

# PILOT DOOR



# TECHNICAL SPECIFICATION

## 1. GENERAL

The pilot doors are fitted in the side shell plating, one at port door and one at starboard side.

The pilot doors consist of folding type door and ladder reel with pilot ladder.

The doors are in closed position flush with the side sheel plating. And in open position the door stow inside with folded at folding hinge.

The doors are watertight by means of a sealing system, consisting of rubber gasket mounted indoor compressed by a stainless steel bar in coaming.

In closed position, the doors are secured by six(6) hydraulically operated cleating devices. In addition, These can be mechanically secured by 2 locking.

## 2. OPERATING SYSTEM

Each door has an independent hydraulic system with each power unit consisting of a electric motor and pump.

The operating time of opening or closing the door is not more than 1 min.

The ladder reel driven by electric motor with brake. The required winding time to wind of 9m of pilot ladder is of about 40 sec.

The platform above ladder reel stowing space to be operated by hydraulic cylinder.

## 3. CONTROL

The control of operation is performed from a control panel. Located adjacent to each side pilot door. The control panel includes switched and push buttons for maneuvering and cleating.

Operation of the driving and cleating cylinder are electrically operated solenoid valves.

The door and reel set control to be controlled at local control stand at near the door by push button on control cabinet.

The emergency operation using hand pump mounted on the power unit operable door opening/closing and cleat lock/unlock.

The status of door closed and secured to be indicated to wheel house monitoring panel. The mounting plate of wheel house indicating panel has indication lights ; door closed and cleating secured, watching for pump run and main electric fault.



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