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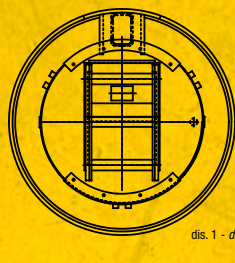
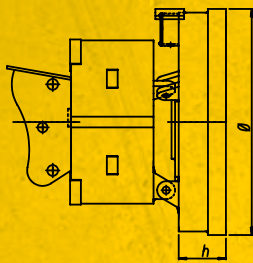
# HYDRAULIC-CIRCULAR ELECTROMAGNETIC LIFTERS

Our Hydraulic Magnet is a compact all-in-one unit for heavy duty steel and iron handling. The electromagnet includes an hydraulic generator and the controller, making the unit very easy and quick to install and uninstall. This magnet can be mounted on different mobile cranes so you can have just one magnet for several machines.

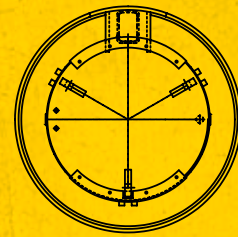
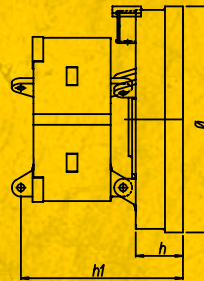
The Hydraulic Magnet is easy to fix and can be hooked either on the excavator boom or attachment by means of chains, or, alternatively, mounted to the boom with a quick connect adaptor.

The system is controlled hydraulically just switching ON and OFF the machines oil flow. There are no electrical connections. The needed hydraulic flow is taken from the attachment's supply line or any other service line for example breaker or tilt bucket line. The magnet is magnetized when the hydraulic oil flows in the generator and demagnetized when the hydraulic oil flow is cut off.

The controller provides an automatic counter- excitation that ensure a very fast releasing of the material. The return pressure line should not exceed 5 bars. It's compulsory to make a direct line to the machine tank avoiding to pass through valves or filters.



dis. 1 - drw. :



dis. 2 - drw. :

Type	Absorbed power at 20°C	Nominal voltage Vdc	Weight Kg	Total weight Kg	Sizes mm.			Tear-off force at hot (1) with air gap Ø/300	Lift cap when hot (2)		Average capacity when hot			
					Ø	h	h1		Slabs or bloks Kg	Drop ball Kg	Cast iron pigs Kg	Scrap		
												3A 2,2 ÷ 2,5 T/m Kg	24 1,9 ÷ 2 T/m Kg	40 0,8 ÷ 1 T/m Kg
EC70HD	3	220	265	430	720	215	740	5500	2700	950	105	80	70	40
EC90HD	4	220	450	750	900	225	865	7900	3900	1380	160	160	130	70
MRS90HD	4,9	220	680	955	960	215	855	10500	5250	2300	230	200	190	100
MRS100HD	5,5	220	780	1085	1060	215	855	11500	5750	2600	280	255	240	120
MRS110HD	7	220	890	1200	1140	215	855	13000	6500	3000	320	290	280	140
MRS125HD	9	220	1100	1420	1250	235	875	15000	7500	3500	490	440	410	210

Modello	Alimentation hydraulique	
	Type	Oil pressure bar
EC70HD	18	200
EC90HD	32	200
MRS90HD	32	200
MRS100HD	32	200
MRS110HD	48	200
MRS125HD	48	200

Dimensions in the table only refer to drawing 2. Drawing 1's dimensions depend by quick connect system, which is different for each excavator manufacturer.

1) According to VDE 0580

2) Determined after 5 hours of intermittent working at 50%, at 20°C, according VDE 0580

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