









Scroll compressor

Refrigeration solution for small food retailers

- > Inverter technology guarantees optimal food conservation by ensuring an accurate temperature and humidity control
- > The economized scroll contributes to a longer lifetime expectation of the refrigeration equipment and less maintenance requirement
- > The use of R-410A refrigerant allows the use of smaller pipping diameters, thus reducing the refrigerant content in the system helping to lower our CO2 footprint.
 - R-410A is fully compliant with the latest F-Gas regulation and can be still used after 2020 and beyond
- > The DC economized compressor improves drastically the efficiency of the unit, thus helps lowering the energy bill!
- > Lowest sound level in the market down to 31 dBA. Sound level can be even further reduced thanks to the low noise modes
- > The weight of the unit is very low, therefore the unit can even be mounted on the wall
- > Up to 75% smaller than equivalent products in the market, ideal for those places where space
- > Advanced software solution for easy system configuration and commissioning

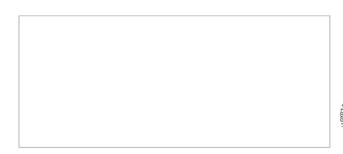
LRLEQ-BY1



| Low Temperature Refrigeration | | | LRLEQ-BY1 | 3 | 4 | |
|--|---|---------------------|---------------------|---------------------------------------|----------------|--|
| Capacity range | | | НР | 3 | 4 | |
| Refrigerating capacity | Low temperature | Nom. | kW | 2.78 (1) | 3.62 (1) | |
| Power input | Low temperature | Nom. | kW | 2.60 (1) | 3.41 (1) | |
| Capacity control | ontrol Method | | | Inverter controlled | | |
| COP | Low temperature | Nom. | | 1.07 (1) | 1.06 (1) | |
| Seasonal energy performance ratio SEPR | R-410A | Te -35°C | | 1.74 | 1.68 | |
| Annual electricity consumption Q | R-410A | Te -35°C | kWh/a | 11,920 | 16,048 | |
| Parameters at full load and ambient temp. 32°C | R-410A | Te -35°C | Rated COP (COPA) | 1.07 | 1.06 | |
| Parameters at part load and ambient temp. 25°C | R-410A | Te -35°C | Declared COP (COPB | 1.26 | 1.23 | |
| Parameters at full load and ambient temp. 43°C | R-410A | Te -35°C | Declared COP (COP3) | | 0.66 | |
| Dimensions | Unit Height Width Depth | | mm | 1,345 | | |
| | | | mm | 900 | | |
| | | | mm | 3 | 320 | |
| Weight | Unit | | kg | 1 | 130 | |
| Heat exchanger | Type | | | Cross | Cross fin coil | |
| Compressor | Type | | | Hermetically sealed scroll compressor | | |
| | Frequency ON/OFF | | | Less than 6 times/hour | | |
| | Starting method | | | Direct on line (inverter driven) | | |
| Fan | Type | | | Propeller | | |
| | Quantity | | | 2 | | |
| | Air flow rate Cooling Nom. m³/min | | 1 | 106 | | |
| Fan motor | Output W | | W | 70 | | |
| | Drive | | | Direct drive | | |
| Sound pressure level | Nom. dBA | | dBA | 51.0 (2) | | |
| Operation range | Evaporating Min. °C | | °C | -45 (2) | | |
| | temperature | temperature Max. °C | | -20 | | |
| | Ambient temperature Min.~Max. °CDB | | c. °CDB | -20~43 | | |
| Refrigerant | Туре | | | R-410A | | |
| | GWP | | | 2,087.5 | | |
| | Charge kg | | kg | 6.90 | | |
| | | | TCO₂eq | 1. | 4.4 | |
| | Control | | | Electronic expansion valve | | |
| | Circuits Quantity | | | 1 | | |
| Power supply | Phase/Frequency/Voltage Hz/V | | | 3N~/50 | 3N~/50/380-415 | |
| Cooling | Degradation coefficient for fixed and staged capacity units | | | 0.25 | | |
| Connectable capacity | Minimum % | | % | 50 | | |
| | Maximum % | | % | 100 | | |

⁽¹⁾ Cooling: evaporating temp. -35°C; outdoor temp. 32°C; suction SH10°C

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⁽²⁾ Sound pressure data: measured at 1m in front of unit, at 1.5m height $\,$