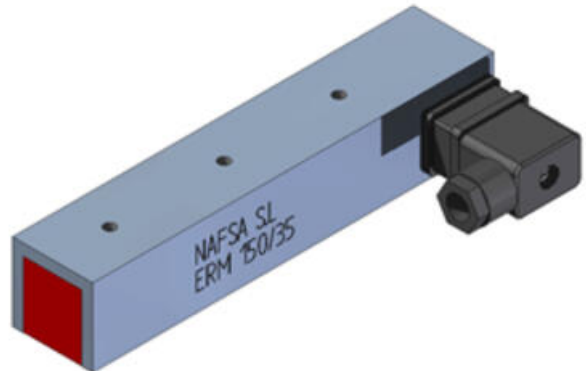


## NAFSA - ERM SERIES

ERM600/35

- Rectangular holding magnet
- Class B winding (130°C)
- 100% duty cycle
- Up to 7450N force
- Customer specific version available



### PRODUCT DESCRIPTION

The ERM series holds when a voltage is applied

When the voltage is removed, the holding force is released.

Please ensure safe operating conditions are met when using this type of holding electromagnet

### TECHNICAL DATA

|                  |           |
|------------------|-----------|
| Duty cycle       | 100 %     |
| Insulation class | B (130°C) |
| IP class         | IP65      |
| Power            | 53 W      |
| Total weight     | 4500 g    |
| Voltage dc max   | 24 V      |

| TYPE      | P at 20°C (W) | e (mm) | Airgap (mm) |      |      |     |     |                       |
|-----------|---------------|--------|-------------|------|------|-----|-----|-----------------------|
|           |               |        | 0           | 0,1  | 0,2  | 0,5 | 1   |                       |
| ERM100/35 | 1             | 32     | 22          | 12   | 8    | 6   | 6   | Magnetic force Fm (N) |
|           | 3             | 396    | 308         | 120  | 45   | 8   | 8   |                       |
|           | 6             | 694    | 320         | 190  | 52   | 12  | 12  |                       |
|           | 10            | 752    | 468         | 235  | 60   | 18  | 18  |                       |
| ERM150/35 | 1             | 65     | 50          | 30   | 21   | 14  | 14  |                       |
|           | 3             | 769    | 580         | 220  | 82   | 17  | 17  |                       |
|           | 6             | 1090   | 657         | 365  | 90   | 21  | 21  |                       |
|           | 10            | 1450   | 904         | 490  | 116  | 35  | 35  |                       |
| ERM200/35 | 1             | 80     | 60          | 42   | 28   | 14  | 14  |                       |
|           | 3             | 928    | 720         | 260  | 94   | 20  | 20  |                       |
|           | 6             | 1400   | 810         | 480  | 121  | 27  | 27  |                       |
|           | 10            | 1756   | 1108        | 660  | 136  | 46  | 46  |                       |
| ERM400/35 | 1             | 172    | 131         | 91   | 60   | 35  | 35  |                       |
|           | 3             | 2108   | 1460        | 537  | 210  | 45  | 45  |                       |
|           | 6             | 3060   | 1722        | 962  | 263  | 60  | 60  |                       |
|           | 10            | 3810   | 2371        | 1297 | 304  | 83  | 83  |                       |
| ERM500/35 | 1             | 210    | 150         | 100  | 60   | 36  | 36  |                       |
|           | 3             | 2323   | 1806        | 674  | 234  | 56  | 56  |                       |
|           | 6             | 3540   | 2100        | 1114 | 295  | 70  | 70  |                       |
|           | 10            | 4423   | 2745        | 1501 | 330  | 117 | 117 |                       |
| ERM600/35 | 1             | 226    | 173         | 90   | 68   | 40  | 40  |                       |
|           | 3             | 2653   | 2053        | 705  | 266  | 66  | 66  |                       |
|           | 6             | 4053   | 2256        | 1286 | 346  | 80  | 80  |                       |
|           | 10            | 5026   | 3100        | 1806 | 400  | 120 | 120 |                       |
| ERM150/60 | 1             | 140    | 112         | 102  | 75   | 50  | 50  |                       |
|           | 3             | 730    | 680         | 600  | 445  | 150 | 150 |                       |
|           | 6             | 1800   | 1490        | 1100 | 610  | 200 | 200 |                       |
|           | 10            | 1960   | 1500        | 1250 | 650  | 210 | 210 |                       |
| ERM200/60 | 1             | 205    | 165         | 155  | 116  | 72  | 72  |                       |
|           | 3             | 1130   | 990         | 890  | 680  | 250 | 250 |                       |
|           | 6             | 2550   | 2160        | 1800 | 854  | 280 | 280 |                       |
|           | 10            | 2760   | 2300        | 1870 | 900  | 300 | 300 |                       |
| ERM500/60 | 1             | 553    | 440         | 397  | 310  | 190 | 190 |                       |
|           | 3             | 3150   | 2630        | 2320 | 1600 | 780 | 780 |                       |
|           | 6             | 7250   | 5870        | 4850 | 2380 | 850 | 850 |                       |
|           | 10            | 7450   | 5950        | 4820 | 2410 | 910 | 910 |                       |

| TYPE      | A   | B      | C        | D  | E   | F  | H   | N° of holes | Compression gland | Weight(kg) |
|-----------|-----|--------|----------|----|-----|----|-----|-------------|-------------------|------------|
| ERM100/35 | 125 | 10     | 10       | 2  | 0.9 | 1  |     |             |                   |            |
| ERM150/35 | 175 | 10     | 10       | 3  | 1   |    |     |             |                   |            |
| ERM200/35 | 225 | 10     | 10       | 4  | 1.5 |    |     |             |                   |            |
| ERM400/35 | 425 | 35±0.3 | 34±0.1   | 25 | 50  | 12 | M-6 | 4           | PG-9              | 2.8        |
| ERM500/35 | 525 |        |          |    |     | 12 |     | 10          |                   | 3.5        |
| ERM600/35 | 625 |        |          |    |     | 12 |     | 12          |                   | 4.6        |
| ERM150/60 | 180 |        |          | 40 | 70  | 12 | M-6 | 2           |                   | 2.3        |
| ERM200/60 | 230 | 60±0.1 | 49.5±0.2 | 40 | 120 | 12 |     | 2           | PG-11             | 3          |
| ERM500/60 | 530 |        |          | 70 | 120 |    |     | 4           |                   | 7.8        |

