



Reciprocating compressor, NTZ136A4LR1B

[120F0236](#)

Refrigerants: R404A; R452A; R454C; R455A, Segment usage: Refrigeration LT, Compressor power supply [V]: 400/3/50 460/3/60, Packing format: Single pack

[Where to buy](#)

Product specifications

| Characteristic                      | Value                            |
|-------------------------------------|----------------------------------|
| Approval                            | CE, UKCA                         |
| Brand technique                     | Reciprocating compressor         |
| Capacity Control                    | Fixed speed                      |
| CE mark                             | Yes                              |
| China RoHS compliance               | Yes with exemptions              |
| China RoHS exemption clause         | 7.1, 7.3, 8.1, 8.3.1             |
| Colour                              | Blue                             |
| Compressor power supply [V]         | 400/3/50 460/3/60                |
| Configuration code                  | Single                           |
| Connection type                     | Rotolock                         |
| Contains batteries                  | No                               |
| CoolselectorFilter                  | Active models                    |
| Cylinder                            | 2                                |
| Description                         | NTZ136-4B                        |
| DG Indicator Profile                | Not relevant for dangerous goods |
| Diameter [mm]                       | 288 mm                           |
| Discharge connection height [mm]    | 74 mm                            |
| Discharge connection pipe size [in] | 3/4 in                           |
| Discharge connection size [in]      | 1-1/4 in                         |
| Drawing number                      | 8502012g                         |

| Characteristic                            | Value                                |
|-------------------------------------------|--------------------------------------|
| Economizer                                | No                                   |
| EU RoHS compliance                        | Yes with exemptions                  |
| EU RoHS exemption clause                  | 6(a)-I, 6(c), 7(a), 7(c)-I           |
| Factory HP [bar]                          | 25 bar                               |
| Factory LP [bar]                          | 25 bar                               |
| Family                                    | NTZ                                  |
| Fitting remark                            | (shipped with rotolock version only) |
| Fitting sleeve                            | ODF                                  |
| Fitting standard                          | Rotolock                             |
| Frequency [Hz]                            | 50/60                                |
| Gauge port HP                             | None                                 |
| Gauge port LP                             | Schrader                             |
| Glass mounting                            | Threaded                             |
| Glass torque [Nm]                         | 50 N-m                               |
| GP LP torque [Nm]                         | 15 N-m                               |
| High Side TS Max                          | 150.0 °C                             |
| High Side TS Min                          | -35.0 °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                                |
| Identical product                         | 120F0237                             |
| In scope of WEEE                          | No                                   |
| IP protection class                       | IP55 (with cable gland)              |
| Low Side TS Max                           | 50.0 °C                              |
| Low Side TS Min                           | -35.0 °C                             |
| Low Side Volume                           | 16.5 L                               |
| Low value of nominal voltage at 50Hz [V]  | 380 V                                |



| Characteristic                           | Value                        |
|------------------------------------------|------------------------------|
| 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                                      | 51 A                         |
| Material Description                     | NTZ136-4LR1- RECIP           |
| Max pressure (PS) - high side            | 28.50 bar                    |
| Max pressure (PS) - low side             | 22.60 bar                    |
| Maximum Operating Current [MOC]          | 11.2 A                       |
| MCC                                      | 14.3 A                       |
| Model number                             | NTZ136A4LR1B                 |
| Motor protection                         | Internal overload protector  |
| Mounting torque [Nm]                     | 15.00 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]                           | 1.80 L                       |
| Oil equalization                         | 3/8" flare SAE               |
| Oil equalization torque [Nm]             | 30 N-m                       |
| Oil level switch                         | None                         |
| Oil reference                            | 175PZ                        |
| Packaging height [mm]                    | 450 mm                       |
| Packaging length [mm]                    | 385 mm                       |
| Packaging width [mm]                     | 375 mm                       |
| Packing format                           | Single pack                  |
| Packing quantity                         | 1                            |
| Phase                                    | 3                            |
| Power connections                        | Spade                        |
| Product group                            | Hermetic compressors         |
| Product line                             | Commercial Compressors       |
| Product name                             | Reciprocating compressor NTZ |

| Characteristic                                                               | Value                                                                                                                    |
|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Product Type                                                                 | NTZ136                                                                                                                   |
| REACH Candidate List substances                                              | Lead (CAS no. 7439-92-1), Diboron trioxide (B2O3, CAS no. 1303-86-2)                                                     |
| Refrigerant charge [kg] [Max]                                                | 5.00 kg                                                                                                                  |
| Refrigerants                                                                 | R404A, R452A, R454C, R455A                                                                                               |
| Rotational speed at 50Hz [rpm]                                               | 2900 rpm                                                                                                                 |
| Rotational speed at 60Hz [rpm]                                               | 3500 rpm                                                                                                                 |
| SCIP dossier no.                                                             | 9b3fb119-9852-486a-92dd-53aa9c96fd3b                                                                                     |
| Segment usage                                                                | Refrigeration LT                                                                                                         |
| Shipped fittings                                                             | Suction and discharge solder sleeves, rotolock nuts and gaskets                                                          |
| Shipped instructions                                                         | Installation instructions                                                                                                |
| Shipped mounting                                                             | Mounting kit with grommets, bolts, nuts, sleeves and washers                                                             |
| Shipped oil                                                                  | Initial oil charge                                                                                                       |
| Suction connection height [mm]                                               | 265 mm                                                                                                                   |
| Suction connection material                                                  | -                                                                                                                        |
| Suction connection pipe size [in]                                            | 1-1/8 in                                                                                                                 |
| Suction connection size [in]                                                 | 1-3/4 in                                                                                                                 |
| Swept volume [cm <sup>3</sup> ]                                              | 136.00 cm <sup>3</sup>                                                                                                   |
| Technology                                                                   | Reciprocating                                                                                                            |
| Test dif [bar] [Max]                                                         | 30 bar                                                                                                                   |
| Test HP [bar] [Max]                                                          | 30.0 bar                                                                                                                 |
| Test LP [bar] [Max]                                                          | 25.0 bar                                                                                                                 |
| Torque earth [Nm]                                                            | 3.00 N-m                                                                                                                 |
| Torque power [Nm]                                                            | 3.00 N-m                                                                                                                 |
| Total height [mm]                                                            | 413.0 mm                                                                                                                 |
| U.S. EPA label                                                               | For installations using U.S. EPA restricted refrigerants, this product may be used for servicing existing equipment only |
| Winding resistance for three-phase compressors with identical windings [Ohm] | 3.8 Ohm                                                                                                                  |

General specifications

| Characteristic | Value                        |
|----------------|------------------------------|
| Gross weight   | 37.42 Kilogram               |
| Net weight     | 34.93 Kilogram               |
| Volume         | 61.548 Liter                 |
| EAN/UPC        | 5702428521161                |
| Proposition 65 | Cancer and Reproductive Harm |

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