

HYDRAULIC ELEVATORS



The advantages featured by the Hydraulic elevators with regard to the traditional mechanical pull type may be summarized as follows:

The load to be lifted and the weight gravitate on the building foundation, thus it is not necessary to provide a resistant structure to locate the elevator.

The power unit capable to elevate the load does not requires keeping a relative position with the elevating component, since the power is transmitted by means of a hydraulic liquid, driven by a suitable piping.

the system allows a maximum use of the surface since the useful space means practically a 90% of the available space.

Due to the fully preassembled supply, the Hydraulic Elevators HIDRAL require a minimum workmanship for mounting, with the subsequent saving in costs.

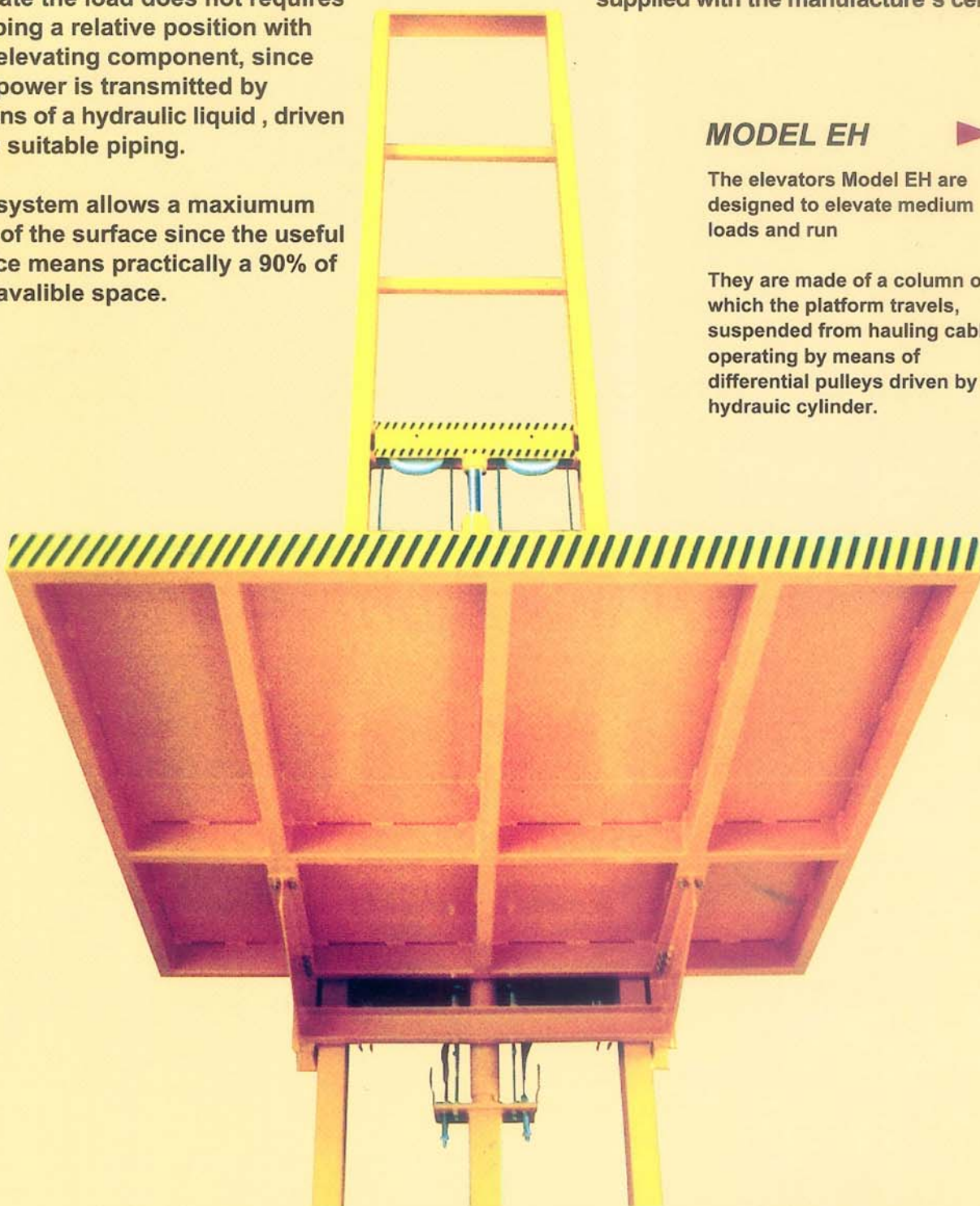
Our manufacturing program covers two groups of hydraulic elevators, model EH for small loads (100/1.500 Kgs.) and model EH-DC, up to 10.000 Kgs.

All our elevators not intended for persons are in accordance with the European machine directive, they are supplied with the manufacturer's certification.

MODEL EH

The elevators Model EH are designed to elevate medium loads and run

They are made of a column over which the platform travels, suspended from hauling cables, operating by means of differential pulleys driven by a hydraulic cylinder.



SLING constituted by amply dimensioned sections, with gusset plates for the platform. they have four rollers mounted on a ball bearings.

PLATFORM with rolled sections and nonslipping steel plate floor.

POWER UNIT constituted by a monobloc assembly. It includes the oil tank, electric motor of 1.500 r.p.m., driving pump, antireturn valve, safety valve, electrovalve, intake filter and devaporator. All parts are mounted on the tank cover for an easy revision.

CONTROL BOARD in a metallic cabinet, outfit with first quality electrical gear. The control auxiliary elements, limit switch, buttons, etc., are of industrial type and of great reggedness.

SAFETY ELEMENTS. Our Lifters are equipped with safety system against cable ruptures, producing the shutdown of the electrical control system, even at cables stretching. In the case of beaking of the oil piping, the Lift descends to the lowest level without speed increase. Under a load excess a safety valve will actuate.

SUPPLY. Our Lifts are supplied practically mounted and ready for their installation. All the necessary equipment and accesories for the total mounting and perfect functioning are included

GUARANTY. All the equipment is guaranteed against any product fault.



CHARACTERISTICS

GUIDES of the plataform, with parallel wing sections; the Differential Head guides with especial calibrated T section. The guides are anchored on their upper, lower and middle parts with adequate fastenings.

DIFFERENTIAL HEAD. It constitutes the support of the pulling blocks, wich lift the plataform to a height double than the Hydraulic Cylinderrange.

ROPES. 160 kg/.mm2 steel cables. Composition 6x37+I.

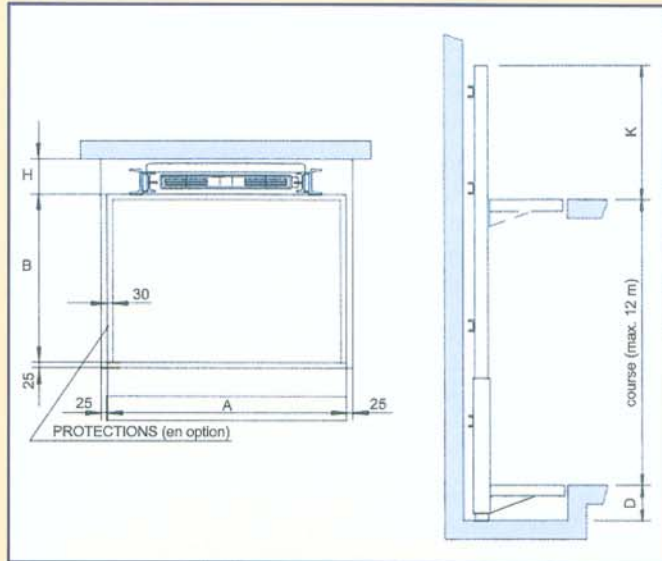
HYDRAULIC CYLINDER. Single effect hydraulic cylinder with chromed stem (30 microns) and mirror finish surface. First quality sealing elements

MODEL EH-DC

For a big loads, it is constituted by two EH traction units. It has a patented system of compensation of the shifting of the Hydraulic Cylinders

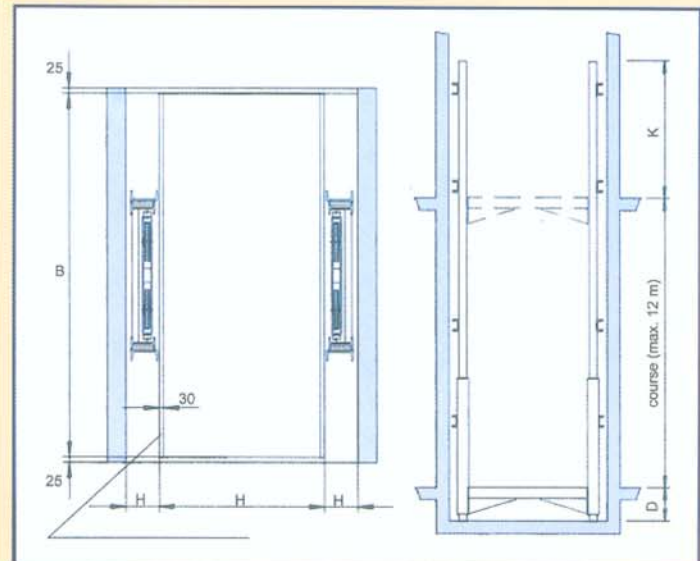


EH



3 sides available like entrances

EH-DC



2 sides available like entrances

Dimensions

Model	Load (Kg)	A min.	A max.	B max.	H	D	K max.	Motor Power (kW)	
								v=0.1 m/s	v=0.2 m/s
EH-500	100	950	2100	1400	200	230	1170	0.37	0.75
	200	950	2100	1400	200	230	1170	0.55	1.10
	300	950	2100	1400	200	230	1170	0.75	1.10
	400	950	2100	1400	200	230	1170	0.75	1.50
	500	950	2100	1400	200	230	1170	1.10	2.20
	750	950	2100	1500	200	300	1600	1.50	3.00
EH-1500	1000	1250	2800	2000	250	380	2120	2.20	4.00
	1500	1250	2800	2000	250	380	2120	3.00	5.50
	2000	1250	2800	2000	250	380	2120	4.00	7.50

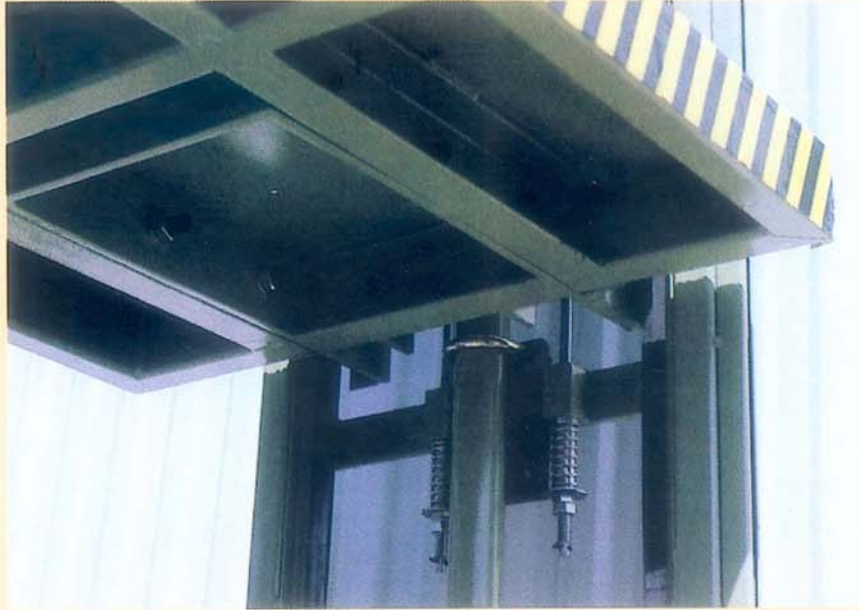


Dimensions

Modèle	Load (Kg)	A max.	B min.	B max.	H	D min.	K max.	Motor Power (kW)	
								v=0.1 m/s	v=0.2 m/s
EH-DC-1000	1000	2000	1200	3000	200	350	1600	2.20	5.50
	1500	2000	1200	4000	200	350	1600	3.00	7.50
EH-DC-3000	2000	2500	1500	6000	250	700	2200	4.00	9.20
	3000	3000	1500	6000	250	700	2200	5.50	11.00
EH-DC-5000	4000	3000	1500	6000	250	700	2500	9.50	17.50
	5000	3000	1500	6000	250	700	2500	11.40	22.40



Please check with us any elevation problems that might come up, with the assurance that we will be very happy to attend to you.



Modern industry requires each day new techniques and more rationalized components, simplifying projects and workmanship, saving time and space and thus reducing costs.

Therefore, by pretending to solve the loading industrial elevation, strict characteristics are required without being conditioned to special studies to fit the system, both in the structural aspect and available space.

One of these valuable components is the new Hydraulic elevator HIDRAL that we are introducing to you today. It is a new technical concept, capable to satisfy the hardest requirements, competing favourably with the mechanical elevation systems that may be used.

