

**120F0235****Reciprocating compressor, NTZ096A4LR1B**

Refrigerants: R404A; R452A; R454C, Segment usage: Refrigeration LT, Compressor power supply [V]: 400/3/50 460/3/60, Packing format: Industrial pack

**PRODUCT DETAILS**

|                                            |                                      |
|--------------------------------------------|--------------------------------------|
| <b>Gross weight</b>                        | 37.5 Kilogram                        |
| <b>Net weight</b>                          | 35 Kilogram                          |
| <b>Volume</b>                              | 65.933 Liter                         |
| <b>EAN</b>                                 | 5702428521178                        |
| <b>Type</b>                                | NTZ096                               |
| <b>Product group</b>                       | Hermetic compressors                 |
| <b>Product Name Description</b>            | Reciprocating compressor NTZ         |
| <b>Approval</b>                            | CE<br>UKCA                           |
| <b>Brand technique</b>                     | Reciprocating compressor             |
| <b>Capacity control</b>                    | Fixed speed                          |
| <b>CE mark</b>                             | Yes                                  |
| <b>China RoHS compliance</b>               | Yes with exemptions                  |
| <b>China RoHS exemption clause</b>         | 7.1<br>7.3                           |
| <b>Colour</b>                              | Blue                                 |
| <b>Compressor power supply [V]</b>         | 400/3/50 460/3/60                    |
| <b>Configuration code</b>                  | Single                               |
| <b>Connection type</b>                     | Rotolock                             |
| <b>Contains batteries</b>                  | No                                   |
| <b>Cylinder</b>                            | 2                                    |
| <b>Description</b>                         | NTZ096-4B                            |
| <b>Diameter [mm]</b>                       | 288 mm                               |
| <b>Discharge connection height [mm]</b>    | 74 mm                                |
| <b>Discharge connection pipe size [in]</b> | 3/4 in                               |
| <b>Discharge connection size [in]</b>      | 1 1/4 in                             |
| <b>Drawing number</b>                      | 8502012g                             |
| <b>Economizer</b>                          | No                                   |
| <b>EU RoHS compliance</b>                  | Yes with exemptions                  |
| <b>EU RoHS exemption clause</b>            | 6(a)<br>6(c)                         |
| <b>Factory HP [bar]</b>                    | 25 bar                               |
| <b>Factory LP [bar]</b>                    | 25 bar                               |
| <b>Family</b>                              | NTZ                                  |
| <b>Fitting remark</b>                      | (shipped with rotolock version only) |
| <b>Fitting sleeve</b>                      | ODF                                  |
| <b>Fitting standard</b>                    | Rotolock                             |
| <b>Frequency [Hz]</b>                      | 50/60                                |
| <b>Gauge port HP</b>                       | None                                 |

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## Product Detail | Reciprocating compressor, NTZ096A4LR1B

## PRODUCT DETAILS

|                                           |                             |
|-------------------------------------------|-----------------------------|
| Gauge port LP                             | Schrader                    |
| Glass mounting                            | Threaded                    |
| Glass torque [Nm]                         | 50 N-m                      |
| GP LP torque [Nm]                         | 15 N-m                      |
| High Side TS Max                          | 150 °C                      |
| High Side TS Min                          | -35 °C                      |
| High Side Volume                          | 0.6 L                       |
| High value of nominal voltage at 50Hz [V] | 400 V                       |
| High value of nominal voltage at 60Hz [V] | 460 V                       |
| High value of voltage range at 50Hz [V]   | 440 V                       |
| High value of voltage range at 60Hz [V]   | 506 V                       |
| In scope of WEEE                          | No                          |
| IP protection class                       | IP55 (with cable gland)     |
| Low Side TS Max                           | 50 °C                       |
| Low Side TS Min                           | -35 °C                      |
| Low Side Volume                           | 16.5 L                      |
| Low value of nominal voltage at 50Hz [V]  | 380 V                       |
| Low value of nominal voltage at 60Hz [V]  | 460 V                       |
| Low value of voltage range at 50Hz [V]    | 340 V                       |
| Low value of voltage range at 60Hz [V]    | 414 V                       |
| LRA                                       | 32 A                        |
| Max pressure (PS) - high side             | 28.5 bar                    |
| Max pressure (PS) - low side              | 22.6 bar                    |
| MCC                                       | 10.1 A                      |
| Model number                              | NTZ096A4LR1B                |
| Motor protection                          | Internal overload protector |
| Mounting torque [Nm]                      | 15 N-m                      |
| Network power supply [V/Ph/Hz]            | 380-415/3/50 460/3/60       |
| Number of starts per hour [Max]           | 12                          |
| Oil charge [L]                            | 1.8 L                       |
| Oil equalization                          | 3/8" flare SAE              |
| Oil equalization torque [Nm]              | 30 N-m                      |
| Oil reference                             | 175PZ                       |
| Packing format                            | Industrial pack             |
| Packing quantity                          | 6                           |
| Phase                                     | 3                           |
| Power connections                         | Spade                       |
| REACH Candidate List substances           | Lead (CAS no. 7439-92-1)    |
| Refrigerant charge [kg] [Max]             | 5 kg                        |
| Refrigerants                              | R404A<br>R452A<br>R454C     |
| Rotational speed at 50Hz [rpm]            | 2900 rpm                    |
| Rotational speed at 60Hz [rpm]            | 3500 rpm                    |

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|                                                                                     |                                                                    |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| SCIP dossier no.                                                                    | 9b3fb119-9852-486a-92dd-53aa9c96fd3b                               |
| Segment usage                                                                       | Refrigeration LT                                                   |
| Shipped fittings                                                                    | Suction and discharge solder sleeves,<br>rotolock nuts and gaskets |
| Suction connection height [mm]                                                      | 265 mm                                                             |
| Suction connection material                                                         | -                                                                  |
| Suction connection pipe size [in]                                                   | 7/8 in                                                             |
| Suction connection size [in]                                                        | 1 3/4 in                                                           |
| Swept volume [cm <sup>3</sup> ]                                                     | 96 cm <sup>3</sup>                                                 |
| Technology                                                                          | Reciprocating                                                      |
| Test dif [bar] [Max]                                                                | 30 bar                                                             |
| Test HP [bar] [Max]                                                                 | 30 bar                                                             |
| Test LP [bar] [Max]                                                                 | 25 bar                                                             |
| Torque earth [Nm]                                                                   | 3 N-m                                                              |
| Torque power [Nm]                                                                   | 3 N-m                                                              |
| Total height [mm]                                                                   | 413 mm                                                             |
| Winding resistance for three-<br>phase compressors with identical<br>windings [Ohm] | 5.03 Ohm                                                           |

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