



Felandia

MSB-6 Series Motors Technical Data (at 50Hz)

| Model | Power (kW) | Current (A) | | | Current (A) | | | Current (A) | | | Speed (r/min) | Eff | | | Power factor | Tst/Tn (Times) | Tmax/Tn (Times) | Tmin/Tn (Times) | Ist/In (Times) | Noise dB(A) |
|-------------|------------|-------------|------|------|-------------|------|------|-------------|------|------|---------------|------|------|------|--------------|----------------|-----------------|-----------------|----------------|-------------|
| | | 220V | 380V | 660V | 230V | 400V | 690V | 240V | 415V | 720V | | 100% | 75% | 50% | | | | | | |
| MSB 631-6 | 0.09 | 0.75 | 0.44 | 0.25 | 0.72 | 0.41 | 0.24 | 0.69 | 0.40 | 0.23 | 890 | 50.7 | 47.6 | 39.8 | 0.62 | 2 | 2.2 | 1.9 | 2.9 | 50 |
| MSB 632-6 | 0.12 | 0.97 | 0.56 | 0.32 | 0.93 | 0.54 | 0.31 | 0.89 | 0.52 | 0.30 | 895 | 53.7 | 50.9 | 43.2 | 0.60 | 2.3 | 2.2 | 2.1 | 2.8 | 50 |
| MSB 711-6 | 0.18 | 1.11 | 0.64 | 0.37 | 1.06 | 0.61 | 0.35 | 1.02 | 0.59 | 0.34 | 905 | 63.0 | 61.6 | 55.4 | 0.67 | 2.15 | 2.4 | 2 | 3.5 | 52 |
| MSB 712-6 | 0.25 | 1.56 | 0.90 | 0.52 | 1.49 | 0.86 | 0.50 | 1.43 | 0.83 | 0.48 | 885 | 62.6 | 62.0 | 55.8 | 0.67 | 2.05 | 2.3 | 2.05 | 3.2 | 52 |
| MSB 713-6 | 0.37 | 2.32 | 1.34 | 0.77 | 2.22 | 1.28 | 0.74 | 2.13 | 1.23 | 0.71 | 890 | 65.4 | 64.4 | 58.2 | 0.64 | 2.3 | 2.5 | 2.3 | 3.4 | 54 |
| MSB 801-6 | 0.37 | 2.06 | 1.19 | 0.69 | 1.97 | 1.13 | 0.66 | 1.89 | 1.09 | 0.63 | 920 | 68.1 | 67.7 | 62.2 | 0.69 | 1.95 | 2.25 | 1.8 | 3.7 | 56 |
| MSB 802-6 | 0.55 | 2.74 | 1.59 | 0.91 | 2.62 | 1.51 | 0.87 | 2.51 | 1.45 | 0.84 | 920 | 72.5 | 73.0 | 69.3 | 0.73 | 2.25 | 2.45 | 2.05 | 4.3 | 56 |
| MSB 803-6 | 0.75 | 3.65 | 2.11 | 1.22 | 3.49 | 2.01 | 1.16 | 3.34 | 1.93 | 1.11 | 910 | 72.9 | 74.2 | 71.3 | 0.74 | 2.2 | 2.4 | 2.1 | 4.1 | 58 |
| MSB 90S-6 | 0.75 | 3.83 | 2.22 | 1.28 | 3.67 | 2.11 | 1.22 | 3.52 | 2.03 | 1.17 | 920 | 72.5 | 73.3 | 70.0 | 0.71 | 1.8 | 2.2 | 1.7 | 4.1 | 59 |
| MSB 90L1-6 | 1.1 | 5.47 | 3.17 | 1.82 | 5.23 | 3.01 | 1.74 | 5.01 | 2.90 | 1.67 | 910 | 73.5 | 75.2 | 72.9 | 0.72 | 1.95 | 2.25 | 1.85 | 4.2 | 59 |
| MSB 90L2-6 | 1.5 | 7.12 | 4.12 | 2.37 | 6.81 | 3.92 | 2.27 | 6.53 | 3.78 | 2.18 | 900 | 74.7 | 77 | 75.5 | 0.74 | 2.1 | 2.3 | 1.9 | 4.2 | 60 |
| MSB 100L1-6 | 1.5 | 6.77 | 3.92 | 2.26 | 6.47 | 3.72 | 2.16 | 6.20 | 3.59 | 2.07 | 935 | 78.5 | 79.9 | 78.2 | 0.74 | 2.05 | 2.35 | 1.8 | 5 | 61 |
| MSB 100L2-6 | 2.2 | 9.87 | 5.71 | 3.29 | 9.44 | 5.43 | 3.15 | 9.04 | 5.23 | 3.01 | 950 | 77 | 78.4 | 77.8 | 0.76 | 2.2 | 2.2 | 1.3 | 6 | 63 |
| MSB 112M-6 | 2.2 | 9.3 | 5.38 | 3.10 | 8.89 | 5.11 | 2.96 | 8.52 | 4.93 | 2.84 | 925 | 79.2 | 81.8 | 81.7 | 0.78 | 1.9 | 2.25 | 1.75 | 4.7 | 64 |
| MSB 112L-6 | 3 | 12.9 | 7.49 | 4.31 | 12.4 | 7.12 | 4.13 | 11.9 | 6.86 | 3.95 | 950 | 79 | 80.9 | 80.9 | 0.77 | 2.2 | 2.2 | 1.3 | 6 | 64 |
| MSB 132S-6 | 3 | 12.5 | 7.22 | 4.16 | 11.9 | 6.86 | 3.98 | 11.4 | 6.61 | 3.81 | 955 | 82.5 | 84.5 | 84.3 | 0.77 | 1.7 | 2.15 | 1.45 | 5.3 | 64 |
| MSB 132M1-6 | 4 | 16.2 | 9.39 | 5.40 | 15.5 | 8.92 | 5.17 | 14.9 | 8.59 | 4.95 | 965 | 85.2 | 85.8 | 84.4 | 0.76 | 2.3 | 2.9 | 1.6 | 6.6 | 68 |
| MSB 132M2-6 | 5.5 | 21.5 | 12.4 | 7.16 | 20.6 | 11.8 | 6.9 | 19.7 | 11.4 | 6.6 | 960 | 85.9 | 87.2 | 86.8 | 0.78 | 2.5 | 2.7 | 1.7 | 6.7 | 68 |
| MSB 132L-6 | 7.5 | 30.1 | 17.4 | 10.0 | 28.8 | 16.5 | 9.6 | 27.6 | 15.9 | 9.2 | 960 | 85 | 86.4 | 86.4 | 0.77 | 2 | 2 | 1.3 | 6.5 | 68 |
| MSB 160M-6 | 7.5 | 30.3 | 17.6 | 10.1 | 29.0 | 16.7 | 9.7 | 27.8 | 16.1 | 9.3 | 970 | 86.8 | 87.6 | 86.7 | 0.75 | 2.1 | 2.7 | 1.65 | 6.1 | 68 |
| MSB 160L-6 | 11 | 42.5 | 24.6 | 14.2 | 40.7 | 23.4 | 13.6 | 39.0 | 22.5 | 13.0 | 965 | 87.2 | 88.6 | 88.6 | 0.78 | 2.25 | 2.35 | 1.5 | 6.9 | 73 |

Brake data

| Frame size | Brake type | Brake torque (Speed 100r/min) (Nm) | Brake rated power (P _z) (W) | Delay time when power on (ms) | Brake time (ms) | Pick in time when power off (ms) |
|------------|------------|------------------------------------|---|-------------------------------|-----------------|----------------------------------|
| 56-71 | 06 | 4 | 20 | 15 | 30 | 40 |
| 80 | 08 | 8 | 25 | 15 | 32 | 50 |
| 90 | 10 | 16 | 30 | 25 | 45 | 69 |
| 100 | 12 | 32 | 40 | 26 | 56 | 108 |
| 112 | 14 | 60 | 50 | 27 | 57 | 190 |
| 132 | 16 | 80 | 55 | 30 | 60 | 200 |
| 160 | 18 | 150 | 85 | 35 | 78 | 260 |