



Condensing unit for commercial refrigeration with reciprocating technology

JEHCCU-CL1 / JEHSCU-CL3



Reciprocating compressor

Refrigeration solution for small food retailers

- › Designed specifically for small capacity refrigeration applications in small food stores (eg. in bakeries and butchers), cold rooms, bottle coolers and display cabinets
- › Compact and lightweight for even the smallest of city centre locations
- › All components can be accessed, making maintenance quick and easy
- › Ideal for urban applications: sound proofing and low operating sound levels mean the unit is quiet
- › The optimised compressor range and increased condenser surface deliver high levels of energy efficiency and reliability is ensured by using high quality components and production processes
- › Micro channel heat exchanger technology reduces the amount of refrigerant used in the system, lowering environmental impact

JEHCCU-CL1 / JEHSUCU-CL3



JEHCCU-CL1 / JEHSUCU-CL3

| Low Temperature Refrigeration | | | | JEHCCU/JEHSUCU | 0115CL1 | 0135CL1 | 0200CL3 | 0300CL3 | 0400CL3 | 0500CL3 | 0600CL3 | 0750CL3 | 0950CL3 EVI |
|--|-------------------------|---------------------|-----------------------------|--------------------------|-------------|---------------|---------|-----------|---------------|---------|---------|-----------------|-------------|
| Seasonal energy performance ratio SEPR | R-404A | Te -35°C | | | - | | | | 1.88 | 1.79 | 1.80 | 1.82 | 1.79 |
| | R-407A | Te -35°C | | | - | | | | 1.67 | 1.64 | 1.64 | - | 1.76 |
| | R-407F | Te -35°C | | | - | | | | 1.65 | 1.64 | - | - | 1.63 |
| | R-448A | Te -35°C | | | - | | | | 1.67 | - | 1.64 | - | 1.76 |
| | R-449A | Te -35°C | | | - | | | | 1.67 | - | 1.64 | - | 1.76 |
| Annual electricity consumption Q | R-404A | Te -35°C | kWh/a | | - | | | | 11,555 | 14,732 | 17,107 | 21,649 | 24,503 |
| | R-407A | Te -35°C | kWh/a | | - | | | | 10,212 | 12,364 | 15,026 | - | 20,958 |
| | R-407F | Te -35°C | kWh/a | | - | | | | 10,730 | 13,018 | - | - | 22,348 |
| | R-448A | Te -35°C | kWh/a | | - | | | | 11,276 | - | 15,878 | 21,856 | 20,551 |
| | R-449A | Te -35°C | kWh/a | | - | | | | 11,276 | - | 15,878 | 21,856 | 20,551 |
| Parameters at full load and ambient temp. 25°C | R-404A | Te -35°C | Declared COP (COP2) | | 1.11 | 1.16 | | 1.40 | | | - | | |
| Parameters at part load and ambient temp. 25°C (Point B) | R-404A | Te -35°C | Declared COP (COPB) | | - | | | | 1.50 | 1.41 | 1.44 | 1.61 | 1.58 |
| | R-407A | Te -35°C | Declared COP (COPB) | | - | | | | 1.24 | 1.25 | 1.35 | - | 1.51 |
| | R-407F | Te -35°C | Declared COP (COPB) | | - | | | | 1.23 | - | - | - | 1.35 |
| | R-448A | Te -35°C | Declared COP (COPB) | | - | | | | 1.30 | - | 1.29 | 1.43 | 1.42 |
| | R-449A | Te -35°C | Declared COP (COPB) | | - | | | | 1.30 | - | 1.29 | 1.43 | 1.42 |
| Parameters at full load and ambient temp. 32°C (Point A) | R-404A | Te -35°C | Rated COP (COPA) | 0.96 | 1.04 | 0.97 | 1.09 | | 1.22 | 1.14 | 1.06 | | 1.36 |
| | R-407A | Te -35°C | Rated COP (COPA) | | - | | | | 0.98 | 0.97 | 0.93 | - | 1.26 |
| | R-448A | Te -35°C | Rated COP (COPA) | | - | | 0.97 | | 1.02 | - | 0.83 | 1.18 | 1.24 |
| | R-449A | Te -35°C | Rated COP (COPA) | | - | | 0.97 | | 1.02 | - | 0.83 | 1.18 | 1.24 |
| | R-452A | Te -35°C | Rated COP (COPA) | | - | 0.98 | | | - | - | - | - | - |
| | R-404A | Te -35°C | Rated cooling capacity (PA) | kW | 0.69 | 0.93 | 1.42 | 1.98 | 2.91 | 3.53 | 4.13 | 5.29 | 5.90 |
| | R-407A | Te -35°C | Rated cooling capacity (PA) | kW | | - | | | 2.29 | 2.77 | 3.31 | - | 4.96 |
| | R-407F | Te -35°C | Rated cooling capacity (PA) | kW | | - | | | 2.38 | 2.87 | - | - | 4.88 |
| | R-448A | Te -35°C | Rated cooling capacity (PA) | kW | | - | | 1.62 | 2.53 | - | 3.49 | 4.81 | 4.86 |
| | R-449A | Te -35°C | Rated cooling capacity (PA) | kW | | - | | 1.62 | 2.53 | - | 3.49 | 4.81 | 4.86 |
| Parameters at full load and ambient temp. 43°C | R-404A | Te -35°C | Rated power input (DA) | kW | 0.72 | 0.89 | 1.46 | 1.81 | 2.38 | 3.10 | 3.90 | 3.88 | 4.35 |
| | R-407A | Te -35°C | Rated power input (DA) | kW | | - | | | 2.33 | 2.85 | 3.57 | - | 3.94 |
| | R-407F | Te -35°C | Rated power input (DA) | kW | | - | | | 2.51 | 3.08 | - | - | 4.51 |
| | R-448A | Te -35°C | Rated power input (DA) | kW | | - | | 1.67 | 2.48 | - | 4.19 | 4.08 | 3.93 |
| | R-449A | Te -35°C | Rated power input (DA) | kW | | - | | 1.67 | 2.48 | - | 4.19 | 4.08 | 3.93 |
| | R-452A | Te -35°C | Rated power input (DA) | kW | | - | 0.83 | | - | - | - | - | - |
| | R-404A | Te -35°C | Declared COP (COP3) | | 0.69 | 0.81 | 0.60 | 0.70 | 0.86 | 0.79 | 0.64 | 0.98 | 1.06 |
| | R-407A | Te -35°C | Declared COP (COP3) | | | - | | | 0.67 | 0.66 | 0.64 | - | - |
| | R-407F | Te -35°C | Declared COP (COP3) | | | - | | | 0.62 | - | - | - | - |
| | R-448A | Te -35°C | Declared COP (COP3) | | | - | | 0.68 | - | - | 0.46 | 0.81 | - |
| R-449A | Te -35°C | Declared COP (COP3) | | | - | | 0.68 | - | - | 0.46 | 0.81 | - | |
| R-452A | Te -35°C | Declared COP (COP3) | | | - | 0.71 | | - | - | - | - | - | |
| Dimensions | Unit | HeightxWidthxDepth | mm | 607x876x420 | 606x876x430 | 662x1,101x444 | | | 872x1,353x575 | | | 1,727x1,348x605 | |
| Weight | Unit | | kg | 55 | 61 | 76 | 78 | | 132 | | 133 | 203 | 200 |
| Compressor | Type | | | Reciprocating compressor | | | | | | | | | |
| | Piston displacement | | m ³ /h | 4.55 | 6.00 | 5.9 | 8.0 | | 11.8 | 14.5 | 17.1 | 21.4 | 17.1 |
| Fan | Type | | | Axial | | | | | | | | | |
| | Sound pressure level | Nom. | dBA | 31 (2) | 27 (2) | 32 (2) | 33 (2) | | 37 (2) | 39 (2) | | 41 (2) | 37 (2) |
| Piping connections | Liquid line connection | | inch | 3/8" | | | | 1/2" | | | | | |
| | Suction line connection | | inch | 1/2" | 3/4" | | | 7/8" | | 1 1/8" | 7/8" | | |
| Refrigerant | Type 1 - GWP Type 1 | | | R-404A/3,922 | | | | | | | | | |
| | Type 2 - GWP Type 2 | | | R-407A - 2,107 | | | | | | | | | |
| | Type 3 - GWP Type 3 | | | R-407F - 1,825 | | | | | | | | | |
| | Type 4 - GWP Type 4 | | | R-448A - 1,387 | | | | | | | | | |
| | Type 5 - GWP Type 5 | | | R-449A - 1,397 | | | | | | | | | |
| | Type 6 - GWP Type 6 | | | R-452A - 2,140 | | | | | | | | | |
| Power supply | Phase/Frequency/Voltage | | Hz/V | 1~/50/230 | | | | 3~/50/400 | | | | | |

(1) SRG 20°C, Ta=32°C, Te=-35°C | (2) Sound pressure level is measured at 10m in anechoic room | Its functioning relies on fluorinated greenhouse gases | Refer to condition: Outside ambient temperature = 32°C, Evaporation temperature = -10°C and 10K superheat (medium temperature application)

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Condensing unit for commercial refrigeration with scroll technology

JEHSCU-CM1 / JEHSCU-CM3



Scroll compressor

Refrigeration solution for small food retailers

- › Designed specifically for small capacity refrigeration applications in small food stores (eg. in bakeries and butchers), cold rooms, bottle coolers and display cabinets
- › Compact and lightweight for even the smallest of city centre locations
- › All components can be accessed, making maintenance quick and easy
- › Ideal for urban applications: sound proofing and low operating sound levels mean the unit is quiet
- › The optimised compressor range and increased condenser surface deliver high levels of energy efficiency and reliability is ensured by using high quality components and production processes
- › Micro channel heat exchanger technology reduces the amount of refrigerant used in the system, lowering environmental impact

JEHSCU-CM1 / JEHSCU-CM3



JEHSCU-CM1/CM3

| Medium Temperature Refrigeration | | | JEHSCU-CM1/CM3 | | 0200 CM1 | 0200 CM3 | 0250 CM1 | 0250 CM3 | 0300 CM1 | 0300 CM3 | 0350 CM3 | 0360 CM3 | 0400 CM3 | 050 CM3 | 0600 CM3 | 0680 CM3 | 0800 CM3 | 1000 CM3 | |
|--|-------------------------|------------------------|-----------------------------|-----------|---------------|-----------|----------|-----------|----------|-----------|---------------|-----------|----------|-----------|----------|----------|-----------------|----------|--------|
| Seasonal energy performance ratio SEPR | R-134a | Te -10°C | | | --- | | | | 2.69 | 3.10 | 2.61 | 3.62 | 3.50 | 2.64 | 3.23 | 3.19 | 3.49 | 3.30 | |
| Annual electricity consumption Q | R-404A | Te -10°C | | | | | | | 12,093 | 10,396 | 12,939 | 10,719 | 12,578 | 18,673 | 19,387 | 21,075 | 24,409 | 33,116 | |
| | R-407A | Te -10°C | | | | | | | | | | | 10,187 | 10,973 | 17,546 | 18,408 | 22,240 | 25,491 | |
| | R-407F | Te -10°C | | | | | | | | | | | 10,933 | 11,873 | 18,883 | 18,903 | - | 26,882 | |
| | R-407H | Te -10°C | | | | | | | | | | | 10,664 | 12,082 | - | 19,576 | 23,664 | - | |
| | R-448A | Te -10°C | | | | | | | | | | | 11,736 | 12,512 | - | 18,395 | 22,298 | 27,302 | 34,432 |
| | R-449A | Te -10°C | | | | | | | | | | | 11,736 | 12,512 | - | 18,395 | 22,298 | 27,302 | 34,432 |
| Parameters at full load and ambient temp. 25°C | R-134a | Te -10°C | Declared COP (COP2) | 2.21 | 2.62 | | | | | 2.46 | | 2.86 | | 2.90 | | | | | |
| | R-404A | Te -10°C | Declared COP (COP2) | 2.80 | 2.58 | 2.69 | 2.55 | | | | | | | | | | | | |
| | R-407A | Te -10°C | Declared COP (COP2) | 2.61 | 2.55 | 2.44 | 2.36 | - | 2.26 | | | | | | | | | | |
| | R-407F | Te -10°C | Declared COP (COP2) | 2.46 | 2.39 | 2.33 | 2.29 | 2.21 | 2.14 | | | | | | | | | | |
| | R-407H | Te -10°C | Declared COP (COP2) | - | 1.50 | - | 2.48 | - | 2.21 | | | | | | | | | | |
| | R-448A | Te -10°C | Declared COP (COP2) | 2.53 | | 2.32 | | 2.23 | | | | | | | | | | | |
| Parameters at full load and ambient temp. 32°C (Point A) | R-134a | Te -10°C | Rated COP (COPA) | 1.92 | 2.19 | | | | | 2.08 | | 2.36 | | 2.28 | | | | 2.20 | |
| | R-404A | Te -10°C | Rated COP (COPA) | 2.40 | 2.19 | 2.14 | 2.21 | 2.02 | 2.08 | 1.81 | 2.19 | 2.15 | 1.83 | 2.07 | 1.98 | 1.98 | 2.32 | 2.06 | |
| | R-407A | Te -10°C | Rated COP (COPA) | 2.18 | 2.12 | 2.06 | 1.99 | - | 1.92 | - | 2.24 | 2.28 | 2.04 | 2.05 | 1.93 | 2.08 | - | | |
| | R-407F | Te -10°C | Rated COP (COPA) | 1.92 | 1.88 | 1.83 | | 1.74 | 1.69 | - | 1.97 | 2.10 | 1.83 | 1.91 | - | 2.10 | - | | |
| | R-407H | Te -10°C | Rated COP (COPA) | - | 1.93 | - | 2.02 | - | 1.80 | - | - | 1.89 | - | 1.92 | 1.78 | 2.20 | - | | |
| | R-448A | Te -10°C | Rated COP (COPA) | 2.02 | | 1.93 | | 1.85 | | - | 2.04 | 1.98 | - | 1.96 | 1.79 | 2.05 | 1.83 | | |
| Parameters at full load and ambient temp. 43°C | R-134a | Te -10°C | Rated cooling capacity (PA) | kW | 2.13 | 2.24 | | | | | 3.48 | | 3.80 | 4.37 | 5.24 | - | 8.21 | 10.75 | |
| | R-404A | Te -10°C | Rated cooling capacity (PA) | kW | 3.77 | 3.71 | 4.27 | 4.50 | 5.29 | 5.24 | 5.50 | 6.32 | 7.17 | 8.03 | 10.20 | 10.95 | 13.85 | 17.75 | |
| | R-407A | Te -10°C | Rated cooling capacity (PA) | kW | 3.48 | 3.45 | 4.09 | 4.05 | - | 4.69 | - | 5.77 | 6.76 | 8.03 | 9.54 | 10.70 | 12.95 | - | |
| | R-407F | Te -10°C | Rated cooling capacity (PA) | kW | 3.33 | | 3.82 | 3.94 | 4.63 | 4.58 | - | 5.73 | 6.75 | 7.99 | 9.59 | - | 12.90 | - | |
| | R-407H | Te -10°C | Rated cooling capacity (PA) | kW | - | 3.30 | - | 3.76 | - | 4.51 | - | - | 5.96 | - | 9.24 | 10.30 | 12.300 | - | |
| | R-448A | Te -10°C | Rated cooling capacity (PA) | kW | 3.33 | | 3.82 | | 4.73 | | - | 5.76 | 6.37 | - | 9.45 | 10.50 | 12.80 | 15.85 | |
| | R-449A | Te -10°C | Rated cooling capacity (PA) | kW | 3.33 | | 3.82 | | 4.73 | | - | 5.76 | 6.37 | - | 9.45 | 10.50 | 12.80 | 15.85 | |
| | R-134a | Te -10°C | Rated power input (DA) | kW | 1.11 | 1.03 | | | | | 1.68 | | 1.61 | 1.85 | 2.30 | - | 3.74 | 4.86 | |
| | R-404A | Te -10°C | Rated power input (DA) | kW | 1.57 | 1.70 | 2.00 | 2.04 | 2.62 | 2.52 | 3.04 | 2.88 | 3.33 | 4.39 | 4.92 | 5.53 | 5.96 | 8.62 | |
| | R-407A | Te -10°C | Rated power input (DA) | kW | 1.60 | 1.63 | 1.99 | 2.04 | - | 2.45 | - | 2.58 | 2.97 | 3.93 | 4.65 | 5.54 | 6.24 | - | |
| | R-407F | Te -10°C | Rated power input (DA) | kW | 1.74 | 1.78 | 2.09 | 2.16 | 2.66 | 2.71 | - | 2.91 | 3.21 | 4.36 | 5.03 | - | 6.13 | - | |
| | R-407H | Te -10°C | Rated power input (DA) | kW | - | 1.71 | - | 1.86 | - | 2.50 | - | - | 3.15 | - | 4.82 | 5.79 | 5.580 | - | |
| R-448A | Te -10°C | Rated power input (DA) | kW | 1.65 | | 1.98 | | 2.56 | | - | 2.83 | 3.22 | - | 4.83 | 5.85 | 6.23 | 8.68 | | |
| R-449A | Te -10°C | Rated power input (DA) | kW | 1.65 | | 1.98 | | 2.56 | | - | 2.83 | 3.22 | - | 4.83 | 5.85 | 6.23 | 8.68 | | |
| Dimensions | Unit | HeightxWidthxDepth | mm | | 662x1,101x444 | | | | | | 872x1,353x575 | | | | | | 1,727x1,348x641 | | |
| | Weight | Unit | kg | | 70 | | 72 | | 74 | | 112 | | 119 | 123 | 125 | 126 | 222 | 226 | |
| | Compressor | Type | Scroll compressor | | | | | | | | | | | | | | | | |
| | Fan | Type | Axial | | | | | | | | | | | | | | | | |
| Sound pressure level | Nom. | dBA | | 33 | | 34 | | 36 | | 39 | | 37 | | 38 | | 40 | | 43 | |
| Piping connections | Liquid line connection | inch | | 3/8" | | | | | | 1/2" | | | | | | 3/4" | | | |
| | Suction line connection | inch | | 3/4" | | | | | | 7/8" | | | | | | 1 1/8" | | 1 3/8" | |
| Refrigerant | Type 1 - GWP Type 1 | R-134a/1,430 | | | | | | | | | | | | | | | | | |
| | Type 2 - GWP Type 2 | R-404A - 3,922 | | | | | | | | | | | | | | | | | |
| | Type 3 - GWP Type 3 | R-407A - 2,107 | | | | | | | | | | | | | | | | | |
| | Type 4 - GWP Type 4 | R-407F - 1,825 | | | | | | | | | | | | | | | | | |
| | Type 5 - GWP Type 5 | R-407H - 1,495 | | | | | | | | | | | | | | | | | |
| | Type 6 - GWP Type 6 | R-448A - 1,387 | | | | | | | | | | | | | | | | | |
| | Type 7 - GWP Type 7 | R-449A - 1,397 | | | | | | | | | | | | | | | | | |
| Power supply | Phase/Frequency/Voltage | Hz/V | | 1~/50/230 | | 3~/50/400 | | 1~/50/230 | | 3~/50/400 | | 1~/50/230 | | 3~/50/400 | | | | | |

Its functioning relies on fluorinated greenhouse gases | Sound pressure level is measured at 10m in anechoic room | SRG 20°C, Ta=32°C, Te=-35°C
Published data based on condition - Return Gas Temperature 20°C, except for R-407H | Published data based on condition - SH10K for R-407H

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