

REM X EF Series

THREE PHASE INDUCTION MOTORS



performance data - EF Premium Range - 2 POLE - 3000 r.p.m.

| Code | Rated Power kw | Full Load Speed in revolutions per minute n _{min} ⁻¹ | Frame Reference & Size | Full Load Current at Rated Voltage | | | Efficiency η | Power Factor Cos ϕ | Full Load Torque M _N Nm | Direct on Line Starting Torque Ratio M _s M _N | Direct on Line Starting Current Ratio I _s I _N | Direct on Line Pull Out Torque Ratio M _x M _N | Direct on Line Pull Up Torque Ratio M _s M _N | Star Delta Starting Torque Ratio M _s M _N | Star Delta Starting Current Ratio I _s I _N | Star Delta Pull Up Torque Ratio M _s M _N | Rotor Inertia Wk ² | Mean Sound Pressure Level @ 1mm on no Load L _{PA} dB(A) | Weight Kg |
|---------|-------------------|---|------------------------------|---------------------------------------|-----------|-----------|----------------------|-------------------------------|---|--|---|--|---|--|---|---|-------------------------------------|--|--------------|
| | | | | 380V A | 400V A | 415V A | | | | | | | | | | | | | |
| EF1018 | 0.75 | 2840 | EF80M1 | 1.75 | 1.66 | 1.6 | 80.5 80.8 79.5 | 0.81 0.73 0.59 | 2.52 | 2.2 | 8 | 2.3 | 1.5 | — | — | 0.0013 | 59 | 20 | |
| EF1021 | 1.1 | 2840 | EF80M2 | 2.46 | 2.34 | 2.25 | 82.8 83.2 82.4 | 0.82 0.75 0.61 | 3.7 | 2.2 | 8 | 2.3 | 1.5 | — | — | 0.0016 | 59 | 22 | |
| EF1027 | 1.5 | 2840 | EF90S | 3.19 | 3.03 | 2.92 | 84.1 84.7 84.2 | 0.85 0.78 0.65 | 5.04 | 2.2 | 8 | 2.3 | 1.5 | — | — | 0.0031 | 64 | 27 | |
| EF1036 | 2.2 | 2840 | EF90L | 4.59 | 4.36 | 4.21 | 85.6 86.0 85.7 | 0.85 0.80 0.68 | 7.4 | 2.2 | 8 | 2.3 | 1.4 | — | — | 0.0038 | 64 | 30 | |
| EF1042 | 3 | 2880 | EF100L | 6.04 | 5.74 | 5.53 | 86.7 87.3 86.8 | 0.87 0.83 0.71 | 9.95 | 2.2 | 8 | 2.3 | 1.4 | — | — | 0.0064 | 68 | 41 | |
| EF1051 | 4 | 2890 | EF 12M | 7.97 | 7.58 | 7.30 | 87.6 88.3 87.8 | 0.87 0.83 0.72 | 13.2 | 2.2 | 8 | 2.3 | 1.4 | 0.73 | 2.7 | 0.009 | 69 | 45 | |
| EF1057 | 5.5 | 2900 | EF132S1 | 10.7 | 10.2 | 9.81 | 88.6 89.2 88.7 | 0.88 0.84 0.75 | 18.1 | 2.2 | 8 | 2.3 | 1.2 | 0.73 | 2.7 | 0.018 | 72 | 68 | |
| EF1063 | 7.5 | 2900 | EF132S2 | 14.5 | 13.7 | 13.2 | 89.5 90.1 89.6 | 0.88 0.84 0.75 | 24.7 | 2 | 8 | 2.3 | 1.2 | 0.67 | 2.7 | 0.023 | 72 | 74 | |
| EF1072 | 11 | 2930 | EF160M1 | 21 | 19.9 | 19.2 | 90.6 91.1 90.8 | 0.88 0.84 0.75 | 35.9 | 2 | 8 | 2.3 | 1.2 | 0.67 | 2.7 | 0.05 | 78 | 110 | |
| EF1078 | 15 | 2930 | EF160M2 | 28.4 | 26.9 | 26 | 91.3 91.8 91.3 | 0.88 0.85 0.76 | 48.9 | 2 | 8 | 2.3 | 1.2 | 0.67 | 2.7 | 0.062 | 78 | 125 | |
| EF1081 | 18.5 | 2930 | EF160L | 34.8 | 33.1 | 31.9 | 91.8 92.3 91.8 | 0.88 0.85 0.77 | 60.3 | 2 | 8 | 2.3 | 1.1 | 0.67 | 2.7 | 0.073 | 78 | 140 | |
| EF4087 | 22 | 2940 | EF180M | 40.7 | 38.7 | 37.3 | 92.2 92.7 92.3 | 0.89 0.86 0.78 | 71.5 | 2 | 7.5 | 2.3 | 1.1 | 0.67 | 2.7 | 0.1 | 81 | 185 | |
| EF4090 | 30 | 2950 | EF200L1 | 55.1 | 52.4 | 50.5 | 92.9 93.4 93.1 | 0.89 0.86 0.78 | 97.1 | 1.8 | 7.5 | 2.3 | 1.1 | 0.60 | 2.5 | 0.15 | 84 | 220 | |
| EF4093 | 37 | 2950 | EF200L2 | 67.7 | 64.3 | 62 | 93.3 93.8 93.5 | 0.89 0.86 0.78 | 120 | 1.8 | 7.5 | 2.3 | 1.1 | 0.60 | 2.5 | 0.18 | 84 | 240 | |
| EF4096 | 45 | 2970 | EF225M | 82 | 77.9 | 75.1 | 93.7 94.2 94.0 | 0.89 0.86 0.79 | 145 | 1.7 | 7.5 | 2.3 | 1.0 | 0.57 | 2.5 | 0.3 | 84 | 305 | |
| EF4099 | 55 | 2970 | EF250S | 99.9 | 94.9 | 91.5 | 94.0 94.4 94.2 | 0.89 0.86 0.79 | 177 | 1.7 | 7.5 | 2.3 | 1.0 | 0.57 | 2.5 | 0.38 | 85 | 380 | |
| EF4102 | 75 | 2970 | EF250M | 135 | 129 | 124 | 94.6 95.0 94.8 | 0.89 0.87 0.80 | 241 | 1.7 | 7.5 | 2.3 | 0.9 | 0.57 | 2.5 | 0.49 | 86 | 430 | |
| EF4105 | 90 | 2970 | EF280S | 162 | 154 | 148 | 95.0 95.3 95.2 | 0.90 0.87 0.80 | 289 | 1.7 | 7.5 | 2.3 | 0.9 | 0.57 | 2.5 | 0.8 | 86 | 570 | |
| EF4108A | 110 | 2970 | EF280M | 195 | 186 | 179 | 95.1 95.4 95.2 | 0.90 0.87 0.81 | 354 | 1.7 | 7.5 | 2.3 | 0.9 | 0.57 | 2.5 | 0.95 | 88 | 630 | |
| EF111 | 132 | 2980 | EF315S | 234 | 222 | 214 | 95.4 95.6 95.5 | 0.90 0.88 0.82 | 423 | 1.5 | 7.1 | 2.2 | 0.9 | 0.50 | 2.4 | 2 | 88 | 980 | |
| EF4144 | 160 | 2980 | EF315M | 283 | 269 | 259 | 95.5 95.6 95.5 | 0.90 0.88 0.83 | 513 | 1.5 | 7.1 | 2.2 | 0.9 | 0.50 | 2.4 | 2.2 | 91 | 1040 | |
| EF4120 | 200 | 2980 | EF315L | 354 | 336 | 324 | 95.5 95.7 95.6 | 0.90 0.88 0.84 | 641 | 1.5 | 7.1 | 2.2 | 0.8 | 0.50 | 2.4 | 2.5 | 91 | 1120 | |
| EF4123 | 220 | 2980 | EF355M1 | 385 | 365 | 352 | 95.5 95.6 95.5 | 0.91 0.89 0.84 | 705 | 1.4 | 7.1 | 2.2 | 0.8 | 0.47 | 2.4 | 3 | 95 | 1580 | |
| EF4126 | 250 | 2980 | EF355M2 | 436 | 414 | 399 | 95.8 95.8 95.7 | 0.91 0.89 0.83 | 801 | 1.4 | 7.1 | 2.2 | 0.8 | 0.47 | 2.4 | 3.4 | 95 | 1680 | |
| EF4129 | 280 | 2980 | EF355L1 | 483 | 459 | 442 | 95.8 95.8 95.7 | 0.92 0.89 0.84 | 897 | 1.4 | 7.1 | 2.2 | 0.8 | 0.47 | 2.4 | 4.1 | 95 | 1850 | |
| EF4132 | 315 | 2980 | EF355L2 | 543 | 516 | 497 | 95.8 95.8 95.7 | 0.92 0.89 0.84 | 1009 | 1.4 | 7.1 | 2.2 | 0.8 | 0.47 | 2.4 | 4.1 | 95 | 1850 | |

REM X EF Series

THREE PHASE INDUCTION MOTORS



performance data - EF Premium Range - 4 POLE - 1500 r.p.m.

| Code | Rated Power kw | Full Load Speed in revolutions per minute n _{min} ⁻¹ | Frame Reference & Size | Full Load Current at Rated Voltage | | | Efficiency η | Power Factor Cos φ | Full Load Torque M _N Nm | Direct on Line Starting Torque Ratio M _s /M _N | Direct on Line Starting Current Ratio I _s /I _N | Direct on Line Pull Out Torque Ratio M _x /M _N | Direct on Line Pull Up Torque Ratio M _s /M _N | Star Delta Starting Torque Ratio M _s /M _N | Star Delta Starting Current Ratio I _s /I _N | Star Delta Pull Up Torque Ratio M _s /M _N | Rotor Inertia J kgm ² | Mean Sound Pressure Level @ 1m on no Load L _{PA} dB(A) | Weight Kg |
|---------|-------------------|---|------------------------------|---------------------------------------|-----------|-----------|----------------------|--------------------------|---|--|---|--|---|--|---|---|---|---|--------------|
| | | | | 380V A | 400V A | 415V A | | | | | | | | | | | | | |
| EF111 | 0.55 | 1380 | EF80M1 | 1.42 | 1.35 | 1.3 | 89.7 89.7 80.7 | 3.81 | 2.3 | 8 | 2.3 | 1.6 | — | — | — | — | 0.0022 | 50 | 21 |
| EF114 | 0.75 | 1380 | EF80M2 | 1.9 | 1.8 | 1.74 | 82.3 82.3 80.0 | 5.19 | 2.3 | 8 | 2.3 | 1.6 | — | — | — | — | 0.0028 | 50 | 23 |
| EF117 | 1.1 | 1400 | EF90S | 2.62 | 2.49 | 2.4 | 83.8 83.8 81.8 | 7.5 | 2.3 | 8 | 2.3 | 1.6 | — | — | — | — | 0.0064 | 53 | 28 |
| EF123 | 1.5 | 1400 | EF90L | 3.53 | 3.35 | 3.23 | 85.0 85.0 83.5 | 10.2 | 2.3 | 8 | 2.3 | 1.6 | — | — | — | — | 0.0077 | 53 | 31 |
| EF129 | 2.2 | 1420 | EF100L1 | 4.84 | 4.59 | 4.43 | 85.4 85.9 86.3 | 14.8 | 2.3 | 8 | 2.3 | 1.5 | — | — | — | — | 0.012 | 56 | 43 |
| EF132 | 3 | 1420 | EF100L2 | 6.44 | 6.12 | 5.90 | 87.4 88.0 87.4 | 20.2 | 2.3 | 8 | 2.3 | 1.5 | — | — | — | — | 0.015 | 56 | 45 |
| EF138 | 4 | 1440 | EF112M | 8.50 | 8.07 | 7.78 | 88.3 88.9 88.5 | 26.5 | 2.3 | 8 | 2.3 | 1.5 | 0.77 | 2.7 | — | — | 0.024 | 57 | 57 |
| EF144 | 5.5 | 1440 | EF132S | 11.6 | 11 | 10.6 | 89.2 89.7 89.3 | 36.5 | 2.3 | 8 | 2.3 | 1.4 | 0.77 | 2.7 | — | — | 0.043 | 63 | 73 |
| EF147 | 7.5 | 1440 | EF132M | 15.6 | 14.8 | 14.3 | 90.1 90.5 90.1 | 49.7 | 2.3 | 8 | 2.3 | 1.4 | 0.77 | 2.7 | — | — | 0.057 | 63 | 86 |
| EF156 | 11 | 1460 | EF160M | 21.6 | 20.5 | 19.8 | 91.0 91.5 91.2 | 72 | 2.1 | 7.5 | 2.3 | 1.4 | 0.7 | 2.5 | — | — | 0.1 | 67 | 120 |
| EF159 | 15 | 1460 | EF160L | 29.2 | 27.7 | 26.7 | 91.8 92.3 92.0 | 98.1 | 2.1 | 7.5 | 2.3 | 1.4 | 0.7 | 2.5 | — | — | 0.13 | 67 | 140 |
| EF4162 | 18.5 | 1470 | EF180M | 35.4 | 33.7 | 32.5 | 92.2 92.7 92.6 | 120 | 2.1 | 7.5 | 2.3 | 1.2 | 0.7 | 2.5 | — | — | 0.17 | 68 | 170 |
| EF4165 | 22 | 1470 | EF180L | 42 | 39.9 | 38.4 | 92.6 93.2 93.1 | 143 | 2.1 | 7.5 | 2.3 | 1.2 | 0.7 | 2.5 | — | — | 0.21 | 68 | 200 |
| EF4168 | 30 | 1470 | EF200L | 56.2 | 53.4 | 51.5 | 93.2 93.7 93.7 | 195 | 2.1 | 7.5 | 2.3 | 1.2 | 0.7 | 2.5 | — | — | 0.32 | 71 | 250 |
| EF4171 | 37 | 1480 | EF225S | 69 | 65.6 | 63.2 | 93.6 94.1 94.1 | 239 | 2 | 7.5 | 2.3 | 1.2 | 0.67 | 2.5 | — | — | 0.55 | 73 | 300 |
| EF4174 | 45 | 1480 | EF225M | 83.7 | 79.5 | 76.6 | 93.9 94.4 94.4 | 290 | 2 | 7.5 | 2.3 | 1.1 | 0.67 | 2.5 | — | — | 0.65 | 73 | 335 |
| EF4177 | 55 | 1480 | EF250S | 101 | 95.8 | 92.3 | 94.2 94.6 94.6 | 355 | 2 | 7.5 | 2.3 | 1.1 | 0.67 | 2.5 | — | — | 0.8 | 75 | 410 |
| EF4180A | 75 | 1480 | EF250M | 137 | 130 | 125 | 94.7 95.2 95.2 | 484 | 1.8 | 7.5 | 2.3 | 1 | 0.6 | 2.5 | — | — | 1 | 78 | 465 |
| EF4183 | 90 | 1480 | EF280S | 164 | 155 | 150 | 95.0 95.3 95.2 | 581 | 1.8 | 7.5 | 2.3 | 1.0 | 0.6 | 2.5 | — | — | 1.8 | 78 | 630 |
| EF4186A | 110 | 1480 | EF280M | 199 | 189 | 182 | 95.4 95.7 95.6 | 710 | 1.8 | 7.5 | 2.3 | 1.0 | 0.6 | 2.5 | — | — | 2.2 | 85 | 710 |
| EF4189 | 132 | 1490 | EF315S | 236 | 224 | 216 | 95.5 95.7 95.5 | 846 | 1.6 | 6.9 | 2.2 | 1 | 0.53 | 2.3 | — | — | 4.1 | 85 | 1000 |
| EF4192 | 160 | 1490 | EF315M | 285 | 271 | 261 | 95.7 95.9 95.7 | 1026 | 1.6 | 6.9 | 2.2 | 1 | 0.53 | 2.3 | — | — | 4.6 | 89 | 1060 |
| EF4198 | 200 | 1490 | EF315L | 357 | 339 | 327 | 95.7 95.9 95.7 | 1282 | 1.6 | 6.9 | 2.2 | 0.9 | 0.53 | 2.3 | — | — | 5.2 | 89 | 1160 |
| EF4201 | 220 | 1490 | EF355M1 | 388 | 369 | 355 | 95.7 95.8 95.6 | 1410 | 1.6 | 6.9 | 2.2 | 0.9 | 0.53 | 2.3 | — | — | 7.4 | 93 | 1600 |
| EF4204 | 250 | 1490 | EF355M2 | 441 | 419 | 403 | 95.8 95.9 95.8 | 1602 | 1.6 | 6.9 | 2.2 | 0.9 | 0.53 | 2.3 | — | — | 8.2 | 93 | 1680 |
| EF4207 | 280 | 1490 | EF355L1 | 493 | 469 | 452 | 95.8 95.9 95.8 | 1795 | 1.6 | 6.9 | 2.2 | 0.8 | 0.53 | 2.3 | — | — | 9.1 | 93 | 1780 |
| EF4210 | 315 | 1490 | EF355L2 | 555 | 527 | 508 | 95.8 95.9 95.8 | 2019 | 1.6 | 6.9 | 2.2 | 0.8 | 0.53 | 2.3 | — | — | 10 | 93 | 1900 |

REM X EF Series

THREE PHASE INDUCTION MOTORS



performance data - EF Premium Range - 6 POLE - 1000 r.p.m.

| Code | Rated Power kw | Full Load Speed in revolutions per minute $n_{min^{-1}}$ | Frame Reference & Size | Full Load Current at Rated Voltage | | | Efficiency η | Power Factor Cos ϕ | Full Load Torque M_N Nm | Direct on Line Starting Torque Ratio $\frac{M_s}{M_N}$ | Direct on Line Starting Current Ratio $\frac{I_{s\Delta}}{I_N}$ | Direct on Line Pull Out Torque Ratio $\frac{M_x}{M_N}$ | Direct on Line Pull Up Torque Ratio $\frac{M_s}{M_N}$ | Star Delta Starting Torque Ratio $\frac{M_s}{M_N}$ | Star Delta Starting Current Ratio $\frac{I_{sY}}{I_N}$ | Star Delta Pull Up Torque Ratio $\frac{M_s}{M_N}$ | Rotor Inertia WK ² J | Mean Sound Pressure Level @ 1mm on no Load L _{PA} dB(A) | Weight Kg |
|---------|-------------------|---|------------------------------|---------------------------------------|-----------|-----------|----------------------|-------------------------------|------------------------------------|---|--|---|--|---|---|--|--|--|--------------|
| | | | | 380V A | 400V A | 415V A | | | | | | | | | | | | | |
| EF1186 | 0.55 | 880 | EF80 | 1.58 | 1.5 | 1.45 | 75.4 75.4 72.8 | 0.87 0.81 0.48 | 5.9 | 2.1 | 6.5 | 2.1 | 1.5 | — | — | — | 0.004 | 46 | 23 |
| EF1189 | 0.75 | 910 | EF90S | 2.07 | 1.96 | 1.89 | 77.7 77.7 75 | 0.71 0.62 0.49 | 7.87 | 2.1 | 6.5 | 2.1 | 1.5 | — | — | — | 0.0073 | 49 | 26 |
| EF1192 | 1.1 | 910 | EF90L | 2.95 | 2.8 | 2.7 | 79.9 79.9 77.3 | 0.71 0.62 0.49 | 11.5 | 2.1 | 6.5 | 2.1 | 1.3 | — | — | — | 0.01 | 49 | 32 |
| EF1195 | 1.5 | 940 | EF100L | 3.78 | 3.59 | 3.46 | 81.5 81.8 81.3 | 0.74 0.66 0.52 | 15.2 | 2.1 | 6.5 | 2.1 | 1.3 | — | — | — | 0.014 | 53 | 41 |
| EF1198 | 2.2 | 940 | EF112M | 5.34 | 5.08 | 4.89 | 83.4 83.7 83.4 | 0.75 0.68 0.54 | 22.4 | 2.1 | 6.5 | 2.1 | 1.3 | — | — | — | 0.022 | 57 | 44 |
| EF1201 | 3 | 960 | EF132S | 7.16 | 6.8 | 6.55 | 84.9 85.3 84.9 | 0.75 0.68 0.54 | 29.8 | 2.1 | 6.5 | 2.1 | 1.3 | — | — | — | 0.043 | 61 | 63 |
| EF1204 | 4 | 960 | EF132M1 | 9.41 | 8.94 | 8.62 | 86.1 86.5 86.1 | 0.75 0.68 0.54 | 39.8 | 2.1 | 6.5 | 2.1 | 1.3 | 0.7 | 2.2 | — | 0.055 | 61 | 72 |
| EF1207 | 5.5 | 960 | EF132M2 | 12.7 | 12.1 | 11.7 | 87.4 87.8 87.4 | 0.75 0.68 0.54 | 54.7 | 2.1 | 6.5 | 2.1 | 1.3 | 0.7 | 2.2 | — | 0.072 | 61 | 81 |
| EF1210 | 7.5 | 970 | EF160M | 16.4 | 15.6 | 15 | 89 89.4 89 | 0.78 0.71 0.58 | 73.8 | 1.9 | 6.5 | 2.1 | 1.3 | 0.7 | 2.2 | — | 0.12 | 65 | 115 |
| EF4213 | 11 | 970 | EF160L | 23.8 | 22.6 | 21.8 | 90 90.4 90 | 0.78 0.71 0.58 | 108 | 1.9 | 6.5 | 2.1 | 1.2 | 0.63 | 2.2 | — | 0.16 | 65 | 140 |
| EF4216 | 15 | 970 | EF180L | 31.3 | 29.7 | 28.7 | 91 91.3 91 | 0.8 0.73 0.61 | 148 | 1.9 | 7 | 2.1 | 1.2 | 0.63 | 2.3 | — | 0.29 | 65 | 185 |
| EF4219 | 18.5 | 970 | EF200L1 | 37.9 | 36 | 34.7 | 91.5 91.9 91.6 | 0.81 0.75 0.64 | 182 | 1.9 | 7 | 2.1 | 1.2 | 0.63 | 2.3 | — | 0.39 | 68 | 220 |
| EF4222 | 22 | 970 | EF200L2 | 44.9 | 42.6 | 41.1 | 92 92.5 92.2 | 0.81 0.75 0.64 | 217 | 1.9 | 7 | 2.1 | 1.2 | 0.63 | 2.3 | — | 0.47 | 68 | 245 |
| EF4225 | 30 | 980 | EF225M | 58.7 | 55.7 | 53.7 | 92.5 93 93 | 0.84 0.8 0.72 | 292 | 1.8 | 7 | 2.1 | 1.2 | 0.6 | 2.3 | — | 0.7 | 68 | 300 |
| EF4228 | 37 | 980 | EF250S | 70.3 | 66.8 | 64.4 | 93 93.5 93.5 | 0.86 0.81 0.72 | 361 | 1.8 | 7 | 2.1 | 1.2 | 0.6 | 2.3 | — | 1.1 | 70 | 400 |
| EF4230 | 45 | 980 | EF250M | 85 | 80.8 | 77.9 | 93.5 94 94 | 0.86 0.82 0.74 | 439 | 1.8 | 7 | 2 | 1.1 | 0.6 | 2.3 | — | 1.4 | 72 | 450 |
| EF4234 | 55 | 980 | EF280S | 102 | 97.2 | 93.7 | 93.9 94.4 94.4 | 0.87 0.83 0.75 | 536 | 1.8 | 7 | 2 | 1.1 | 0.6 | 2.3 | — | 2.1 | 72 | 560 |
| EF4237A | 75 | 980 | EF280M | 139 | 132 | 127 | 94.4 94.8 94.8 | 0.87 0.84 0.76 | 731 | 1.8 | 7 | 2 | 1 | 0.6 | 2.3 | — | 2.9 | 77 | 670 |
| EF4240 | 90 | 990 | EF315S | 166 | 158 | 152 | 94.8 95 94.7 | 0.87 0.83 0.75 | 868 | 1.6 | 6.7 | 2 | 1 | 0.53 | 2.2 | — | 4.9 | 77 | 940 |
| EF4243 | 110 | 990 | EF315M | 202 | 192 | 185 | 95.1 95.3 95 | 0.87 0.83 0.75 | 1061 | 1.6 | 6.7 | 2 | 1 | 0.53 | 2.2 | — | 5.4 | 77 | 990 |
| EF4246 | 132 | 990 | EF315L | 242 | 230 | 221 | 95.4 95.6 95.3 | 0.87 0.84 0.76 | 1273 | 1.6 | 6.7 | 2 | 1 | 0.53 | 2.2 | — | 6.5 | 77 | 1100 |
| EF4249 | 160 | 990 | EF355M1 | 292 | 278 | 268 | 95.6 95.7 95.4 | 0.87 0.84 0.76 | 1543 | 1.6 | 6.7 | 2 | 1 | 0.53 | 2.2 | — | 9.5 | 84 | 1550 |
| EF4265 | 200 | 990 | EF355M2 | 365 | 347 | 335 | 95.6 95.8 95.6 | 0.87 0.85 0.78 | 1929 | 1.6 | 6.7 | 2 | 0.9 | 0.53 | 2.2 | — | 11 | 84 | 1670 |
| EF4258 | 220 | 990 | EF355L1 | 397 | 377 | 364 | 95.6 95.8 95.6 | 0.88 0.85 0.78 | 2122 | 1.6 | 6.7 | 2 | 0.9 | 0.53 | 2.2 | — | 12 | 84 | 1800 |
| EF4261 | 250 | 990 | EF355L2 | 452 | 429 | 413 | 95.6 95.8 95.6 | 0.88 0.85 0.78 | 2412 | 1.6 | 6.7 | 2 | 0.9 | 0.53 | 2.2 | — | 14 | 84 | 1940 |



EF Series

THREE PHASE INDUCTION MOTORS



performance data - EF Premium Range - 8 POLE - 750 r.p.m.

| Code | Rated Power kw | Full Load Speed in revolutions per minute n _{min} ⁻¹ | Frame Reference & Size | Full Load Current at Rated Voltage | | | Efficiency | | Power Factor Cos φ | Full Load Torque M _N Nm | Direct on Line Starting Torque Ratio M _s / M _N | Direct on Line Starting Current Ratio I _s / I _N | Direct on Line Pull Out Torque Ratio M _x / M _N | Direct on Line Pull Up Torque Ratio M _s / M _N | Star Delta Starting Torque Ratio M _s / M _N | Star Delta Starting Current Ratio I _s / I _N | Star Delta Pull Up Torque Ratio M _s / M _N | Rotor Inertia J kgm ² | Mean Sound Pressure Level @ 1m on no Load L _{PA} dB(A) | Weight Kg |
|---------|-------------------|---|------------------------------|---------------------------------------|-----------|-----------|---|---|--------------------------|---|--|---|--|---|--|---|---|---|---|--------------|
| | | | | 380V A | 400V A | 415V A | η 1.0, P _N 0.75 P _N 0.5 P _N | η 1.0, P _N 0.75 P _N 0.5 P _N | | | | | | | | | | | | |
| EF1241 | 0.75 | 680 | EF100L1 | 2.39 | 2.27 | 2.18 | 73.5 73.5 71 | 0.85 0.55 0.42 | 10.5 | 2 | 6 | 2 | 1.2 | — | — | — | — | 0.011 | 51 | 37 |
| EF1243 | 1.1 | 680 | EF100L2 | 3.37 | 3.2 | 3.09 | 76.3 76.3 73.8 | 0.85 0.55 0.42 | 15.4 | 2 | 6 | 2 | 1.2 | — | — | — | — | 0.014 | 51 | 41 |
| EF1246 | 1.5 | 690 | EF112M | 4.21 | 4 | 3.86 | 78.4 78.5 77.3 | 0.89 0.6 0.46 | 20.8 | 2 | 6 | 2 | 1.2 | — | — | — | — | 0.022 | 53 | 44 |
| EF1249 | 2.2 | 710 | EF132S | 5.9 | 5.61 | 5.4 | 80.9 81 79.7 | 0.7 0.6 0.46 | 29.6 | 2 | 6 | 2 | 1.2 | — | — | — | — | 0.043 | 56 | 63 |
| EF1252 | 3 | 710 | EF132M | 7.76 | 7.37 | 7.11 | 82.7 82.9 82.5 | 0.71 0.52 0.48 | 40.4 | 2 | 6 | 2 | 1.2 | — | — | — | — | 0.055 | 56 | 72 |
| EF1255 | 4 | 720 | EF160M1 | 9.89 | 9.39 | 9.05 | 84.2 84.6 84.2 | 0.73 0.65 0.51 | 53.1 | 2 | 6 | 2 | 1.2 | 0.67 | 2 | — | — | 0.084 | 60 | 95 |
| EF4287 | 5.5 | 720 | EF160M2 | 13.3 | 12.7 | 12.2 | 85.8 86.2 85.8 | 0.73 0.65 0.51 | 73 | 2 | 6 | 2 | 1.2 | 0.67 | 2 | — | — | 0.11 | 60 | 110 |
| EF4290 | 7.5 | 720 | EF160L | 17.9 | 17 | 16.4 | 87.2 87.6 87.2 | 0.73 0.65 0.51 | 99.5 | 2 | 6 | 2 | 1.2 | 0.67 | 2 | — | — | 0.15 | 60 | 130 |
| EF4293 | 11 | 730 | EF180L | 25.8 | 24.5 | 23.6 | 88.8 89.2 88.8 | 0.73 0.65 0.52 | 144 | 2 | 6.5 | 2 | 1.1 | 0.67 | 2.2 | — | — | 0.27 | 62 | 185 |
| EF4296 | 15 | 730 | EF200L | 33.8 | 32.1 | 30.9 | 90 90.4 90 | 0.75 0.68 0.55 | 196 | 2 | 6.5 | 2 | 1.1 | 0.67 | 2.2 | — | — | 0.41 | 65 | 240 |
| EF4299 | 18.5 | 730 | EF225S | 40.8 | 38.7 | 37.3 | 90.7 91 90.7 | 0.76 0.69 0.56 | 242 | 1.9 | 6.5 | 2 | 1.1 | 0.63 | 2.2 | — | — | 0.58 | 65 | 270 |
| EF4302 | 22 | 730 | EF225M | 48.2 | 45.8 | 44.2 | 91.2 91.5 91.2 | 0.76 0.69 0.56 | 288 | 1.9 | 6.5 | 2 | 1.1 | 0.63 | 2.2 | — | — | 0.7 | 65 | 300 |
| EF4305 | 30 | 735 | EF250S | 62.6 | 59.5 | 57.4 | 92.1 92.5 92.1 | 0.79 0.73 0.61 | 390 | 1.9 | 6.5 | 2 | 1.1 | 0.63 | 2.2 | — | — | 1.1 | 67 | 400 |
| EF4308 | 37 | 735 | EF250M | 76.8 | 72.9 | 70.3 | 92.7 93.1 92.7 | 0.79 0.73 0.61 | 481 | 1.9 | 6.5 | 2 | 1.1 | 0.63 | 2.2 | — | — | 1.4 | 68 | 450 |
| EF4311 | 45 | 735 | EF280S | 92.9 | 88.2 | 85 | 93.2 93.6 93.2 | 0.79 0.74 0.62 | 585 | 1.9 | 6.5 | 2 | 1 | 0.63 | 2.2 | — | — | 2.1 | 68 | 560 |
| EF4311A | 55 | 735 | EF280M | 113 | 107 | 103 | 93.7 94.1 93.7 | 0.79 0.74 0.62 | 715 | 1.8 | 6.5 | 2 | 1 | 0.6 | 2.2 | — | — | 2.9 | 74 | 670 |
| EF4317 | 75 | 740 | EF315S | 149 | 142 | 136 | 94.4 94.5 94.3 | 0.81 0.75 0.63 | 968 | 1.8 | 6.5 | 2 | 0.9 | 0.6 | 2.2 | — | — | 6.4 | 74 | 980 |
| EF4320 | 90 | 740 | EF315M | 178 | 169 | 163 | 94.7 95.1 94.7 | 0.81 0.76 0.65 | 1161 | 1.8 | 6.5 | 2 | 0.9 | 0.6 | 2.2 | — | — | 7 | 74 | 1050 |
| EF4323 | 110 | 740 | EF315L | 217 | 206 | 199 | 95.1 95.3 95 | 0.81 0.76 0.65 | 1420 | 1.8 | 6.5 | 2 | 0.9 | 0.6 | 2.2 | — | — | 8.1 | 74 | 1150 |
| EF4326 | 132 | 740 | EF355M1 | 260 | 247 | 238 | 95.4 95.5 95.2 | 0.81 0.77 0.67 | 1704 | 1.8 | 6.5 | 2 | 0.9 | 0.6 | 2.2 | — | — | 12 | 82 | 1580 |
| EF4329 | 160 | 740 | EF355M2 | 310 | 294 | 284 | 95.7 95.8 95.5 | 0.82 0.78 0.68 | 2065 | 1.8 | 6.5 | 2 | 0.9 | 0.6 | 2.2 | — | — | 15 | 82 | 1840 |
| EF4335 | 200 | 740 | EF355L | 387 | 368 | 355 | 95.7 95.8 | 0.82 0.78 | 2581 | 1.8 | 6.5 | 2 | 0.9 | 0.6 | 2.2 | — | — | 17 | 82 | 1920 |