## PRODUCT INFORMATION PACKET

Model No: TCA2P21A3113GACD01
Catalog No: TCA2P21A3113GACD01
2.2 kW General Purpose Low Voltage IEC Motor, 3 phase, 3000 RPM, 415 V, 90 L Frame, TEFC Cast Iron IE3 Efficiency Motors


Product Information Packet: Model No: TCA2P21A3113GACD01, Catalog No:TCA2P21A3113GACD01 2.2 kW General Purpose Low Voltage IEC Motor, 3 phase, 3000 RPM, 415 V, 90 L Frame, TEFC

## Nameplate Specifications

| Output HP | $\mathbf{3 ~ H p}$ | Output KW | $\mathbf{2 . 2 ~ k W ~}$ |  |
| :--- | :--- | :--- | :--- | :--- |
| Frequency | 50 Hz | Voltage | $\mathbf{4 1 5 ~ V}$ |  |
| Current | 4.0 A | Speed | $\mathbf{2 8 8 3 ~ r p m ~}$ |  |
| Service Factor | 1 | Phase | $\mathbf{3}$ |  |
| Efficiency | $85.9 \%$ | Power Factor | $\mathbf{0 . 8 9}$ |  |
| Duty | $\mathbf{S 1}$ | Insulation Class | F |  |
| Frame | 90 L | Enclosure | Totally Enclosed Fan Cooled |  |
| Ambient Temperature | $50^{\circ} \mathrm{C}$ | Drive End Bearing Size | $\mathbf{6 2 0 5}$ |  |
| Opp Drive End Bearing Size | 6205 | UL | No |  |
| CSA | No | CE | Yes |  |
| IP Code | 55 |  |  |  |

Technical Specifications

| Electrical Type | Squirrel Cage | Starting Method | Direct On Line |
| :--- | :--- | :--- | :--- |
| Poles | $\mathbf{2}$ | Rotation | Bi-Directional |
| Mounting | B3 | Motor Orientation | Horizontal |
| Drive End Bearing | $2 z-C 3$ | Opp Drive End Bearing | 2z-C3 |
| Frame Material | Cast Iron | Shaft Type | Keyed |
| Overall Length | $\mathbf{3 3 2 ~ m m}$ | Frame Length | $\mathbf{1 5 3 ~ m m ~}$ |
| Shaft Diameter | $\mathbf{2 4 ~ m m}$ | Shaft Extension | $\mathbf{5 0 ~ m m ~}$ |
| Assembly/Box Mounting | R Side | Connection Drawing |  |
| Outline Drawing | $\mathbf{0 2 0 9 0 0 0 8 9 8}$ |  | $\mathbf{8 4 4 2 0 0 0 0 8 5}$ |

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$\mathrm{T}_{\mathrm{K}} / \mathrm{T}_{\mathrm{N}}$ - Breakdown Torque / Rated Torque
note
All performance parameters are subjected to standard tolerance as per IEC 60034-1
*Voltage, Frequency and combine variation are as per IEC60034-1

| Efficiency | Europe | China | India | Aus/Nz | Brazil | Global IEC |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Standards | - | - | IS $12615: 2018$ | - | - | - |

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| Load Point |  | NL | 1／4FL | 1／2FL | 3／4FL | FL | 5／4FL |
| Current | A | 1.6 | 1.9 | 2.4 | 3.2 | 4.0 |  |
| Torque | Nm | 0.0 | 1.8 | 3.6 | 5.5 | 7.4 |  |
| Speed | r／min | 3000 | 2972 | 2946 | 2916 | 2883 |  |
| Efficiency | \％ | 0.0 | 79.0 | 85.1 | 85.9 | 85.9 |  |
| Power factor | \％ | 11.4 | 52.6 | 73.0 | 84.0 | 89.0 |  |


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