



RECTANGULAR LIFTING MAGNETS, Type AM for lifting of plates, stacks, slabs, etc.



This classical type lifting magnet has been designed for lifting of slabs or plates, magnet will be manufactured in two different version, first with head plates made of unmagnetic manganese steel, resulting advantage especially for small size magnets is additional space for magnet coil and second made of ferromagnetic steel, here head poles will attract material as well, resulting in higher max. pull-off strength, respectively higher lifting capacity. This data sheet only shows small range of different sizes being manufactured by us, once having got description of your

application, we will offer most suitable type of magnet from technical and economical point of view, tailored to your specific requirements. AdobA quality design with 75 % D.C., class "C" insulation, anodized aluminum strip coil and silicone casting compound is obligatory.

| AM | nominal power kW | nominal voltage VDC | lifting capacity* kg | pull-off strength* daN | dead weight kg | magnetic field depth mm | dimension | | | |
|-----------|---------------------|------------------------|-------------------------|---------------------------|-------------------|----------------------------|-----------|----------|---------|---------|
| | | | | | | | L1 mm | L2 mm | W mm | H mm |
| 80/40/16 | 2,1 | 110 | 6.000 | 12.000 | 290 | 35 | 800 | 810 | 400 | 160 |
| 80/45/18 | 2,6 | 110 | 9.000 | 18.000 | 400 | 50 | 800 | 812 | 450 | 180 |
| 80/58/24 | 3,1 | 110 | 14.000 | 28.000 | 730 | 80 | 800 | 816 | 580 | 240 |
| 100/36/18 | 2,6 | 110 | 8.000 | 16.000 | 370 | 35 | 1.000 | 1.012 | 360 | 180 |
| 100/45/20 | 3,2 | 110 | 11.000 | 22.000 | 530 | 50 | 1.000 | 1.016 | 450 | 200 |
| 100/55/27 | 3,6 | 110 | 18.000 | 36.000 | 960 | 80 | 1.000 | 1.020 | 550 | 270 |
| 120/36/18 | 3,1 | 110 | 9.000 | 18.000 | 440 | 35 | 1.200 | 1.212 | 360 | 180 |
| 120/48/20 | 3,6 | 110 | 13.500 | 27.000 | 660 | 50 | 1.200 | 1.216 | 480 | 200 |
| 120/56/27 | 4,1 | 110 | 22.000 | 44.000 | 1.200 | 80 | 1.200 | 1.220 | 560 | 270 |
| 140/39/18 | 3,5 | 110 | 11.000 | 22.000 | 540 | 35 | 1.400 | 1.416 | 390 | 180 |
| 140/47/20 | 4,1 | 110 | 16.000 | 32.000 | 760 | 50 | 1.400 | 1.420 | 470 | 200 |
| 140/62/23 | 5,1 | 220 | 25.000 | 50.000 | 1.280 | 80 | 1.400 | 1.424 | 620 | 230 |
| 160/38/18 | 4,1 | 110 | 12.500 | 25.000 | 600 | 35 | 1.600 | 1.620 | 380 | 180 |
| 160/46/20 | 5,2 | 220 | 18.000 | 36.000 | 850 | 50 | 1.600 | 1.624 | 460 | 200 |
| 160/58/24 | 5,9 | 220 | 29.000 | 58.000 | 1.450 | 80 | 1.600 | 1.630 | 580 | 240 |
| 180/40/20 | 5,3 | 220 | 14.000 | 28.000 | 750 | 35 | 1.800 | 1.820 | 400 | 200 |
| 180/46/22 | 5,7 | 220 | 20.000 | 40.000 | 1.030 | 50 | 1.800 | 1.824 | 460 | 220 |
| 180/60/24 | 6,8 | 220 | 33.000 | 66.000 | 1.650 | 80 | 1.800 | 1.830 | 600 | 240 |
| 200/42/20 | 6,1 | 220 | 16.000 | 32.000 | 870 | 35 | 2.000 | 2.020 | 420 | 200 |
| 200/47/22 | 6,8 | 220 | 23.000 | 46.000 | 1.250 | 50 | 2.000 | 2.024 | 470 | 220 |
| 200/60/26 | 7,7 | 220 | 36.000 | 72.000 | 1.950 | 80 | 2.000 | 2.030 | 600 | 260 |

* mentioned slab lifting capacity and pull-off strength is referring to optimum conditions in accordance to German standard DIN-VDE 0580 (width / 300); effective performance will vary with specific operating conditions