

# Three Phase Induction Motor - Squirrel Cage



|              |                                               |                |          |
|--------------|-----------------------------------------------|----------------|----------|
| Product line | : General NEMA Premium Efficiency Three-Phase | Product code : | 10563023 |
|--------------|-----------------------------------------------|----------------|----------|

| Output         | 25%  | 50%  | 75%  | 100% | Foundation loads |      |      |      |                  |          |
|----------------|------|------|------|------|------------------|------|------|------|------------------|----------|
| Efficiency (%) | 82.0 | 82.2 | 82.5 | 81.5 | 85.5             | 84.0 | 85.5 | 82.5 | Max. traction    | : 80 lb  |
|                | 80.7 | 80.7 | 81.5 | 81.5 | 82.0             | 82.0 | 82.5 | 82.5 |                  |          |
| Power Factor   | 0.29 | 0.38 | 0.54 | 0.65 | 0.68             | 0.77 | 0.76 | 0.84 | Max. compression | : 119 lb |
|                | 0.36 | 0.34 | 0.63 | 0.61 | 0.75             | 0.73 | 0.82 | 0.80 |                  |          |

|                      | <u>Drive end</u>     | <u>Non drive end</u> |
|----------------------|----------------------|----------------------|
| Bearing type         | 6205 ZZ              | 6204 ZZ              |
| Sealing              | Without Bearing Seal | Without Bearing Seal |
| Lubrication interval | -                    | -                    |
| Lubricant amount     | -                    | -                    |
| Lubricant type       | Mobil Polyrex EM     |                      |

Notes:

- (1) Looking the motor from the shaft end.
- (2) Measured at 1m and with tolerance of +3dB(A).
- (3) Approximate weight subject to changes after manufacturing process.
- (4) At 100% of full load.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.

|              |                 |  |           |               |          |
|--------------|-----------------|--|-----------|---------------|----------|
| Rev.         | Changes Summary |  | Performed | Checked       | Date     |
|              |                 |  |           |               |          |
| Performed by |                 |  |           | Page<br>1 / 1 | Revision |
| Checked by   |                 |  |           |               |          |
| Date         | 25/03/2024      |  |           |               |          |