

轴流风机性能参数及分析

| 机号 | 叶轮直径 (mm) | 叶轮周速 (m/s) | 主轴转速 (r/min) | 叶片角度 (°) | 风量 (m3/h) | 风量变化 率 | 风压 (Pa) | 风压变化 率 | 配套电机 | | | 需用 轴功率 |
|------|--------------|---------------|-----------------|-------------|--------------|-----------|------------|-----------|------------------|-------------|------------|-----------|
| | | | | | | | | | 型号 | 额定电流 (A) | 功率 (KW) | |
| 4# | 390 | 60.7 | 2900 | 15° | 4806 | / | 316 | / | / | / | / | / |
| | | | | 20° | 6316 | 31.4% | 352 | 11.4% | / | / | / | / |
| | | | | 25° | 7826 | 23.9% | 361 | 2.6% | M2BAX90LA | 4.58 | 2.2 | 0.86 |
| | | | | 30° | 8513 | 8.8% | 388 | 7.5% | | | 2.2 | 1.02 |
| | | | | 35° | 9336 | 9.7% | 483 | 24.5% | | | 2.2 | 1.43 |
| 4.5# | 440 | 68.3 | 2900 | 15° | 6854 | / | 400 | / | / | / | / | / |
| | | | | 20° | 9008 | 31.4% | 448 | 12.0% | / | / | / | / |
| | | | | 25° | 11162 | 23.9% | 460 | 2.7% | M2BAX100LA | 6.15 | 3 | 1.56 |
| | | | | 30° | 12140 | 8.8% | 492 | 7.0% | | | 3 | 1.85 |
| | | | | 35° | 13316 | 9.7% | 612 | 24.4% | | | 3 | 2.58 |
| 5# | 490 | 75.9 | 2900 | 15° | 9400 | / | 496 | / | / | / | / | / |
| | | | | 20° | 12356 | 31.4% | 552 | 11.3% | M2BAX112MA | 8.04 | 3 | 2.11 |
| | | | | 25° | 15310 | 23.9% | 564 | 2.2% | M2BAX100LA/112MA | 6.15/8.04 | 3/4 | 2.63 |
| | | | | 30° | 16654 | 8.8% | 608 | 7.8% | M2BAX112MA | 8.04 | 4 | 3.14 |