

4.0 - RATING CHART

| Pn kW |  | n min ⁻¹ | Mn Nm | η % | cos φ | I _n (230 V) A | M _{max} /M _n | J _m × 10 ⁻⁴ kgm ² |  | I _s /I _n | M _s /M _n | C _{run} μF | I _s /I _n | M _s /M _n | C _{run} μF | C _{start} μF |
|----------|---|------------------------|----------|--------|-------|--------------------------------|----------------------------------|---|---|--------------------------------|--------------------------------|------------------------|--------------------------------|--------------------------------|------------------------|--------------------------|
| 0.06 | BS 56A 4 BS 44B 4 | 1400 | 0.41 | 47 | 0.91 | 0.61 | 2 | 1.6 | 3.3 | 2.6 | 0.9 | 5 | 3.0 | 2.1 | 5 | 6.3 |
| 0.09 | BS 56B 4 BS 27C 4 BS 44C 4 | 1350 | 0.64 | 51 | 0.98 | 0.78 | 1.6 | 1.6 | 3.3 | 2.0 | 0.7 | 6.3 | 2.3 | 1.9 | 6.3 | 10 |
| 0.12 | BS 63A 4 | 1340 | 0.86 | 48 | 0.95 | 1.14 | 1.9 | 2.8 | 4.5 | 2.1 | 1.3 | 8 | 2.6 | 2.4 | 8 | 6.3 |
| 0.18 | BS 63B 4 | 1280 | 1.34 | 49 | 0.87 | 1.84 | 1.6 | 3.4 | 5.1 | 1.8 | 0.9 | 8 | 2.6 | 2.0 | 8 | 10 |
| 0.25 | BS 71A 4 | 1330 | 1.80 | 54 | 0.96 | 2.10 | 1.9 | 8.6 | 7 | 2.4 | 1.1 | 12.5 | 3.0 | 2.3 | 12.5 | 12.5 |
| 0.37 | BS 71B 4 | 1310 | 2.7 | 56 | 0.96 | 2.99 | 1.7 | 9.6 | 7.6 | 2.2 | 1.0 | 16 | 2.8 | 2.1 | 16 | 16 |
| 0.55 | BS 80A 4 | 1380 | 3.8 | 68 | 0.92 | 3.82 | 1.6 | 20 | 9.9 | 3.0 | 0.6 | 16 | 3.5 | 1.8 | 16 | 25 |
| 0.75 | BS 80B 4 | 1360 | 5.3 | 67 | 0.95 | 5.12 | 1.6 | 25 | 11 | 2.9 | 0.6 | 25 | 3.5 | 1.7 | 25 | 30 |
| 1.1 | BS 90S 4 | 1300 | 8.1 | 64 | 0.96 | 7.8 | 1.5 | 26 | 12.6 | 2.3 | 0.7 | 35 | 2.8 | 1.8 | 35 | 45 |
| 1.5 | BS 90L 4 | 1300 | 11.0 | 64 | 0.95 | 10.7 | 1.5 | 31 | 15.1 | 2.5 | 0.5 | 40 | 3.0 | 1.6 | 40 | 45 |

| Simb. | u.m. | Descrizione |
|--------------------|---------------------|--------------------------------|
| C _{run} | μF | Capacity of run capacitor |
| C _{start} | μF | Capacity of starting capacitor |
| cos φ | — | Power factor |
| η | — | Efficiency |
| I _n | [A] | Rated current |
| I _s | [A] | Starting current |
| J _m | [kgm ²] | Motor moment of inertia |

| Simb. | u.m. | Descrizione |
|----------------|----------------------|---------------------|
| M _k | [Nm] | Breakdown torque |
| M _n | [Nm] | Rated torque |
| M _s | [Nm] | Starting torque |
| n | [min ⁻¹] | Rated speed |
| Pn | [kW] | Rated power |
| ta | [°C] | Ambient temperature |

