# MOTOR MAC QI 132 L

Parámetros motor / *Motor parameters*

Fecha - Date 24-03-15

PLACA DE CARACTERÍSTICAS / *NAMEPLATE DATA*

| | QI 132 L Bob. 111 | QI 132 L Bob. 211 | QI 132 L Bob. 112 | QI 132 L Bob. 121 | QI 132 L Bob. 212 | QI 132 L Bob. 221 | QI 132 L Bob. 122 | QI 132 L Bob. 141 | QI 132 L Bob. 222 | QI 132 L Bob. 241 | QI 132 L Bob. 142 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Nm | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 |
| rpm | 386 | 564 | 744 | 865 | 1044 | 1224 | 1584 | 1825 | 2184 | 2515 | 3235 |
| KW | 7.3 | 10.6 | 14.0 | 16.3 | 19.7 | 23.1 | 29.8 | 34.4 | 41.1 | 47.4 | 60.9 |
| V | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 |
| A | 17.5 | 23.0 | 28.9 | 33.8 | 39.1 | 45.4 | 57.5 | 66.5 | 78.4 | 90.7 | 115.3 |
| Hz | 14.0 | 20.0 | 26.0 | 30.0 | 36.0 | 42.0 | 54.0 | 62.0 | 74.0 | 85.0 | 109.0 |
| Cos fi | 0.82 | 0.83 | 0.83 | 0.82 | 0.83 | 0.83 | 0.83 | 0.82 | 0.82 | 0.82 | 0.82 |
| Rend / eff. | 0.73 | 0.81 | 0.85 | 0.86 | 0.88 | 0.89 | 0.91 | 0.91 | 0.92 | 0.92 | 0.93 |
| J (Kg m2) | 0.080 | 0.080 | 0.080 | 0.080 | 0.080 | 0.080 | 0.080 | 0.080 | 0.080 | 0.080 | 0.080 |

ESQUEMA EQUIVALENTE POR FASE EN ESTRELLA / *PHASE STAR EQUIVALENT SCHEMA*

| | QI 132 L Bob. 111 | QI 132 L Bob. 211 | QI 132 L Bob. 112 | QI 132 L Bob. 121 | QI 132 L Bob. 212 | QI 132 L Bob. 221 | QI 132 L Bob. 122 | QI 132 L Bob. 141 | QI 132 L Bob. 222 | QI 132 L Bob. 241 | QI 132 L Bob. 142 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Rs (mOhm) | 1537.12 | 830.98 | 512.37 | 384.28 | 276.99 | 207.74 | 128.09 | 96.07 | 69.25 | 51.94 | 32.02 |
| Rr (mOhm) | 1136.80 | 611.34 | 378.93 | 284.20 | 203.78 | 152.84 | 94.73 | 71.05 | 50.95 | 38.21 | 23.68 |
| Rfe (Ohm) | 760.95 | 551.73 | 419.57 | 349.73 | 284.76 | 236.39 | 170.73 | 138.33 | 108.71 | 87.11 | 60.07 |
| Ls (mH) | 14.75 | 7.93 | 4.92 | 3.69 | 2.64 | 1.98 | 1.23 | 0.92 | 0.66 | 0.50 | 0.31 |
| Lr (mH) | 18.08 | 9.20 | 5.63 | 4.32 | 3.01 | 2.26 | 1.40 | 1.06 | 0.75 | 0.57 | 0.35 |
| Lm (mH) | 281.46 | 163.52 | 102.17 | 72.58 | 54.87 | 41.34 | 25.66 | 18.82 | 13.67 | 10.09 | 6.30 |
| Ts (s) | 0.19 | 0.21 | 0.21 | 0.20 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.20 | 0.21 |
| Tr (s) | 0.26 | 0.28 | 0.28 | 0.27 | 0.28 | 0.29 | 0.29 | 0.28 | 0.28 | 0.28 | 0.28 |
| Kt | 346.83 | 254.34 | 200.24 | 173.41 | 146.84 | 127.17 | 100.12 | 86.71 | 73.42 | 63.59 | 50.06 |
| Im (A/fase) | 7.8 | 9.7 | 12.2 | 15.0 | 16.7 | 19.1 | 24.3 | 28.8 | 33.5 | 39.4 | 49.6 |

