# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage

| | |
|---|---|
| Customer | : Galco Industrial Electronics |

| | | | |
|---|---|---|---|
| Product line | : Rolled Steel NEMA Premium Efficiency Three-Phase | Product code : | 12677339 |
| | | Catalog # : | 01018ET3ER215TC-S |

| | | | |
|---|---|---|---|
| Frame | : 213/5TC | Locked rotor time | : 27s (cold) 15s (hot) |
| Output | : 10 HP (7.5 kW) | Temperature rise | : 80 K |
| Poles | : 4 | Duty cycle | : Cont.(S1) |
| Frequency | : 60 Hz | Ambient temperature | : -20°C to +40°C |
| Rated voltage | : 230/460 V | Altitude | : 1000 m.a.s.l. |
| Rated current | : 24.4/12.2 A | Protection degree | : IP55 |
| L. R. Amperes | : 171/85.4 A | Cooling method | : IC411 - TEFC |
| LRC | : 7.0x(Code H) | Mounting | : W-6 |
| No load current | : 11.1/5.54 A | Rotation[1] | : Both (CW and CCW) |
| Rated speed | : 1760 rpm | Noise level[2] | : 60.0 dB(A) |
| Slip | : 2.22 % | Starting method | : Direct On Line |
| Rated torque | : 4.12 kgfm | Approx. weight[3] | : 64.4 kg |
| Locked rotor torque | : 250 % | | |
| Breakdown torque | : 300 % | | |
| Insulation class | : F | | |
| Service factor | : 1.15 | | |
| Moment of inertia (J) | : 0.0451 kgm² | | |
| Design | : B | | |

| Output | 25% | 50% | 75% | 100% |
|---|---|---|---|---|
| Efficiency (%) | 90.2 | 91.0 | 91.0 | 91.7 |
| Power Factor | 0.41 | 0.67 | 0.78 | 0.84 |

| Foundation loads | |
|---|---|
| Max. traction | : 214 kgf |
| Max. compression | : 279 kgf |

| | | Drive end | Non drive end |
|---|---|---|---|
| Bearing type | : | 6208 ZZ | 6206 ZZ |
| Sealing | : | V'Ring | V'Ring |
| Lubrication interval | : | - | - |
| Lubricant amount | : | - | - |
| Lubricant type | : | Mobil Polyrex EM | |

Notes
USABLE @208V 27.0A SF 1.00 SFA 27.0A

This revision replaces and cancel the previous one, which must be eliminated.
(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 | | | | |
| Checked by | | | Page | Revision |
| Date | 21/08/2020 | | 1 / 1 | |

This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.
Subject to change without notice