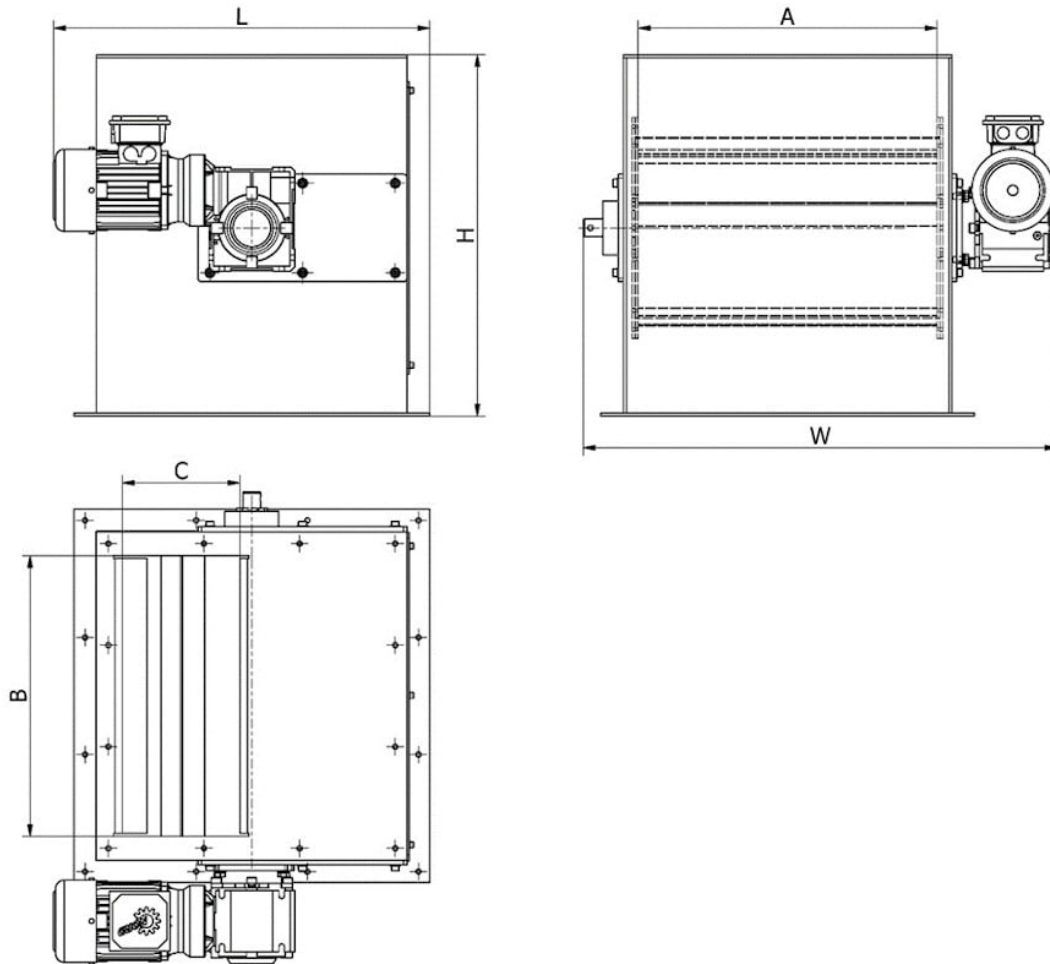


# Datasheet MBZ-EKO 506 F 700



| Model              | Flow capacity<br>(m <sup>3</sup> /h) | Weight (kg) | Dimensions (mm) |      |     |      |     |      |
|--------------------|--------------------------------------|-------------|-----------------|------|-----|------|-----|------|
|                    |                                      |             | A               | B    | C   | W    | L   | H    |
| MBZ-EKO 506 F 500  | 70                                   | 825         | 500             | 470  | 300 | 860  | 930 | 1005 |
| MBZ-EKO 506 F 600  | 85                                   | 530         | 600             | 570  | 300 | 960  | 930 | 1005 |
| MBZ-EKO 506 F 700  | 105                                  | 580         | 700             | 670  | 300 | 1060 | 930 | 1005 |
| MBZ-EKO 506 F 800  | 125                                  | 630         | 800             | 770  | 300 | 1160 | 930 | 1005 |
| MBZ-EKO 506 F 900  | 145                                  | 680         | 900             | 870  | 300 | 1260 | 930 | 1005 |
| MBZ-EKO 506 F 1000 | 180                                  | 730         | 1000            | 970  | 300 | 1360 | 930 | 1005 |
| MBZ-EKO 506 F 1100 | 215                                  | 780         | 1100            | 1070 | 300 | 1460 | 930 | 1005 |
| MBZ-EKO 506 F 1200 | 250                                  | 830         | 1200            | 1170 | 300 | 1560 | 930 | 1005 |
| MBZ-EKO 506 F 1300 | 285                                  | 880         | 1300            | 1270 | 300 | 1660 | 930 | 1005 |

| <b>Parameter name</b>  | <b>Value</b>  |
|--|---|
| Description:   | Magnetic drum in a housing  |
| Separator placement:   | under the conveyor belt, under the feeding hopper, inside of a pipeline |
| Application (= the material that the application of this separator is suitable for):                           | bulk material   |
| Material flow direction):  | vertical, horizontal  |
| Recommended for the belt of max. width (across the conveyor belt) (mm):  | 700   |
| Maximum effective reach of the magnetic field (mm):  | 30  |
| Built-in standard magnet type:   | ferrite magnet  |
| Max. magnetic induction (G) on the surface of tube (+/- 10 %):   | 1450  |
| Magnetic flux (G) on the magnetic core (+/- 10 %):   | 2800  |
| Maximum capacity. The mentioned capacities are informative and non binding (m3/h):                             | 105   |
| Weight of the separator (kg):  | 580   |
| Connecting dimension, inlet and outlet diameter of the separator (mm):   | 700   |
| Standard connection of the separator:  | square flange, suspension holes   |
| Separator is suitable also even for the materials of poor bulk properties:                                     | yes   |
| Minimum size of the particles that can be captured by the separator (mm):                                      | 1.5   |
| Maximum size of the particles that can be captured by the separator (mm):                                      | 50  |
| Max. operating temperature (°C):   | 100   |
| Min. surrounding ambient temperature (°C):   | -25   |
| Max. surrounding ambient temperature (°C):   | 45  |
| Material of the sealing:   | silicone + NBR  |
| Separator is suitable for vacuum or pressure conveying lines:  | no  |
| Separator is suitable for materials transported by:  | conveyor belt, gravity, pipeline  |
| Separator is able to capture paramagnetic particles:   | no  |
| Separator is suitable for abrasive materials (1 = strongly abrasive, 2 = slightly abrasive, 3 = non-abrasive): | 2   |

|   |   |
|---|---|
| Separator is suitable for materials that tend to solidify (the materials must be heated): | no  |
| Separation of non-ferrous metals:   | no  |
| Standard requirements for the installation:   | electricity supply corresponding with the motor parameters  |
| Cleaning of the separator:  | fully automatic cleaning, it is not necessary to interrupt the material flow during the cleaning                              |
| Material of the separator body (that is in contact with the material):                    | DIN 1.4301  |
| ATEX (on request):  | zone 21, 22   |
| Outer surface treatment of the separator:   | sandblasted   |
| Inner surface treatment of the separator:   | clean steel (no surface treatment) + sandblasted  |
| Magnetic system:  | magnetic drum   |
| Motor brand:  | Nord  |
| Main motor input (kW):  | 1.1   |
| Definition of the main motor electrical connection:                                       | 400 V, AC, 50 Hz, , PE-N, TN-C-S, circuite breaker 3F/32A   |
| Available motor variants (the variant mentioned as the first is the standard one):        | elcktromotor  |
| Degree of motor protection (against dust and water):                                      | IP55  |
| Rotational speed of the engine (rev/min):   | 28  |
| Bearings:   | SNR   |
| Availbe lubrication methods for the bearings:   | manua   |
| Standard electrical equipment of the separator:   | no external electric cable, no frequency convertor, no electric switchboard, wiring is terminated at the motor screw terminal |
| Options of the extended anti-abrasion protection:   | chemical nickel coating, plastic coating, rubberizing, ceramic lining   |
| Other standard parameters:  |   |
| Other additionally paid options:  | device for manual setting of the position of the magnetic core, dust extraction opening, inner polishing                      |
| Max. operation time (hours/day):  | 24  |
| Max. production time for a standard version (if not available in stock) (weeks):          | 8   |
| Standard packing:   | pallet + stretch wrap   |
| Other packing modes (surcharged options):   | wooden box, maritime packing according to clients needs   |
| Warranty (months):  | 60  |

The guarantee does not apply to:

driveline, bearings, magnetic drum surface, wear parts (rubber dampers, seals)

This product can be delivered also in different dimensions, in the versions with a higher temperature resistance, different magnets etc. upon a special request. The mentioned capacity is only approximative and depends on the type of the cleaned material. The maximum effective reach of the magnetic field is measured from the surface of the magnetic drum. Maximum material limit (MMC): 50 x 50 x 50 mm