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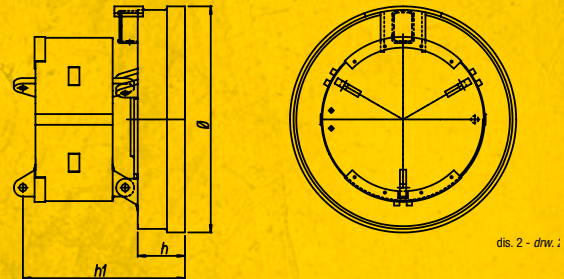
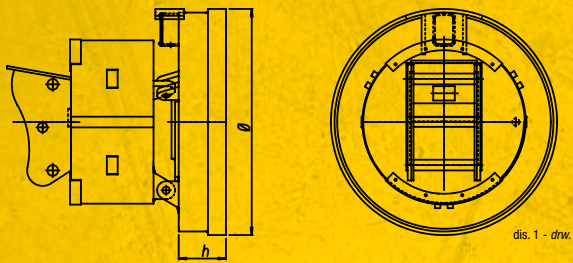
HYDRAULIC-CIRCULAR ELECTROMAGNETIC LIFTERS

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.



| 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 | |
|----------|--------------------------|------------------|
| | Oil delivery l/min | 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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