

MAGIC DOOR SYSTEM

Magic Door is a smart system for sailing yachts transom door.

By a simply and lightweight double acting cylinder, with a smart pulley system, this product let you to have an hydraulic transom door on your boat.

Magic Door consists in a double acting cylinder with an ingenious 2:1 tackle system. The terminal rod has 4 sheaves in order to manage at the same time all the 4 sheets which drive the cars on the tracks.

The Magic Door can be used also to easy control the bath platforms reducing the space required for the technical room.

Lightweight

Magic door consist of a single hydraulic cylinder. All the ram components are made of lightweight hard coated aluminium. Rod and tube terminals sheaves are made of high strength plastic and Polizene®. Fittings and screws are in stainless steel in order to avoid any problem of rust.

Compact and easy to place on board

The double acting hydraulic ram can be placed in different ways in the boat garage: horizontal, vertical, port or star-board side, under the cockpit or on the bulkhead.

Safety

The Magic Door system manage the movements of the door; it is possible to stop the system in every moment without any risk. Moreover, the sheets work as a bumper to protect the system from waves hits and overloads.



SOLARIS 48' "CRAZY TOO" (above): customer rods link the transom door to the cars on the track of Magic Door system



Wally 80 "Inti" (former "Indio"):
Magic Door ram controls the bath platform

Magic Door cylinder is also available with a compact and lightweight installation kit

This CARITEC pack counts:

- the Magic Door double acting hydraulic cylinder
- tracks with sheaves and cars for double rods system (700mm stroke)
- Magic Door forehead pulley to drive the sheets to the tracks
- lightweight aluminium hydraulic power pack with integrated valves block and oil tank
- compact electric box with integrated power relay
- IP67 stainless steel push buttons to move up and down the transom door



MODEL	Bore		Stroke ⁽¹⁾		WP		Working load ⁽²⁾		Weight ⁽³⁾	
	mm	in	mm	in	bar	psi	kg	lbs	kg	lbs
CL 035 D 350	35	1.38	350	13.78	140	2000	1375	3032	2.5	5.51

(1) 350mm cylinder stroke. 700 mm cars stroke due to 2:1 tackle

(2) With 2:1 tackle the load on every car is split by half

(3) Double acting cylinder weight.

The overall weight of MagicDoor Kit is 9.8 kg (21.56 lb)

