Data sheet for three-phase Squirrel-Cage-Motors INNOMOTICS



| | | | | | | | | | | | | | | | \rightarrow | | |
|---|--|--|--|--|--|--|--|-----------------|-----------------|--|---|---|--|---------------------------------|--------------------------------|--------------------------------|---------|
| Motor | type : | 1CV33 | 17B | | | IN | NOMOTICS | SD - 31 | 5 L - IM | В3 - 4р | | | | | | | |
| Client order no. Order no. | | | | | lte | Item-No. Consignment no. | | | | | Offe | Offer no. Project | | | | | |
| | | | | | Co | | | | | | Proje | | | | | | |
| Remarks | | | | | | | | | | | | | | | | | |
| Electric | cal data | a | | | | | | | | | Saf -/- | e Area | | | | | |
| U | Δ/Υ | f | Р | Р | I | n | М | | η ³⁾ | | | cosφ ³ |) | I _A /I _N | M _A /M _N | M _K /M _N | IE-CL |
| [V] | | [Hz] | [kW] | [hp] | [A] | [1/min] | [Nm] | 4/4 | 3/4 | 2/4 | 4/4 | 3/4 | 2/4 | I _I /I _N | T _I /T _N | T _B /T _N | |
| | | | | | ı | DC | L duty (S1) | - 155(F |) to 130 | (B) | | | | | | | |
| 400 | Δ | 50 | 315.00 | -/- | 570.00 | 1490 | 2000.0 | 96.0 | 96.0 | 95.6 | 0.83 | 0.80 | 0.70 | 8.5 | 3.2 | 3.5 | IE3 |
| 690 | Y | 50 | 315.00 | -/- | 330.00 | 1490 | 2000.0 | 96.0 | 96.0 | 95.6 | 0.83 | 0.80 | 0.70 | 8.5 | 3.2 | 3.5 | IE3 |
| 460 | Δ | 60 60 | 315.00 | -/- -/- | 495.00 | 1792 | 1680.0 | 96.2 | 96.0 | 95.3 | 0.83 | 0.78 | 0.69 | 9.4 | 3.4 | 3.7 | IE3 |
| 460 | | 60 | 360.00 | - - | 560.00 | 1790 | 1920.0 | 96.2 | 96.1 | 95.6 | 0.84 | 0.80 | 0.72 | 8.3 | 3.0 | 3.2 | IE3 |
| IM B3 / I | M1001 | | FS 315 L | | | IP55 | UKCA | IEC/EN | 60034 | IEC, DIN | ISO, VDE, | EN, GB 18 | 8613-2012 | | | Gra | de 3 |
| | | Enviror | mental co | nditions : | -20 °C - +4 | 0 °C / 10 | 00 m | | | Loc | ked roto | or time | (hot / col | d) : 20. | 7 s 41.4 | 1 s | |
| Mecha | nical d | ata | | | | | | | | | | | | | | | |
| Sound | level (SF | PL / SWL) | at 50Hz 60H | Hz 75 / | 90 dB(A) ²⁾ | 81 / | 95 dB(A) ^{2) 3)} | Exte | rnal earth | ing term | inal | | | (Sta | andard) Ye | es | |
| · | | | | | 5.3 | 900 kg m² | | Vibra | ation seve | rity grad | e | | | | Grade A | | |
| Bearing | DE NE | DE | | | 6319 C4 | | 6319 C4 | Ther | mal class | | | F | | | | | |
| permis (N) | sible late | eral force | e on (N) | 9 | κ ₀ : 300 | X _{0.5} : X _{max} : Duty type 8650 8000 | | | | | S1 | | | | | | |
| bearin | g lifetin | | | | | Direction of rotation | | | | | | bidirectional | | | | | |
| L _{10mh} F ₁ 50 60F | _{Rad min} for Iz ¹⁾ | couplin | g operation | | 40000 h | 32000 h Frame material | | | | | cast iron | | | | | | |
| Relubrication interval/quantity DE NDE | | | | 40 | 40 g 40 g 6000 h Net weight of the motor | | | | or | kg | | | | | | | |
| Lubricants | | | | U | UNIREX N3 Coating (paint finish) | | | | | Special paint finish C3 | | | | | | | |
| Regreasing device Flat type | | | | Flat type lu | e lubricating nipple Color, paint shade | | | | | RAL7030 | | | | | | | |
| Grease nipple M1 | | | | M10x | 0x1 DIN 3404 A Motor protection | | | | | 3 PTC thermistors - for tripping (2 terminals) | | | | | | | |
| • | | | | Locatin | iting bearing NDE Method of cooling | | | | | IC411 - self ventilated, surface cooled | | | | | | | |
| 31 | | | | | (Sta | Standard) Yes | | | | | | | | | | | |
| Termir | nal box | | | | | | | | | | | | | | | | |
| Terminal box position box at 1 | | | | box at the | the top, socket right Max. cross-sectional area | | | | ea | 240 mm ² | | | | | | | |
| Material of terminal box | | | | C | cast iron Cable diameter from to | | | | . to | 42 mm - 54 mm | | | | | | | |
| Type of terminal box | | | | 1 | TB3Q61 Cable entry | | | | | | 2xM63x1,5 - 2xM20x1,5 | | | | | | |
| Contac | t screw t | thread | | | | 6xM12 Cable gland | | | | | | | | 4 plugs | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| $M_A/M_N = local$ | | orque / toro | jue nominal | | L_{10mh} according t at rated power I | | 10/2010 | | | 3) V | alue is valid | only for DOI | L operation wit | th motor de | sign IC411 | | |
| $M_A/M_N = los$ $M_K/M_N = brown$ | cked rotor t eak down to | orque / toro orque / non | ue nominal ninal torque | 2) | at rated power / | at full load as utilization o | f its contents and o patent grant or re | | | others witho | ut express au | thorization | | | | able for payı | ment of |
| $M_A/M_N = loc$ $M_K/M_N = bro$ Transm | cked rotor t eak down to | orque / toro orque / non duction, dis | ue nominal ninal torque semination and/or | 2) | at rated power <i>l</i> document as well damages. All ri | at full load as utilization o | f its contents and | | utility mode | others witho or design pa Tech | ut express au atent are rese anical data a | thorization rved. re subject t | are prohibited | . Offenders ere may be | will be held li | | ment of |
| $M_A/M_N = loc$ $M_K/M_N = bro$ Transm | cked rotor t eak down to iittal, reproc | orque / toro orque / non duction, dis | ue nominal ninal torque semination and/or | 2) editing of this o | at rated power / document as well damages. All ri | at full load as utilization o | f its contents and | gistration of a | utility mode | others witho | ut express au atent are rese anical data a repancies be | thorization rved. re subject t | are prohibited | . Offenders ere may be | will be held li | | ment of |
| $M_A/M_N = loo$ $M_K/M_N = brown$ Transm | cked rotor t eak down to iittal, reproc | orque / toro orque / non duction, dis | jue nominal ninal torque semination and/or | 2) editing of this o | at rated power I document as well damages. All ri | at full load as utilization o ghts created by Created by | f its contents and | gistration of a | utility mode | others witho | ut express au atent are rese unical data a repancies be es. | thorization rved. re subject t | are prohibited to change! The | . Offenders ere may be | will be held li | | ment of |
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| Motor ty | /pe :1CV331/B | | INNON | 1011CS SD - 315 L - | IM B3 - 4p |) | | | |
|-------------|------------------------------------|-------------------------------------|------------------------------|------------------------------------|-----------------|-----------------------|-------------------------------|-----------------------|-------------------|
| Special | design | | | | | | | | |
| B12 | Sea worthy packagin | 10 | | D34 | China Ene | ergy Efficiency L | ahel | | |
| ыг | Sea Worting packagin | ig . | | 551 | Cilila Liic | ergy Erricicitey E | ubei | | |
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