



| | | | | RZQG71L8Y1B | RZQG100L8Y1B | RZQG125L8Y1B | RZQG140L7Y1B |
|----------------------|------------------|---------|----------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| Sound pressure level | Heating | Nom. | dBa | 50 | 52 | 53 | 53 |
| | Cooling | Nom. | dBa | 48 | 50 | 51 | 52 |
| | Night quiet mode | Level 1 | dBa | 43 | 45 | 45 | 45 |
| Standard Accessories | Item | | | Tie-wraps | Tie-wraps | Tie-wraps | Tie-wraps |
| | Quantity | | | 2 | 2 | 2 | 2 |
| | Item | | | Installation manual | Installation manual | Installation manual | Installation manual |
| Quantity | | | 1 | 1 | 1 | 1 | |
| Refrigerant | Circuits | | Quantity | 1 | 1 | 1 | 1 |
| | Charge | | TCO2Eq | 6.1 | 8.4 | 8.4 | 8.4 |
| | Charge | | kg | 2.9 | 4.0 | 4.0 | 4.0 |
| Refrigerant=-Gwp | | | | 2,087.5 | 2,087.5 | 2,087.5 | 2,087.5 |
| Type | | | | R-410A | R-410A | R-410A | R-410A |
| Control | | | | Expansion valve (electronic type) | Expansion valve (electronic type) | Expansion valve (electronic type) | Expansion valve (electronic type) |
| Fan motor | Output | | W | 94 | 94 | 94 | 94 |
| | Quantity | | | 1 | 2 | 2 | 2 |
| | Drive | | | Direct drive | Direct drive | Direct drive | Direct drive |
| Model | | | | Brushless DC | Brushless DC | Brushless DC | Brushless DC |

| | | | | | | | | |
|--------------------|------------------|---------|------------|-----------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| | | | | | motor | motor | motor | motor |
| Operation range | Cooling | Ambient | Max. | °CDB | 50 | 50 | 50 | 50 |
| | | | Min. | °CDB | -15 | -15 | -15 | -15 |
| | Heating | Ambient | Max. | °CWB | 15.5 | 15.5 | 15.5 | 15.5 |
| | | | Min. | °CWB | -20 | -20 | -20 | -20 |
| Heat exchanger | Fin | | | Treatment | Anti-corrosion treatment (PE) | Anti-corrosion treatment (PE) | Anti-corrosion treatment (PE) | Anti-corrosion treatment (PE) |
| | | | | Type | WF fin | WF fin | WF fin | WF fin |
| Piping connections | Piping length | OU - IU | Min. | m | 5 (2) | 5 (2) | 5 (2) | 5 (2) |
| | | | Max. | m | 50 | 75 | 75 | 75 |
| | | System | Chargeless | m | 30 | 30 | 30 | 30 |
| | | | Equivalent | m | 70 | 90 | 90 | 90 |
| | Liquid | | OD | mm | 9.52 | 9.52 | 9.52 | 9.52 |
| | | | | Quantity | 1 | 1 | 1 | 1 |
| | | | | Type | Flare connection | Flare connection | Flare connection | Flare connection |
| | Gas | | OD | mm | 15.9 | 15.9 | 15.9 | 15.9 |
| | | | | Quantity | 1 | 1 | 1 | 1 |
| | | | | Type | Flare connection | Flare connection | Flare connection | Flare connection |
| | Drain | | OD | mm | 26 | 26 | 26 | 26 |
| | | | | Quantity | 5 | 5 | 5 | 5 |
| | | | | Type | Hole | Hole | Hole | Hole |
| | Level difference | IU - IU | Max. | m | 0.5 | 0.5 | 0.5 | 0.5 |

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|-------------------|-------------------------------|---------|--------|------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| | | IU - OU | Max. | m | 30.0 | 30.0 | 30.0 | 30.0 |
| | Additional refrigerant charge | | | kg/m | See installation manual | See installation manual | See installation manual | See installation manual |
| | Heat insulation | | | | Both liquid and gas pipes | Both liquid and gas pipes | Both liquid and gas pipes | Both liquid and gas pipes |
| Sound power level | Cooling | | | dBA | 64 | 66 | 67 | 69 |
| Safety devices | Item | | | 01 | High pressure switch | High pressure switch | High pressure switch | High pressure switch |
| | | | | 02 | Fan driver overload protector | Fan driver overload protector | Fan driver overload protector | Fan driver overload protector |
| | | | | 03 | Fuse | Fuse | Fuse | Fuse |
| Dimensions | Packed unit | | Width | mm | 1,015 | 1,015 | 1,015 | 1,015 |
| | | | Height | mm | 1,170 | 1,610 | 1,610 | 1,610 |
| | | | Depth | mm | 422 | 422 | 422 | 422 |
| | Unit | | Width | mm | 940 | 940 | 940 | 940 |
| | | | Depth | mm | 320 | 320 | 320 | 320 |
| | | | Height | mm | 990 | 1,430 | 1,430 | 1,430 |
| Compressor | Quantity | | | | 1 | 1 | 1 | 1 |
| | Starting method | | | | Inverter driven | Inverter driven | Inverter driven | Inverter driven |
| | Compressor--Type | | | | Hermetically sealed swing compressor | Hermetically sealed swing compressor | Hermetically sealed swing compressor | Hermetically sealed swing compressor |
| Casing | Colour | | | | Ivory white | Ivory white | Ivory white | Ivory white |
| | Material | | | | Painted galvanized steel plate | Painted galvanized steel plate | Painted galvanized steel plate | Painted galvanized steel plate |

| | | | | | | | |
|--------------------|----------------------------|---------|--------|---|---|---|---|
| Capacity control | Method | | | Inverter controlled | Inverter controlled | Inverter controlled | Inverter controlled |
| Weight | Packed unit | | kg | 87 | 110 | 110 | 110 |
| | Unit | | kg | 80 | 101 | 101 | 101 |
| Fan | Air flow rate | Heating | Nom. | m ³ /min | 49 | 62 | 62 |
| | | Cooling | Nom. | m ³ /min | 59 | 70 | 84 |
| | Quantity | | | 1 | 2 | 2 | 2 |
| | Type | | | Propeller fan | Propeller fan | Propeller fan | Propeller fan |
| | Discharge direction | | | Horizontal | Horizontal | Horizontal | Horizontal |
| Refrigerant oil | Charged volume | | l | 0.9 | 1.35 | 1.35 | 1.35 |
| | Type | | | FVC50K | FVC50K | FVC50K | FVC50K |
| Defrost control | | | | Sensor for outdoor heat exchanger temperature | Sensor for outdoor heat exchanger temperature | Sensor for outdoor heat exchanger temperature | Sensor for outdoor heat exchanger temperature |
| Template | | | | Sky Air Outdoor | Sky Air Outdoor | Sky Air Outdoor | Sky Air Outdoor |
| Defrost method | | | | Reversed cycle | Reversed cycle | Reversed cycle | Reversed cycle |
| Wiring connections | For connection with indoor | | Remark | See installation manual outdoor unit | See installation manual outdoor unit | See installation manual outdoor unit | See installation manual outdoor unit |
| | For power supply | | Remark | See installation manual outdoor unit | See installation manual outdoor unit | See installation manual outdoor unit | See installation manual outdoor unit |
| Current - 50Hz | Maximum fuse amps (MFA) | | A | 16 | 25 | 25 | 25 |
| Power | Voltage range | Max. | % | 10 | 10 | 10 | 10 |

| | | | | | | | |
|---------|-------------------|------|------|---|--|--|--|
| supply | | | | | | | |
| | | Min. | % | 10 | 10 | 10 | 10 |
| | Frequency | | Hz | 50 | 50 | 50 | 50 |
| | Voltage | | V | 380-415 | 380-415 | 380-415 | 380-415 |
| | Phase | | | 3N~ | 3N~ | 3N~ | 3N~ |
| Current | Zmax | | List | Complies to EN61000-3-11 | Complies to EN61000-3-11 | Complies to EN61000-3-11 | Complies to EN61000-3-11 |
| | Recommended fuses | | A | 16 | 25 | 25 | 25 |
| Notes | | | | PED: assembly = category I : excluded from scope of PED due to article 1, item 3.6 of 97/23/EC | PED: assembly = category I : excluded from scope of PED due to article 1, item 3.6 of 97/23/EC | PED: assembly = category I : excluded from scope of PED due to article 1, item 3.6 of 97/23/EC | PED: assembly = category I : excluded from scope of PED due to article 1, item 3.6 of 97/23/EC |
| | | | | 3 with re-charging | 3 with re-charging | 3 with re-charging | 3 with re-charging |
| | | | | See separate drawing for electrical data | See separate drawing for electrical data | See separate drawing for electrical data | See separate drawing for electrical data |
| | | | | Contains fluorinated greenhouse gases | Contains fluorinated greenhouse gases | Contains fluorinated greenhouse gases | Contains fluorinated greenhouse gases |
| | | | | MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed | MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on | MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on | MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on |

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| | information on each combination, please refer to the electrical data drawing. | each combination, please refer to the electrical data drawing. | each combination, please refer to the electrical data drawing. | each combination, please refer to the electrical data drawing. |
| Power supply intake | Outdoor unit only | Outdoor unit only | Outdoor unit only | Outdoor unit only |