



PART Nr. / NUMERO DE PARTE: 1LE22251CB314AA3

TYPE / TIPO: GP100

PHASE / FASES: 3

CONNECTION / CONECCIÓN: YY-Y

| ABB                                 |            |                   |                  |          |                            |              |                   |         |                   |
|-------------------------------------|------------|-------------------|------------------|----------|----------------------------|--------------|-------------------|---------|-------------------|
| TIPO:                               | GP100      | No. PARTE:        | 1LE22251CB314AA3 | 184T     | IP 55                      | 3PH          | TCVE              | NEMA B  |                   |
| BALEROS                             |            |                   | No. SERIE:       |          |                            |              | SERVICIO CONTINUO |         |                   |
| L. EJE                              | 6206 ZZ C3 |                   | AI SL. CLASE:    | F        | L. COD. KVA:               | J            | PESO:             | 52 kg   |                   |
| L. VENT                             | 6206 ZZ C3 |                   | TEMP. AMB.:      | 40°C     | INC. TEMP: 90°C @ F.S. 1.0 |              | EFICIENCIA        |         |                   |
| CP                                  | kW         | min <sup>-1</sup> | V                | A        | Hz                         | F.S.         | A.F.S.            | η nom % | η min %           |
| 5                                   | 3.73       | 1 735             | 230/460          | 13.5/6.7 | 60                         | 1.15         | 15.5/7.7          | 89.5    | 87.5              |
| <b>CONEXIÓN</b>                     |            |                   |                  |          |                            |              |                   |         |                   |
| COMPATIBLE USO VDF A 1.0 F.S.       |            |                   | Bajo Voltaje     |          |                            | Alto Voltaje |                   |         | NOM-016-ENER-2016 |
| 20:1 T.V., 4:1 T.C.                 |            |                   |                  |          |                            |              |                   |         |                   |
| LUBRICAR SEGUN INSTRUCTIVO          |            |                   |                  |          |                            |              |                   |         |                   |
| Hecho en México por ABB NEMA MOTORS |            |                   |                  |          |                            |              |                   |         |                   |

\*\*Actual nameplate will include certification marks for ex: UR, DOE, CE, CSA, NEMA PREMIUM, etc.

\*\*La placa de datos del motor incluye logos de certificación, por ejemplo: UR, DOE, CE, CSA, NEMA PREMIUM, etc.



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**Data sheet for three-phase Squirrel-Cage-Motors / Hoja de datos de Motores Trifásicos Jaula de Ardilla**

| U<br>[V]      | Δ / Y  | f<br>[Hz]   | P<br>[HP] | P<br>[kW] | n<br>[rpm]                | I Load [Amps] |               |                  |                            |       | Nom. Eff Load [%] |        |       | Pwr. Factor Load [%] |      |      | Torque<br>[lb-ft] | T <sub>A</sub> /T <sub>N</sub><br>LRT [%] | T <sub>K</sub> /T <sub>N</sub><br>BDT [%] |
|---------------|--------|---|-----------|-----------|---------------------------|---------------|---------------|------------------|----------------------------|-------|-------------------|--------|-------|----------------------|------|------|-------------------|---|---|
|               |        |   |           |           |                           | 4/4           | 3/4           | 1/2              | 0                          | LRC   | 4/4               | 3/4    | 1/2   | 4/4                  | 3/4  | 1/2  |                   |   |   |
| 230/460       | YY / Y | 60.0  | 5.0       | 3.7       | 1 735                     | 13.4/6.7      | 10.8/5.4      | 8.4/4.2          | 6/3                        | 92/46 | 89.5              | 90.0   | 89.2  | 80.5                 | 75.1 | 63.6 | 15.0              | 220.0                                     | 350.0                                     |
| Frame 184T    |        | Type of constr.: FOOT MOUNTED                             |           |           | SERVICIO CONTINUO         |               | AISL.CLASE: F |                  | WHITOUT WINDING PROTECTION |       |                   | NEMA B |       | F.S. 1.15            |      |      |                   |   |   |
| Mtr WT: 52 kg |        | Mounting: MOUNTING - F 1 & W-6 FOR VERTICAL MOTORS P-BASE |           |           | INC.TEMP: 90°C @ F.S. 1.0 |               |               | TEMP. AMB.: 40°C |                            |       | L.COD.K VA: J     |        | IP 55 |                      |      |      |                   |   |   |

**Mechanical data / Datos Mecánicos**

**WK2**

|                              |        |                    |
|------------------------------|--------|--------------------|
| Rotor Moment of Inertia:     | 0.2529 | lb-ft <sup>2</sup> |
| Ext Load Inertia Capability: | 27     | lb-ft <sup>2</sup> |

**Safe Stall Time**

|       |        |
|-------|--------|
| Hot:  | 14 Sec |
| Cold: | 29 Sec |

**Typical Noise Data**

|                  |          |
|------------------|----------|
| A-weighted Sound |          |
| Sound Pressure:  | 57 dB(A) |
| Sound Power:     | 67 dB(A) |

|                                       |   |     |      |      |      |      |       |
|---------------------------------------|---|-----|------|------|------|------|-------|
| Octave Band Center Frequencies Hertz: | This values are for the standard bearing configuration. |     |      |      |      |      |       |
|                                       | 250   | 500 | 1000 | 2000 | 4000 | 8000 | Hz    |
| SPL@3 feet                            | 42  | 46  | 54   | 49   | 43   | 32   | dB(A) |

**Bearings / Baleros**

|               | DE         | NDE        |
|---------------|------------|------------|
| Bearing size: | 6206 ZZ C3 | 6206 ZZ C3 |

**Ventilation Type / Tipo de Ventilación**

|                  |               |               |              |
|------------------|---------------|---------------|--------------|
| Type of Cooling: | TCVE          | Fan Material: | Polypropylen |
| Fan Rotation:    | Bidirectional |               |              |

**Grease / Grasa**

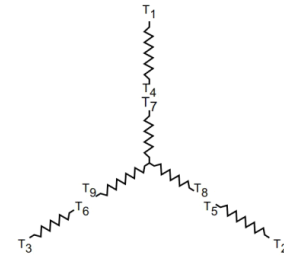
|            |                     |
|------------|---------------------|
| Type:      | Mobil Polyrex       |
| Thickener: | Polyurea (Standard) |

**Frame / Armazón**

|                         |                              |
|-------------------------|------------------------------|
| Frame material:         | Cast Iron                    |
| Coating (paint finish): | Standard Alkyed + Epoxy (C2) |
| Color, paint shade:     | Dark Charcoal Gray Metallic  |

**Terminal box / Caja de Terminales**

|                        |                               |
|------------------------|-------------------------------|
| Terminal box position: | Conduit Box (Entry from feet) |
|------------------------|-------------------------------|



**3 PHASE - 9 LEAD - WYE**

| VOLTS | LINES                         |                               |                               | CONNECTED TOGETHER  | CONN. |
|-------|-------------------------------|-------------------------------|-------------------------------|---|-------|
|       | L1                            | L2                            | L3                            |   |       |
| LOW   | T <sub>1</sub> T <sub>7</sub> | T <sub>2</sub> T <sub>8</sub> | T <sub>3</sub> T <sub>9</sub> | T <sub>4</sub> T <sub>5</sub> T <sub>6</sub>  | YY    |
| HIGH  | T <sub>1</sub>                | T <sub>2</sub>                | T <sub>3</sub>                | T <sub>4</sub> T <sub>7</sub> -T <sub>5</sub> T <sub>8</sub> -T <sub>6</sub> T <sub>9</sub> | Y     |

**Wiring diagram**

**Additional information.**

|                           |      |
|---------------------------|------|
| VFD Operation (V.T.) :    | 20:1 |
| VFD Operation (C.T.) :    | 4:1  |
| Area Classification:      | --   |
| Hazardouz Classification: | --   |
| Hazardouz Classification: | --   |
| Temp. Code:               | --   |