect solution for any naval vessel, it has been optimised for the Cube™ Multi-Mission Module concept invented by SH Defence to enable flexible and cost-efficient vessel conversion.

The Cube™ consists of modular equipment that fits the footprint of 20' and 40' containers, enabling reconfiguration of vessels in less than 4 hours. All you need to do is unload the Cube™ modules that are no longer required and load the modules that support the vessel's next mission.

The mission bay door is available in two versions: one for 20' mission bays and one for 40' mission bays.

Easy access and deployment

The gull-wing design of the mission bay door ensures maximum loading clearance, enabling easy access to and deployment of Cubes™ and equipment stored in the mission bay. When closed, the door is 100% flush with the hull for minimum radar reflection.

The door is hydraulically operated and provided with weather protecting seals. Opening and closing times are approximately 1 minute.

Prepared for operation in cold temperatures

The door is locked using hydraulic cleats/batten system. To ensure safe and reliable operation of the door even in sub-zero temperatures, it is fitted with four ice breaker units in the form of push-out cylinders on the inside of the door.

Control

The fully integrated control system is provided with a failsafe logic controller with manual override capability.

Hydraulic power unit (HPU) for operation of the mission bay door can be supplied as an option.

Description	Value
Clear opening when 20' door is open (H x W)	6100 mm x 6510 mm
Clear opening when 40' door is open (H x W)	6100 mm x 12640 mm
Side door locking system	Hydraulic cleats/batten system
Seal type	Weather protecting
Gate retraction rail system	Hydraulic
Gate opening mechanism	Hydraulic cylinders
Feedback	Electrical end stop switch – all cylinders
Display	Control panel with push buttons and control lamps
Security/safety	Failsafe logic control system with manual override capability
Opening/closing cycle speed	1 min.
Ice breakers	Push-out cylinders in door bottom and side edges