

Electric Watertight Sliding Door
CONDOR Q-Line
(article code 442.)

Condor Q-line electric watertight sliding door

The fully electric watertight sliding door CONDOR is our new type of compact door. It is supplied as a completely finished and tested unit, ready for welding in. It combines the well known proven mechanical design of the doors, in standard sizes, with a standardized electrical drive system. ***This means there are less options but it turns out to be a cost saver for the yard without compromising on quality.***

The design and manufacture of CONDOR doors are in full compliance with the IMO/SOLAS safety regulations for cargo ships and passenger ships to fulfil the watertight integrity of the vessel and is type approved by all major classification societies.



Specifications (standard scope)

Available sizes

Height: min. 1600mm / max. 2100mm with interval of 50mm.
Width: min. 600mm / max. 1200mm with interval of 50mm.

Sill height

140 mm.

Water pressure

Limited to 10 mWc (i.e. test pressure).

Electrical system

IP 68 RAL 7032 watertight drive box with e-motors and local control and indication system. IP 68 position indicators open/closed. IP 66 sounder/flash light, both sides of door. Power supply: 400 VAC, 3ph, 50Hz or 440 VAC, 3ph, 60Hz normal supply: 24 VDC for control and indication system.

note: in case of SOLAS passengers ships (reg 15.7.3) the doors need to be connected to a ships UPS system capable to supply power to the doors enough for three movements of each door (UPS not Winel BV supply).

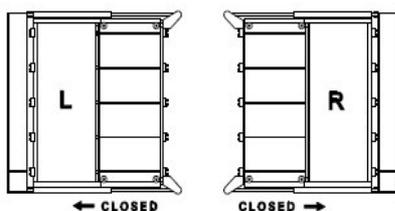
Surface treatment

Door frame and door plate: shotblasted SA2,5 and primed with one layer of Sigmaweld MC (30 mu).
Cylinders: shotblasted and primed. Catch blocks, rails, wheels and tank: galvanised.

Installation, operation and maintenance manual

Digital supplied on CD ROM in UK language (.pdf format). Also downloadable from our website www.winel.nl.

Sliding directions



Sliding direction:

L = left closing
R = right closing

All components are pre-mounted by Winel incl. local electric wiring unless otherwise specified. For detailed dimensions please download the scaled general arrangement of the door on AutoCAD format (free of charge).

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(article code 442.)****Available options****Wheelhouse panel (art. code 9534.4000.X; X=amount of doors)**

3mm aluminium mounting plate with black engraved letters/lines for installation on the bridge showing the location of the doors. Above mentioned plate is connected with 1,5 m cable to the relay plate on which the control components are placed. Panel is executed with a "master mode" switch to activate the central close command, indication lights open/closed, alarm indications for power loss, buzzer, accept alarm, dimmer and a led-test button. Panel has to be supplied with two separate power supplies (24 VDC normal supply and emergency supply), an automatic switchover is provided. Panel is executed with potential free contacts for interfacing to VDR. (For open-close and alarm signals).

General arrangement has to be provided with order in *dwg. format.

**Emergency station (art. code 340.008)**

Hand generator unit to close door from above bulkhead deck level.

Indication box for open and closed (red/green led) included welding plate and mounting material.

Centralised Emergency station (art. code 340.009.X; X=amount of doors)

All Hand generators and indication boxes for open/close indication combined in a pre-mounted central cabinet

Stainless steel sill plate for flush installation on deck (art. code 340.001)

Pre-mounted bolted hinged plate mounted on doorframe. Plate will be lifted up by doorplate during closing of the door. Recess to be provided by yard according available drawing (HD-SILL-003). Surface treatment: passivated.

Push button operation (art. code 340.002)

Instead of lever operation. IP 67 pushbutton boxes for installation on both sides of the door, loose supplied, complete with welding plate and mounting material.

Pre-mounting of local hand generators (art. code 340.010)

Normally the local hand generators are loose supplied. These can be pre-mounted by Winel BV using welding brackets located under the drive unit.

Hardcopy installation, operation and maintenance manual (art. code 340.004)

Hard copy in English language.

End layer paint inside bulkhead plate (art. code 340.005)

For easy painting on board the inside bulkhead plate can be painted in a final colour (to be advised by yard at order) before installation of the components.

End layer paint door and frame (art. code 340.006)

The complete doorframe and doorplate can be painted in a final colour (specification to be advised by yard at order). Note: Paint will be damaged during testing, transport and installation on board.

Remote closure indication box (art. code 340.007)

Consist of: Remote closure indication box (2x) showing warning on each side of the door that door is in central closed mode operation. IP67 box incl. red Led with text: 'remote controlled'. Incl. welding bracket (2x) & bolts (8x). Loose supplied. Only applicable on DNV classified doors.

**Electric Watertight Sliding Door
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(article code 442.)****General description/ operation & control**

The CONDOR is a compact door which means that complete the drive unit, consisting of a geared motor for normal supply, a 24VDC motor (for emergency drive above bulkhead), electrical control plate and control levers are pre-mounted on the bulkhead plate which is welded to the door frame. The Rail extensions with support and bolts, two local hand generators for emergency drive, wheelhouse panel and emergency station are loose supplied.

The system is designed to close or open the door between 20 - 40 seconds during normal operation and in 90 sec using the hand generators locally or from the emergency station above bulkhead deck.

Normal local operation

Local power operation by handle (optional pushbuttons) at either side of the bulkhead, closing and opening. "Door open" as well as "Door close" is active operated which means that the door will stop after the release of the handle (or pushbuttons). The motor is only running while the handle (or pushbuttons) is operated.

Emergency local operation

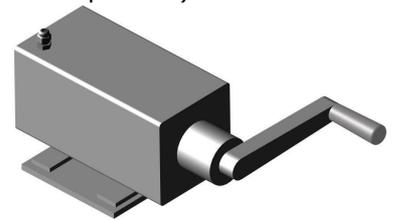
Local emergency operation using hand generators which are placed on both side of the bulkhead, to allow closing and opening. To close the door: turn the hand generator in the closing direction of the door. To open the door: turn the hand generator in the opening direction of the door.

Remote power operation

By master mode switch from the wheelhouse panel (optional). The main control in the wheelhouse is executed with a "master mode" switch with two modes of control. The 'doors closed' mode automatically re-closes the doors after they have been opened locally. (pre-warning of 5-10 seconds according SOLAS is provided). The 'local control' mode allows the doors to be opened locally without automatic re-closure.

Emergency remote operation (optional)

Emergency operation by hand generator, above bulkhead deck, closing only.

**Alarm/indication signals**

Locally there is an audible alarm (sounder) combined with a visual alarm (flash light). At the remote emergency station a visual indication (red/green lights) is present. The wheelhouse panel shows the location of the doors and is equipped with indication lights for open/close indication and alarm signalling incl. buzzer when main or control power supply is lost.

Packing

Doors are packed according our standard packing instructions, sealed on a wooden pallet.





// Available article codes:

Please specify article codes when asking for quotation or ordering as follows:

442.1.HxW	Q-line Condor Left closing	(HxW = clear opening in mm)
442.2.HxW	Q-line Condor right closing	(HxW = clear opening in mm)

Example code: 442.1.1850x850

Specify options	:	(art. code)
Specify water pressure	:	(maximised on 10 Mwc)
Specify Class Society	:	
Quantity	:	
Commissioning	:	Please specify if commissioning is to be included in quotation