

# Three Phase Induction Motor - Squirrel Cage



Product line : Rolled Steel JM Pump High Efficiency Three-Phase      Product code : 12676940

| Output         | 25%  | 50%  | 75%  | 100% | Foundation loads |      |      |      |                  |          |
|----------------|------|------|------|------|------------------|------|------|------|------------------|----------|
| Efficiency (%) | 89.9 | 91.1 | 89.5 | 88.4 | 90.2             | 87.0 | 89.5 | 84.1 | Max. traction    | : 405 lb |
|                | 88.8 |      | 87.5 |      | 87.5             |      | 85.8 |      |                  |          |
| Power Factor   | 0.41 | 0.47 | 0.68 | 0.75 | 0.79             | 0.85 | 0.85 | 0.89 | Max. compression | : 531 lb |
|                | 0.40 |      | 0.67 |      | 0.80             |      | 0.86 |      |                  |          |

|                      | <u>Drive end</u>     | <u>Non drive end</u> |
|----------------------|----------------------|----------------------|
| Bearing type         | 6209 ZZ              | 6206 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         | 29/03/2024      |  |           |               |          |