## PRODUCT INFORMATION PACKET

Model No: TCA18P1A3113GACD01
Catalog No: TCA18P1A3113GACD01
18.5 kW General Purpose Low Voltage IEC Motor, 3 phase, 3000 RPM, 415 V, 160 L Frame, TEFC Cast Iron IE3 Efficiency Motors


Product Information Packet: Model No: TCA18P1A3113GACD01, Catalog No:TCA18P1A3113GACD01 18.5 kW General Purpose Low Voltage IEC Motor, 3 phase, 3000 RPM, 415 V, 160 L Frame, TEFC

## Nameplate Specifications

| Output HP | 25 Hp | Output KW | 18.5 kW |
| :---: | :---: | :---: | :---: |
| Frequency | 50 Hz | Voltage | 415 V |
| Current | 30.3 A | Speed | 2948 rpm |
| Service Factor | 1 | Phase | 3 |
| Efficiency | 92.4 \% | Power Factor | 0.92 |
| Duty | S1 | Insulation Class | F |
| Frame | 160L | Enclosure | Totally Enclosed Fan Cooled |
| Ambient Temperature | $50^{\circ} \mathrm{C}$ | Drive End Bearing Size | 6309 |
| Opp Drive End Bearing Size | 6209 | 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 | $\mathbf{2 z - C 3}$ |
| Frame Material | Cast Iron | Shaft Type | Keyed |
| Overall Length | $\mathbf{6 6 6 ~ m m}$ | Frame Length | $\mathbf{2 9 8 ~ m m ~}$ |
| Shaft Diameter | 42 mm | Shaft Extension | $\mathbf{1 1 0 ~ m m ~}$ |
| Assembly/Box Mounting | R Side | Outline Drawing |  |
| Connection Drawing | 8442000085 | $\mathbf{0 2 1 6 0 0 0 8 1 3}$ |  |

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:06/01/2020



4 of 7

Model No. TCA18P1A3113GACD01

$T_{k} / T_{N}$ - 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 $12615: 2018$ | - | - | - |

- 



| Motor Speed Torque Data |  |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Load Point |  | LR | P-Up | BD | Rated | NL |
| Speed | $\mathrm{r} / \mathrm{min}$ | 0 | 600 | 2635 | 2948 | 3000 |
| Current | A | 224.1 | 201.6 | 133.9 | 30.3 | 7.8 |
| Torque | pu | 2.4 | 2.0 | 3.3 | 1 | 0 |




Model No. TCA18P1A3113GACD01

## รIIEVId8IVOL ${ }^{\circ}$ ON IPpow

marathon

Uncontrolled Copy
$\mathbf{X} \mathbf{V W}$ рлว』


