

ELECTRICAL DATA

Asynchronous three-phase motors, squirrel-case rotor.

External cooling IC 411, continuous service S1.

Isolating class 155(F), protection grade IP 55.

Aluminum motors **IE2-MS** series

Cast iron motors **IE2-EG** series

Synchronous speed 3000 rpm - 2 poles

400 V, 50 Hz

| TYPE | Power | | M _N N.m | n rpm | IE2 efficiency class EN 60034-2-1 | | | I _N 400 V A | I _A /I _N | Cosφ | M _A /M _N | M _K /M _N | J Kgm ² | Noise level dB(A) | m Kg |
|-----------------|-------|-----|-----------------------|----------|--------------------------------------|------|------|------------------------------|--------------------------------|------|--------------------------------|--------------------------------|-----------------------|-------------------------|---------|
| | kW | CV | | | 100% | 75% | 50% | | | | | | | | |
| IE2-MS 80 1-2 | 0.75 | 1 | 2.5 | 2865 | 79.3 | 78.8 | 75.3 | 1.84 | 6.5 | 0.74 | 2.65 | 2.95 | 0.00092 | 67 | 9.8 |
| IE2-MS 80 2-2 | 1.1 | 1.5 | 3.7 | 2865 | 81.1 | 80.7 | 77.2 | 2.55 | 6.2 | 0.77 | 2.5 | 2.6 | 0.00010 | 67 | 10.6 |
| IE2-MS 90 S-2 | 1.5 | 2 | 5 | 2875 | 81.4 | 80.9 | 78 | 3.2 | 6.5 | 0.83 | 2.5 | 2.9 | 0.00160 | 72 | 13.9 |
| IE2-MS 90 L-2 | 2.2 | 3 | 7.3 | 2885 | 83.3 | 82.4 | 79 | 4.8 | 7.2 | 0.80 | 2.9 | 3 | 0.00193 | 72 | 16.7 |
| IE2-MS 100 L-2 | 3 | 4 | 9.9 | 2900 | 84.7 | 84.2 | 83.2 | 5.9 | 8.5 | 0.87 | 2.9 | 2.5 | 0.00554 | 76 | 24.8 |
| IE2-MS 112 M-2 | 4 | 5.5 | 13.1 | 2910 | 86 | 85.2 | 84.5 | 7.69 | 8.4 | 0.87 | 2.6 | 3.3 | 0.00586 | 77 | 30.0 |
| IE2-MS 132 S1-2 | 5.5 | 7.5 | 17.8 | 2950 | 87.7 | 86.4 | 82.2 | 10.88 | 9.8 | 0.83 | 4 | 5 | 0.01438 | 80 | 45.4 |
| IE2-MS 132 S2-2 | 7.5 | 10 | 24.4 | 2935 | 89.7 | 89.1 | 86.9 | 13.6 | 10.5 | 0.89 | 3 | 3.8 | 0.01670 | 80 | 53.8 |
| IE2-EG 160 M1-2 | 11 | 15 | 35.9 | 2930 | 89.4 | 89.3 | 87.8 | 19.9 | 8.1 | 0.89 | 2.2 | 2.3 | 0.0489 | 81 | 123 |
| IE2-EG 160 M2-2 | 15 | 20 | 48.9 | 2930 | 90.3 | 90.2 | 88.8 | 26.9 | 8.1 | 0.89 | 2.2 | 2.3 | 0.0559 | 81 | 132 |
| IE2-EG 160 L-2 | 18.5 | 25 | 60.3 | 2930 | 90.9 | 90.8 | 89.5 | 33 | 8.1 | 0.89 | 2.2 | 2.3 | 0.0648 | 81 | 151 |
| IE2-EG 180 M-2 | 22 | 30 | 71.5 | 2940 | 91.3 | 91.2 | 89.9 | 38.6 | 8.1 | 0.88 | 2 | 2.3 | 0.0808 | 83 | 203 |
| IE2-EG 200 L1-2 | 30 | 40 | 97.1 | 2950 | 92 | 91.9 | 90.7 | 52.3 | 8.1 | 0.88 | 2 | 2.3 | 0.1630 | 84 | 246 |
| IE2-EG 200 L2-2 | 37 | 50 | 120 | 2950 | 92.5 | 92.4 | 91.3 | 64.1 | 8.1 | 0.89 | 2 | 2.3 | 0.1720 | 84 | 256 |
| IE2-EG 225 M-2 | 45 | 60 | 145 | 2960 | 92.9 | 92.8 | 91.8 | 77.7 | 8.1 | 0.89 | 2 | 2.3 | 0.3020 | 86 | 328 |
| IE2-EG 250 M-2 | 55 | 75 | 177 | 2965 | 93.2 | 93.1 | 92.1 | 94.6 | 8.1 | 0.90 | 2 | 2.3 | 0.4200 | 89 | 433 |
| IE2-EG 280 S-2 | 75 | 100 | 242 | 2960 | 93.8 | 93.7 | 92.8 | 128 | 8.1 | 0.90 | 2 | 2.3 | 0.9860 | 91 | 572 |
| IE2-EG 280 M-2 | 90 | 125 | 290 | 2960 | 94.1 | 94 | 93.1 | 151 | 8.1 | 0.91 | 2 | 2.3 | 1.0400 | 91 | 632 |
| IE2-EG 315 S-2 | 110 | 150 | 353 | 2975 | 94.3 | 94.2 | 93.4 | 185 | 7.7 | 0.90 | 1.8 | 2.2 | 1.3300 | 92 | 950 |
| IE2-EG 315 M-2 | 132 | 180 | 424 | 2975 | 94.6 | 94.5 | 93.7 | 221 | 7.7 | 0.90 | 1.8 | 2.2 | 1.5000 | 92 | 1080 |
| IE2-EG 315 L1-2 | 160 | 220 | 514 | 2975 | 94.8 | 94.8 | 93.9 | 264 | 7.7 | 0.89 | 1.8 | 2.2 | 1.6700 | 92 | 1210 |
| IE2-EG 315 L2-2 | 200 | 270 | 642 | 2975 | 95 | 95 | 94.2 | 330 | 7.7 | 0.89 | 1.8 | 2.2 | 1.8800 | 92 | 1240 |
| IE2-EG 355 M-2 | 250 | 340 | 801 | 2980 | 95 | 95 | 94.2 | 412 | 7.7 | 0.92 | 1.6 | 2.2 | 4.0200 | 100 | 1970 |
| IE2-EG 355 L1-2 | 315 | 430 | 1009 | 2980 | 95 | 95 | 94.2 | 520 | 7.7 | 0.92 | 1.6 | 2.2 | 4.8600 | 100 | 2000 |

* The electrical data are not restricted to the series, for more detailed information please ask. Data of MSX and EGQ series.