

Technical data

IE3 cast iron motors, 3000 r/min

IP 55 - IC 411 - Insulation class F, temperature rise class B
IE3 efficiency class according to IEC 60034-30-1; 2014

| Output kW | Motor type | Product code | Speed r/min | Efficiency IEC 60034-30-1; 2014 | | | Power factor Cos φ | Current | | | | | Torque | Moment of inertia J = 1/4 GD ² kgm ² | Weight kg | Sound pressure Level L _{PA} dB |
|-----------------------------|------------------------------|----------------|----------------|------------------------------------|--------------------|--------------------|--------------------------|-----------------------|--------------------------------|----------------------|--------------------------------|--------------------------------|---------|---|--------------|--|
| | | | | Full load 100% | 3/4 load 75% | 1/2 load 50% | | I _N A | I _s /I _N | T _N Nm | T _f /T _N | T _b /T _N | | | | |
| 3000 r/min = 2 poles | | | | 400 V 50 Hz | | | | CENELEC-design | | | | | | | | |
| 0.75 | M3BP 80 MC 2 | 3GBP081330-••L | 2879 | 80.7 | 80.9 | 79.0 | 0.81 | 1.6 | 7.2 | 2.5 | 3.4 | 4.2 | 0.00100 | 17 | 57 | |
| 1.1 | M3BP 80 ME 2 | 3GBP081350-••L | 2865 | 82.7 | 83.2 | 82.5 | 0.84 | 2.3 | 7.2 | 3.7 | 3.5 | 4.1 | 0.00120 | 18 | 60 | |
| 1.5 | M3BP 90 SLA 2 | 3GBP091010-••L | 2901 | 84.2 | 84.6 | 83.6 | 0.89 | 2.9 | 7.7 | 4.93 | 2.1 | 3.5 | 0.00280 | 27 | 69 | |
| 2.2 | M3BP 90 LA 2 | 3GBP091510-••L | 2904 | 85.9 | 86.3 | 84.8 | 0.89 | 4.2 | 8.8 | 7.2 | 3.1 | 3.8 | 0.00360 | 30 | 64 | |
| 3 | M3BP 100 MLA 2 | 3GBP101410-••L | 2908 | 87.1 | 87.9 | 87.4 | 0.91 | 5.4 | 8.2 | 9.9 | 3.3 | 3.9 | 0.00130 | 42 | 68 | |
| 4 | M3BP 112 ME 2 | 3GBP111350-••L | 2882 | 88.1 | 89.8 | 90.7 | 0.93 | 6.9 | 8.3 | 13.0 | 2.9 | 3.7 | 0.0139 | 56 | 70 | |
| 5.5 | M3BP 132 SMC 2 | 3GBP131230-••L | 2908 | 89.2 | 89.7 | 89.0 | 0.91 | 9.8 | 7.6 | 18.0 | 2.3 | 3.8 | 0.0182 | 69 | 70 | |
| 7.5 | M3BP 132 SME 2 | 3GBP131250-••L | 2896 | 90.1 | 90.9 | 90.9 | 0.91 | 13.2 | 7.2 | 25.0 | 2.1 | 3.6 | 0.0203 | 75 | 70 | |
| 11 | M3BP 160 MLA 2 | 3GBP161051-••K | 2943 | 92.1 | 92.7 | 92.4 | 0.92 | 18.7 | 8.1 | 35.6 | 2.7 | 3.4 | 0.0520 | 141 | 69 | |
| 15 | M3BP 160 MLB 2 | 3GBP161052-••K | 2943 | 92.5 | 93.4 | 93.2 | 0.92 | 25.4 | 8.4 | 48.6 | 3.1 | 3.4 | 0.0620 | 170 | 69 | |
| 18.5 | M3BP 160 MLC 2 | 3GBP161053-••K | 2942 | 93.1 | 93.9 | 93.9 | 0.93 | 30.8 | 8.3 | 60.0 | 3.1 | 3.6 | 0.0720 | 183 | 69 | |
| 22 | M3BP 180 MLA 2 | 3GBP181051-••K | 2957 | 93.2 | 93.9 | 93.8 | 0.91 | 37.4 | 8.1 | 71.0 | 2.6 | 3.2 | 0.116 | 234 | 69 | |
| 30 | M3BP 200 MLA 2 | 3GBP201051-••K | 2958 | 94.2 | 94.9 | 94.7 | 0.90 | 51.0 | 7.8 | 96.8 | 2.8 | 3.1 | 0.196 | 298 | 72 | |
| 37 | M3BP 200 MLB 2 | 3GBP201052-••K | 2960 | 94.7 | 95.2 | 95.0 | 0.91 | 61.9 | 8.8 | 119 | 3.1 | 3.4 | 0.217 | 314 | 72 | |
| 45 | M3BP 225 SMA 2 | 3GBP221051-••K | 2972 | 95.0 | 95.2 | 94.8 | 0.89 | 76.8 | 7.8 | 144 | 3.1 | 3.0 | 0.323 | 409 | 74 | |
| 55 | M3BP 250 SMA 2 | 3GBP251051-••K | 2975 | 95.2 | 95.4 | 95.0 | 0.89 | 93.6 | 8.0 | 176 | 2.8 | 3.3 | 0.579 | 452 | 75 | |
| 75 | M3BP 280 SMB 2 | 3GBP281220-••L | 2978 | 94.7 | 94.5 | 93.6 | 0.88 | 130 | 7.0 | 240 | 2.3 | 3.0 | 0.90 | 665 | 74 | |
| 90 | M3BP 280 SMC 2 | 3GBP281230-••L | 2975 | 95.0 | 95.0 | 94.3 | 0.88 | 155 | 6.4 | 288 | 2.1 | 2.8 | 0.990 | 690 | 74 | |
| 110 | M3BP 315 SMB 2 | 3GBP311220-••L | 2982 | 95.2 | 95.0 | 94.0 | 0.87 | 192 | 7.0 | 352 | 1.8 | 2.7 | 1.30 | 910 | 78 | |
| 132 | M3BP 315 SMC 2 | 3GBP311230-••L | 2982 | 95.4 | 95.3 | 94.4 | 0.88 | 227 | 6.8 | 422 | 2.0 | 2.8 | 1.50 | 965 | 78 | |
| 160 | M3BP 315 SMD 2 | 3GBP311240-••L | 2983 | 95.6 | 95.5 | 94.9 | 0.88 | 275 | 7.4 | 512 | 2.2 | 2.8 | 1.70 | 1025 | 78 | |
| 200 | M3BP 315 MLA 2 | 3GBP311410-••L | 2983 | 95.8 | 95.8 | 95.4 | 0.88 | 342 | 7.7 | 640 | 2.5 | 3.1 | 2.10 | 1190 | 81 | |
| 250 | ¹⁾ M3BP 355 SMA 2 | 3GBP351210-••L | 2984 | 96.0 | 95.8 | 94.9 | 0.89 | 422 | 7.7 | 800 | 2.1 | 3.3 | 3.00 | 1600 | 83 | |
| 315 | ¹⁾ M3BP 355 SMB 2 | 3GBP351220-••L | 2980 | 96.1 | 96.0 | 95.4 | 0.89 | 532 | 7.0 | 1009 | 2.1 | 3.0 | 3.40 | 1680 | 83 | |
| 355 | ¹⁾ M3BP 355 SMC 2 | 3GBP351230-••L | 2985 | 96.2 | 96.1 | 95.5 | 0.88 | 605 | 7.2 | 1136 | 2.2 | 3.0 | 3.60 | 1750 | 83 | |

| Output kW | Motor type | Product code | Speed r/min | Efficiency IEC 60034-30-1; 2014 | | | Power factor Cos φ | Current | | | | | Torque | Moment of inertia J = 1/4 GD ² kgm ² | Weight kg | Sound pressure Level L _{PA} dB |
|-----------------------------|----------------|----------------|----------------|------------------------------------|--------------------|--------------------|--------------------------|---------------------------|--------------------------------|----------------------|--------------------------------|--------------------------------|--------|---|--------------|--|
| | | | | Full load 100% | 3/4 load 75% | 1/2 load 50% | | I _N A | I _s /I _N | T _N Nm | T _f /T _N | T _b /T _N | | | | |
| 3000 r/min = 2 poles | | | | 400 V 50 Hz | | | | High-output design | | | | | | | | |
| 110 | M3BP 280 SMD 2 | 3GBP281240-••L | 2977 | 95.2 | 95.2 | 94.4 | 0.88 | 190 | 7.5 | 353 | 2.4 | 3.1 | 1.15 | 725 | 75 | |
| 250 | M3BP 315 LKB 2 | 3GBP311820-••L | 2983 | 95.8 | 95.9 | 95.5 | 0.90 | 419 | 7.7 | 800 | 2.5 | 3.3 | 2.90 | 1540 | 81 | |

¹⁾ 3 dB(A) sound pressure level reduction with unidirectional fan construction. Direction of rotation must be stated when ordering, see variant codes 044 and 045