# Air Conditioning Technical Data

# ARXM-R


EEDEN21

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# ARXM-R

# 1 Features

## 1 - 1 ARXM-R



› Anti-corrosion treated outdoor heat exchanger fin
› Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
› Daikin outdoor units are neat, sturdy and can easily be mounted on a roof or terrace or simply placed against an outside wall
› Outdoor units are fitted with a swing compressor, renowned for its low noise and high energy efficiency
› Outdoor units for pair application


Outdoor unit silent operation

# 2 Specifications

## 1 - 1 ARXM-R

| Technical specifications | | | | ADEA35A + ARXM35R | ADEA50A + ARXM50R | ADEA60A + ARXM60R | ADEA71A + ARXM71R |
|---|---|---|---|---|---|---|---|
| Cooling capacity | Nom. | | kW | 3.40 | 5.00 | 5.70 | 6.80 |
| | Nom. | | Btu/h | 11,600 | 17,100 | 19,400 | 23,200 |
| | Nom. | | kcal/h | 2,923 | 4,299 | 4,901 | 5,847 |
| | Max. | | kW | | - | | 6.98 |
| | Max. | | Btu/h | | - | | 23,800 |
| | Max. | | kcal/h | | - | | 6,002 |
| Cooling capacity - Low sound mode (Stb. 2020, 189) | Min. | | kcal/h | | - | | |
| | Max. | | kcal/h | | - | | |
| Heating capacity | Nom. | | kW | 4.00 | 5.50 | 7.00 | 7.50 |
| | Nom. | | Btu/h | 13,600 | 18,800 | 23,900 | 25,600 |
| | Nom. | | kcal/h | 3,439 | 4,729 | 6,019 | 6,449 |
| | Max. | | kW | | - | | 7.66 |
| | Max. | | Btu/h | | - | | 26,100 |
| | Max. | | kcal/h | | - | | 6,586 |
| Power input | Cooling | Nom. | kW | 0.90 | 1.53 | 1.66 | 2.31 |
| | Heating | Nom. | kW | 1.01 | 1.47 | 1.93 | 2.15 |
| Nominal efficiency | EER | | | 3.76 | 3.27 | 3.43 | 2.95 |
| | COP | | | 3.97 | 3.74 | 3.63 | 3.49 |
| | Annual energy consumption | | kWh | 452 | 765 | 831 | 1,153 |
| | Energy labeling Directive | Cooling | | | A | | C |
| | | Heating | | | A | | B |
| Space cooling | Energy efficiency class | | | | A+ | | A |
| | Capacity | Pdesign | kW | 3.40 | 5.00 | 5.70 | 6.80 |
| | SEER | | | 5.75 | 5.65 | 5.74 | 5.35 |
| | Annual energy consumption | | kWh/a | 207 | 310 | 347 | 445 |
| Space heating (Average climate) | Capacity | Pdesign | kW | 2.90 | 4.40 | 4.60 | 6.00 |
| | Energy efficiency class | | | | A+ | | A |
| | SCOP/A | | | | 4.00 | | 3.80 |
| | SCOPnet/A | | | 4.03 | 4.04 | 4.03 | 3.83 |
| | Pdh Heating capacity at -10° | | kW | 2.41 | 3.73 | 4.00 | 4.83 |
| | Annual energy consumption | | kWh/a | 1,014 | 1,538 | 1,610 | 2,209 |
| | Required back up heating cap at design conditions | | kW | 0.49 | 0.67 | 0.60 | 1.17 |
| Space heating (Warm climate) | Capacity | Pdesignh | kW | 1.57 | 2.37 | 2.44 | 3.23 |
| | Energy efficiency class | | | A+++ | A+ | | A++ |
| | SCOP | | | 5.11 | 4.33 | 4.37 | 4.63 |
| | SCOPnet | | | 5.18 | 4.40 | 4.44 | 4.69 |
| Space heating (Warm climate) | Annual energy consumption | | kWh/a | 430 | 766 | 782 | 977 |
| | Required back up heating cap at design conditions | | kW | | 0.00 | | |
| Space cooling | A Condition (35°C - 27/19) | Pdc | kW | 3.40 | 5.00 | 5.70 | 6.80 |
| | | EERd | | 3.76 | 3.27 | 3.43 | 2.95 |
| | | Power input | kW | 0.90 | 1.53 | 1.66 | 2.31 |
| | B Condition (30°C - 27/19) | Pdc | kW | 2.51 | 3.64 | 4.20 | 5.01 |
| | | EERd | | 5.06 | 4.64 | 4.86 | 4.23 |
| | | Power input | kW | 0.50 | 0.78 | 0.86 | 1.18 |
| | C Condition (25°C - 27/19) | Pdc | kW | 1.73 | 2.36 | 2.70 | 3.22 |
| | | EERd | | 7.43 | 7.31 | 7.48 | 7.05 |
| | | Power input | kW | 0.23 | 0.32 | 0.36 | 0.46 |
| | D Condition (20°C - 27/19) | Pdc | kW | 1.61 | 1.98 | 2.13 | 1.87 |
| | | EERd | | 8.29 | 9.17 | 8.24 | 7.55 |
| | | Power input | kW | 0.19 | 0.22 | 0.26 | 0.25 |

# 2 Specifications

## 1 - 1 ARXM-R



| Technical specifications | | | | | ADEA35A + ARXM35R | ADEA50A + ARXM50R | ADEA60A + ARXM60R | ADEA71A + ARXM71R |
|---|---|---|---|---|---|---|---|---|
| Space heating (Average climate) | TOL | Tol (temperature operating limit) | | °C | -15 | | | |
| | | Pdh (declared heating cap) | | kW | 2.15 | 3.47 | 3.85 | 4.03 |
| | | COPd (declared COP) | | | 2.37 | 1.95 | 2.11 | 1.71 |
| | | Power input | | kW | 0.91 | 1.78 | 1.82 | 2.36 |
| | TBivalent | Tbiv (bivalent temperature) | | °C | -7 | | | |
| | | Pdh (declared heating cap) | | kW | 2.57 | 3.89 | 4.09 | 5.31 |
| | | COPd (declared COP) | | | 2.73 | 3.09 | 3.01 | 2.27 |
| | | Power input | | kW | 0.94 | 1.26 | 1.36 | 2.34 |
| | A Condition (-7°C) | Pdh (declared heating cap) | | kW | 2.57 | 3.89 | 4.09 | 5.31 |
| | | COPd (declared COP) | | | 2.73 | 3.09 | 3.01 | 2.27 |
| | | Power input | | kW | 0.94 | 1.26 | 1.36 | 2.34 |
| | B Condition (2°C) | Pdh (declared heating cap) | | kW | 1.57 | 2.37 | 2.44 | 3.23 |
| | | COPd (declared COP) | | | 3.89 | 4.20 | 4.18 | 3.93 |
| | | Power input | | kW | 0.40 | 0.56 | 0.58 | 0.82 |
| | C Condition (7°C) | Pdh (declared heating cap) | | kW | 1.02 | 1.61 | 1.60 | 2.08 |
| | | COPd (declared COP) | | | 5.18 | 4.34 | 4.41 | 5.00 |
| | | Power input | | kW | 0.20 | 0.37 | 0.36 | 0.42 |
| | D Condition (12°C) | Pdh (declared heating cap) | | kW | 1.19 | 1.58 | 1.79 | 1.58 |
| | | COPd (declared COP) | | | 6.38 | 5.23 | 5.32 | 5.10 |
| | | Power input | | kW | 0.19 | 0.30 | 0.34 | 0.31 |
| Space heating (Warm climate) | TOL | Tol (temperature operating limit) | | °C | -15 | | | |
| | | Pdh (declared heating cap) | | kW | 2.15 | 3.47 | 3.85 | 4.03 |
| | | COPd (declared COP) | | | 2.37 | 1.95 | 2.11 | 1.71 |
| Space heating (Warm climate) | TOL | Power input | | kW | 0.91 | 1.78 | 1.82 | 2.36 |
| | TBivalent | Tbiv (bivalent temperature) | | °C | 2 | | | |
| | | Pdh (declared heating cap) | | kW | 1.57 | 2.37 | 2.44 | 3.23 |
| | | COPd (declared COP) | | | 3.89 | 4.20 | 4.18 | 3.93 |
| | | Power input | | kW | 0.40 | 0.56 | 0.58 | 0.82 |
| | B Condition (2°C) | Pdh (declared heating cap) | | kW | 1.57 | 2.37 | 2.44 | 3.23 |
| | | COPd (declared COP) | | | 3.89 | 4.20 | 4.18 | 3.93 |
| | | Power input | | kW | 0.40 | 0.56 | 0.58 | 0.82 |
| | C Condition (7°C) | Pdh (declared heating cap) | | kW | 1.02 | 1.61 | 1.60 | 2.08 |
| | | COPd (declared COP) | | | 5.18 | 4.34 | 4.41 | 5.00 |
| | | Power input | | kW | 0.20 | 0.37 | 0.36 | 0.42 |
| | D Condition (12°C) | Pdh (declared heating cap) | | kW | 1.19 | 1.58 | 1.79 | 1.58 |
| | | COPd (declared COP) | | | 6.38 | 5.23 | 5.32 | 5.10 |
| | | Power input | | kW | 0.19 | 0.30 | 0.34 | 0.31 |
| Power consumption in other than active mode | Off mode | POFF | | W | 7 | 10 | | |
| | Standby mode | Cooling | PSB | W | 7 | 10 | | |
| | | Heating | PSB | W | 7 | 9 | | |
| | Thermostat-off mode | PTO | Cooling | W | 7 | 13 | | |
| | | | Heating | W | 7 | 17 | | |
| Cooling | Cdc (Degradation cooling) | | | | 0.25 | | | |
| Heating | Cdh (Degradation heating) | | | | 0.25 | | | |
| Cooling function included | | | | | Yes | | | |
| Heating function included | | | | | Yes | | | |
| Average climate included | | | | | Yes | | | |
| Cold season included | | | | | No | | | |
| Warm season included | | | | | Yes | | | |
| Eurovent | Sound power level outdoor | Cooling | Nom. | dBA | 61 | 62 | 63 | 65 |
| | Sound power level indoor | Cooling | Nom. | dBA | 60 | | 56 | |
| | Piping length | Cooling | Measuring condition | m | 5 | | | |

See separate drawing for operation range |
See separate drawing for electrical data |
Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. |
Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m.

# 2 Specifications

## 1 - 1 ARXM-R

| Technical specifications | | | | ATXM25R + ARXM25R | ATXM35R + ARXM35R | ATXM50R + ARXM50R |
|---|---|---|---|---|---|---|
| Cooling capacity | Min. | | kW | 1.30 | 1.40 | 1.70 |
| | Min. | | Btu/h | 4,400 | 4,800 | 5,800 |
| | Min. | | kcal/h | 1,118 | 1,204 | 1,462 |
| | Nom. | | kW | 2.50 | 3.40 | 5.00 |
| | Nom. | | Btu/h | 8,500 | 11,600 | 17,100 |
| | Nom. | | kcal/h | 2,150 | 2,923 | 4,299 |
| | Max. | | kW | 3.20 | 4.00 | 6.00 |
| | Max. | | Btu/h | 10,900 | 13,600 | 20,500 |
| | Max. | | kcal/h | 2,752 | 3,439 | 5,159 |
| Cooling capacity - Low sound mode (Stb. 2020, 189) | Min. | | kcal/h | | - | |
| | Max. | | kcal/h | | - | |
| Heating capacity | Min. | | kW | 1.30 | 1.40 | 1.70 |
| | Min. | | Btu/h | 4,400 | 4,800 | 5,800 |
| | Min. | | kcal/h | 1,100 | 1,200 | 1,500 |
| | Nom. | | kW | 2.80 | 4.00 | 5.80 |
| | Nom. | | Btu/h | 9,600 | 13,600 | 19,800 |
| | Nom. | | kcal/h | 2,408 | 3,439 | 4,987 |
| | Max. | | kW | 4.70 | 5.20 | 7.70 |
| | Max. | | Btu/h | 16,000 | 17,700 | 26,300 |
| | Max. | | kcal/h | 4,041 | 4,471 | 6,621 |
| Power input | Cooling | Nom. | kW | 0.56 | 0.80 | 1.45 |
| | Heating | Nom. | kW | 0.56 | 0.99 | 1.53 |
| Nominal efficiency | EER | | | 4.50 | 4.23 | 3.45 |
| | COP | | | 5.00 | 4.04 | 3.79 |
| | Annual energy consumption | | kWh | 278 | 402 | 725 |
| | Energy labeling Directive | Cooling | | | A | |
| | | Heating | | | A | |
| Space cooling | Energy efficiency class | | | A+++ | | A++ |
| | Capacity | Pdesign | kW | 2.50 | 3.40 | 5.00 |
| | SEER | | | 8.55 | | 7.35 |
| | Annual energy consumption | | kWh/a | 102 | 139 | 238 |
| Space heating (Average climate) | Capacity | Pdesign | kW | 2.40 | 2.50 | 4.60 |
| | Energy efficiency class | | | A+++ | | A++ |
| | SCOP/A | | | 5.10 | | 4.65 |
| | SCOPnet/A | | | 5.14 | | 4.69 |
| | Pdh Heating capacity at -10° | | kW | 2.30 | 2.35 | 3.85 |
| Space heating (Average climate) | Annual energy consumption | | kWh/a | 659 | 686 | 1,384 |
| | Required back up heating cap at design conditions | | kW | 0.10 | 0.15 | 0.75 |
| Space heating (Warm climate) | Capacity | Pdesignh | kW | 1.29 | 1.35 | 2.48 |
| | Energy efficiency class | | | | A+++ | |
| | SCOP | | | 6.15 | 6.14 | 5.97 |
| | SCOPnet | | | 6.23 | 6.17 | 6.08 |
| | Annual energy consumption | | kWh/a | 294 | 308 | 581 |
| | Required back up heating cap at design conditions | | kW | | 0.00 | |
| Space cooling | A Condition (35°C - 27/19) | Pdc | kW | 2.50 | 3.40 | 5.00 |
| | | EERd | | 4.50 | 4.23 | 3.45 |
| | | Power input | kW | 0.56 | 0.80 | 1.45 |
| | B Condition (30°C - 27/19) | Pdc | kW | 1.85 | 2.51 | 3.69 |
| | | EERd | | 6.38 | 6.16 | 5.55 |
| | | Power input | kW | 0.29 | 0.41 | 0.66 |
| | C Condition (25°C - 27/19) | Pdc | kW | 1.19 | 1.62 | 2.37 |
| | | EERd | | 10.02 | 10.04 | 8.29 |
| | | Power input | kW | 0.12 | 0.16 | 0.29 |
| | D Condition (20°C - 27/19) | Pdc | kW | 1.17 | 1.07 | 1.83 |
| | | EERd | | 16.51 | 16.24 | 14.55 |
| | | Power input | kW | 0.07 | | 0.13 |

# 2 Specifications

## 1 - 1 ARXM-R



| Technical specifications | | | | | ATXM25R + ARXM25R | ATXM35R + ARXM35R | ATXM50R + ARXM50R |
|---|---|---|---|---|---|---|---|
| Space heating (Average climate) | TOL | Tol (temperature operating limit) | | °C | -20 | | |
| | | Pdh (declared heating cap) | | kW | 2.14 | | 3.12 |
| | | COPd (declared COP) | | | 2.30 | 2.49 | 2.06 |
| | | Power input | | kW | 0.93 | 0.86 | 1.51 |
| | TBivalent | Tbiv (bivalent temperature) | | °C | -7 | | |
| | | Pdh (declared heating cap) | | kW | 2.13 | 2.22 | 4.07 |
| | | COPd (declared COP) | | | 3.61 | 3.55 | 2.85 |
| | | Power input | | kW | 0.59 | 0.62 | 1.43 |
| | A Condition (-7°C) | Pdh (declared heating cap) | | kW | 2.13 | 2.22 | 4.07 |
| | | COPd (declared COP) | | | 3.61 | 3.55 | 2.85 |
| | | Power input | | kW | 0.59 | 0.62 | 1.43 |
| | B Condition (2°C) | Pdh (declared heating cap) | | kW | 1.29 | 1.35 | 2.48 |
| | | COPd (declared COP) | | | 5.13 | 5.12 | 4.61 |
| | | Power input | | kW | 0.25 | 0.26 | 0.54 |
| | C Condition (7°C) | Pdh (declared heating cap) | | kW | 0.94 | 0.93 | 1.61 |
| | | COPd (declared COP) | | | 6.28 | 6.23 | 6.41 |
| | | Power input | | kW | 0.15 | | 0.25 |
| Space heating (Average climate) | D Condition (12°C) | Pdh (declared heating cap) | | kW | 1.08 | | 1.80 |
| | | COPd (declared COP) | | | 7.87 | 7.68 | 7.13 |
| | | Power input | | kW | 0.14 | | 0.25 |
| Space heating (Warm climate) | TOL | Tol (temperature operating limit) | | °C | -20 | | |
| | | Pdh (declared heating cap) | | kW | 2.14 | | 3.12 |
| | | COPd (declared COP) | | | 2.30 | 2.49 | 2.06 |
| | | Power input | | kW | 0.93 | 0.86 | 1.51 |
| | TBivalent | Tbiv (bivalent temperature) | | °C | 2 | | |
| | | Pdh (declared heating cap) | | kW | 1.29 | 1.35 | 2.48 |
| | | COPd (declared COP) | | | 5.13 | 5.12 | 4.61 |
| | | Power input | | kW | 0.25 | 0.26 | 0.54 |
| | B Condition (2°C) | Pdh (declared heating cap) | | kW | 1.29 | 1.35 | 2.48 |
| | | COPd (declared COP) | | | 5.13 | 5.12 | 4.61 |
| | | Power input | | kW | 0.25 | 0.26 | 0.54 |
| | C Condition (7°C) | Pdh (declared heating cap) | | kW | 0.94 | 0.93 | 1.61 |
| | | COPd (declared COP) | | | 6.28 | 6.23 | 6.41 |
| | | Power input | | kW | 0.15 | | 0.25 |
| | D Condition (12°C) | Pdh (declared heating cap) | | kW | 1.08 | | 1.80 |
| | | COPd (declared COP) | | | 7.87 | 7.68 | 7.13 |
| | | Power input | | kW | 0.14 | | 0.25 |
| Power consumption in other than active mode | Off mode | POFF | | W | 1 | | |
| | Standby mode | Cooling | PSB | W | 1 | | |
| | | Heating | PSB | W | 1 | | |
| | Thermostat-off mode | PTO | Cooling | W | 6 | | 12 |
| | | | Heating | W | 7 | | 13 |
| Cooling | Cdc (Degradation cooling) | | | | 0.25 | | |
| Heating | Cdh (Degradation heating) | | | | 0.25 | | |
| Cooling function included | | | | | Yes | | |
| Heating function included | | | | | Yes | | |
| Average climate included | | | | | Yes | | |
| Cold season included | | | | | No | | |
| Warm season included | | | | | Yes | | |
| Eurovent | Sound power level outdoor | Cooling | Nom. | dBA | 58 | 61 | 62 |
| | Sound power level indoor | Cooling | Nom. | dBA | 58 | | 62 |
| | Piping length | Cooling | Measuring condition | m | 5.00 | | |

See separate drawing for operation range |
See separate drawing for electrical data |
Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. |
Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m.

| Technical specifications | ATXM25N + ARXM25R | ATXM35N + ARXM35R |
|---|---|---|
| Indoor unit | ATXM25N2V1B | ATXM35N2V1B |
| Outdoor unit | ARXM25R5V1B | ARXM35R5V1B |

# 2 Specifications

## 1 - 1 ARXM-R

| Technical specifications | | | | ATXM25N + ARXM25R | ATXM35N + ARXM35R |
|---|---|---|---|---|---|
| Cooling capacity | Min. | | kW | 1.30 | 1.40 |
| | Min. | | Btu/h | 4,400 | 4,800 |
| | Min. | | kcal/h | 1,118 | 1,204 |
| | Nom. | | kW | 2.50 | 3.40 |
| | Nom. | | Btu/h | 8,500 | 11,600 |
| | Nom. | | kcal/h | 2,150 | 2,923 |
| | Max. | | kW | 3.20 | 4.00 |
| | Max. | | Btu/h | 10,900 | 13,600 |
| | Max. | | kcal/h | 2,752 | 3,439 |
| Cooling capacity - Low sound mode (Stb. 2020, 189) | Min. | | kcal/h | - | |
| | Max. | | kcal/h | - | |
| Heating capacity | Min. | | kW | 1.30 | 1.40 |
| | Min. | | Btu/h | 4,400 | 4,800 |
| | Min. | | kcal/h | 1,100 | 1,200 |
| | Nom. | | kW | 2.80 | 4.00 |
| | Nom. | | Btu/h | 9,600 | 13,600 |
| | Nom. | | kcal/h | 2,408 | 3,439 |
| | Max. | | kW | 4.70 | 5.20 |
| | Max. | | Btu/h | 16,000 | 17,700 |
| | Max. | | kcal/h | 4,041 | 4,471 |
| Power input | Cooling | Nom. | kW | 0.57 | 0.83 |
| | Heating | Nom. | kW | 0.56 | 0.99 |
| Nominal efficiency | EER | | | 4.39 | 4.09 |
| | COP | | | 5.00 | 4.04 |
| | Annual energy consumption | | kWh | 285 | 416 |
| | Energy labeling Directive | Cooling | | A | |
| | | Heating | | A | |
| Space cooling | Energy efficiency class | | | A+++ | |
| | Capacity | Pdesign | kW | 2.50 | 3.40 |
| | SEER | | | 8.55 | |
| | Annual energy consumption | | kWh/a | 102 | 139 |
| Space heating (Average climate) | Capacity | Pdesign | kW | 2.40 | 2.50 |
| | Energy efficiency class | | | A+++ | |
| | SCOP/A | | | 5.10 | |
| Space heating (Average climate) | SCOPnet/A | | | 5.14 | |
| | Pdh Heating capacity at -10° | | kW | 2.30 | 2.35 |
| | Annual energy consumption | | kWh/a | 659 | 687 |
| | Required back up heating cap at design conditions | | kW | 0.10 | 0.15 |
| Space heating (Warm climate) | Capacity | Pdesignh | kW | 1.29 | 1.35 |
| | Energy efficiency class | | | A+++ | |
| | SCOP | | | 6.15 | 6.14 |
| | SCOPnet | | | 6.26 | 6.30 |
| | Annual energy consumption | | kWh/a | 294 | 305 |
| | Required back up heating cap at design conditions | | kW | 0.00 | |
| Space cooling | A Condition (35°C - 27/19) | Pdc | kW | 2.50 | 3.40 |
| | | EERd | | 4.39 | 4.09 |
| | | Power input | kW | 0.57 | 0.83 |
| | B Condition (30°C - 27/19) | Pdc | kW | 1.84 | 2.51 |
| | | EERd | | 6.53 | 6.19 |
| | | Power input | kW | 0.28 | 0.41 |
| | C Condition (25°C - 27/19) | Pdc | kW | 1.18 | 1.55 |
| | | EERd | | 9.93 | 10.10 |
| | | Power input | kW | 0.12 | 0.15 |
| | D Condition (20°C - 27/19) | Pdc | kW | 1.05 | 1.07 |
| | | EERd | | 16.20 | 16.24 |
| | | Power input | kW | 0.06 | 0.07 |

# 2 Specifications

## 1 - 1 ARXM-R



| Technical specifications | | | | | ATXM25N + ARXM25R | ATXM35N + ARXM35R |
|---|---|---|---|---|---|---|
| Space heating (Average climate) | TOL | Tol (temperature operating limit) | | °C | -20 | |
| | | Pdh (declared heating cap) | | kW | 2.14 | |
| | | COPd (declared COP) | | | 2.29 | 2.49 |
| | | Power input | | kW | 0.93 | 0.86 |
| | TBivalent | Tbiv (bivalent temperature) | | °C | -7 | |
| | | Pdh (declared heating cap) | | kW | 2.12 | 2.21 |
| | | COPd (declared COP) | | | 3.60 | 3.50 |
| | | Power input | | kW | 0.59 | 0.63 |
| | A Condition (-7°C) | Pdh (declared heating cap) | | kW | 2.12 | 2.21 |
| | | COPd (declared COP) | | | 3.60 | 3.50 |
| | | Power input | | kW | 0.59 | 0.63 |
| | B Condition (2°C) | Pdh (declared heating cap) | | kW | 1.29 | 1.34 |
| | | COPd (declared COP) | | | 5.13 | |
| | | Power input | | kW | 0.25 | 0.26 |
| | C Condition (7°C) | Pdh (declared heating cap) | | kW | 0.94 | 0.95 |
| Space heating (Average climate) | C Condition (7°C) | COPd (declared COP) | | | 6.22 | |
| | | Power input | | kW | 0.15 | |
| | D Condition (12°C) | Pdh (declared heating cap) | | kW | 0.98 | 1.09 |
| | | COPd (declared COP) | | | 7.81 | |
| | | Power input | | kW | 0.12 | 0.14 |
| Space heating (Warm climate) | TOL | Tol (temperature operating limit) | | °C | -20 | |
| | | Pdh (declared heating cap) | | kW | 2.14 | 2.59 |
| | | COPd (declared COP) | | | 2.29 | 2.49 |
| | | Power input | | kW | 0.93 | 1.04 |
| | TBivalent | Tbiv (bivalent temperature) | | °C | 2 | |
| | | Pdh (declared heating cap) | | kW | 1.29 | 1.34 |
| | | COPd (declared COP) | | | 5.13 | |
| | | Power input | | kW | 0.25 | 0.26 |
| | B Condition (2°C) | Pdh (declared heating cap) | | kW | 1.29 | 1.34 |
| | | COPd (declared COP) | | | 5.13 | |
| | | Power input | | kW | 0.25 | 0.26 |
| | C Condition (7°C) | Pdh (declared heating cap) | | kW | 0.94 | 0.95 |
| | | COPd (declared COP) | | | 6.22 | |
| | | Power input | | kW | 0.15 | |
| | D Condition (12°C) | Pdh (declared heating cap) | | kW | 0.98 | 1.09 |
| | | COPd (declared COP) | | | 7.81 | |
| | | Power input | | kW | 0.12 | 0.14 |
| Power consumption in other than active mode | Off mode | POFF | | | W | 1 |
| | Standby mode | Cooling | PSB | | W | 1 |
| | | Heating | PSB | | W | 1 |
| | Thermostat-off mode | PTO | Cooling | | W | 6 |
| | | | Heating | | W | 7 |
| Cooling | Cdc (Degradation cooling) | | | | | 0.25 |
| Heating | Cdh (Degradation heating) | | | | | 0.25 |
| Cooling function included | | | | | | Yes |
| Heating function included | | | | | | Yes |
| Average climate included | | | | | | Yes |
| Cold season included | | | | | | No |
| Warm season included | | | | | | Yes |
| Ecolabel logo | | | | | | No |
| Eurovent | Sound power level outdoor | Cooling | Nom. | | dBA | 58 | 61 |
| | Sound power level indoor | Cooling | Nom. | | dBA | 58 | |
| Eurovent | Piping length | Cooling | Measuring condition | | m | 5.00 | |

See separate drawing for operation range |
See separate drawing for electrical data |
Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. |
Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m.

| Technical specifications | | | FAA71A + ARXM71R |
|---|---|---|---|
| Cooling capacity | Nom. | kW | 6.80 |
| | Nom. | Btu/h | 23,200 |
| | Nom. | kcal/h | 5,847 |
| | Max. | kW | 6.95 |
| | Max. | Btu/h | 23,700 |
| | Max. | kcal/h | 5,976 |

# 2 Specifications

## 1 - 1 ARXM-R

| Technical specifications | | | | FAA71A + ARXM71R |
|---|---|---|---|---|
| Cooling capacity - Low sound mode (Stb. 2020, 189) | Min. | | kcal/h | - |
| | Max. | | kcal/h | - |
| Heating capacity | Nom. | | kW | 7.50 |
| | Nom. | | Btu/h | 25,600 |
| | Nom. | | kcal/h | 6,449 |
| | Max. | | kW | 7.59 |
| | Max. | | Btu/h | 25,900 |
| | Max. | | kcal/h | 6,526 |
| Power input | Cooling | Nom. | kW | 2.00 |
| | Heating | Nom. | kW | 2.35 |
| Nominal efficiency | EER | | | 3.40 |
| | COP | | | 3.19 |
| | Annual energy consumption | | kWh | 1,000 |
| | Energy labeling Directive | Cooling | | A |
| | | Heating | | D |
| Space cooling | Energy efficiency class | | | A+ |
| | Capacity | Pdesign | kW | 6.80 |
| | SEER | | | 5.77 |
| | Annual energy consumption | | kWh/a | 412 |
| Space heating (Average climate) | Capacity | Pdesign | kW | 4.50 |
| | Energy efficiency class | | | A |
| | SCOP/A | | | 3.81 |
| | SCOPnet/A | | | 3.82 |
| | Pdh Heating capacity at -10° | | kW | 4.50 |
| | Annual energy consumption | | kWh/a | 1,652 |
| | Required back up heating cap at design conditions | | kW | 0.00 |
| Space heating (Warm climate) | Capacity | Pdesignh | kW | 2.42 |
| | Energy efficiency class | | | A++ |
| | SCOP | | | 4.81 |
| | SCOPnet | | | 4.88 |
| Space heating (Warm climate) | Annual energy consumption | | kWh/a | 705 |
| | Required back up heating cap at design conditions | | kW | 0.00 |
| Space cooling | A Condition (35°C - 27/19) | Pdc | kW | 6.80 |
| | | EERd | | 3.40 |
| | | Power input | kW | 2.00 |
| | B Condition (30°C - 27/19) | Pdc | kW | 5.01 |
| | | EERd | | 4.67 |
| | | Power input | kW | 1.07 |
| | C Condition (25°C - 27/19) | Pdc | kW | 3.22 |
| | | EERd | | 6.83 |
| | | Power input | kW | 0.47 |
| | D Condition (20°C - 27/19) | Pdc | kW | 1.69 |
| | | EERd | | 8.10 |
| | | Power input | kW | 0.21 |
| Space heating (Average climate) | TOL | Tol (temperature operating limit) | °C | -15 |
| | | Pdh (declared heating cap) | kW | 4.03 |
| | | COPd (declared COP) | | 1.90 |
| | | Power input | kW | 2.12 |
| | TBivalent | Tbiv (bivalent temperature) | °C | -10 |
| | | Pdh (declared heating cap) | kW | 4.50 |
| | | COPd (declared COP) | | 2.11 |
| | | Power input | kW | 2.13 |
| | A Condition (-7°C) | Pdh (declared heating cap) | kW | 3.98 |
| | | COPd (declared COP) | | 2.34 |
| | | Power input | kW | 1.70 |
| | B Condition (2°C) | Pdh (declared heating cap) | kW | 2.42 |
| | | COPd (declared COP) | | 3.81 |
| | | Power input | kW | 0.64 |
| | C Condition (7°C) | Pdh (declared heating cap) | kW | 1.56 |
| | | COPd (declared COP) | | 5.05 |
| | | Power input | kW | 0.31 |
| | D Condition (12°C) | Pdh (declared heating cap) | kW | 1.52 |
| | | COPd (declared COP) | | 5.69 |
| | | Power input | kW | 0.27 |
| Space heating (Warm climate) | TOL | Tol (temperature operating limit) | °C | -15 |
| | | Pdh (declared heating cap) | kW | 4.03 |
| | | COPd (declared COP) | | 1.90 |

# 2 Specifications

## 1 - 1 ARXM-R



| Technical specifications | | | | | FAA71A + ARXM71R |
|---|---|---|---|---|---|
| Space heating (Warm climate) | TOL | Power input | | kW | 2.12 |
| | TBivalent | Tbiv (bivalent temperature) | | °C | 2 |
| | | Pdh (declared heating cap) | | kW | 2.42 |
| | | COPd (declared COP) | | | 3.81 |
| | | Power input | | kW | 0.64 |
| | B Condition (2°C) | Pdh (declared heating cap) | | kW | 2.42 |
| | | COPd (declared COP) | | | 3.81 |
| | | Power input | | kW | 0.64 |
| | C Condition (7°C) | Pdh (declared heating cap) | | kW | 1.56 |
| | | COPd (declared COP) | | | 5.05 |
| | | Power input | | kW | 0.31 |
| | D Condition (12°C) | Pdh (declared heating cap) | | kW | 1.52 |
| | | COPd (declared COP) | | | 5.69 |
| | | Power input | | kW | 0.27 |
| Power consumption in other than active mode | Off mode | POFF | | W | 6 |
| | Standby mode | Cooling | PSB | W | 6 |
| | | Heating | PSB | W | 7 |
| | Thermostat-off mode | PTO | Cooling | W | 2 |
| | | | Heating | W | 14 |
| Cooling | Cdc (Degradation cooling) | | | | 0.25 |
| Heating | Cdh (Degradation heating) | | | | 0.25 |
| Cooling function included | | | | | Yes |
| Heating function included | | | | | Yes |
| Average climate included | | | | | Yes |
| Cold season included | | | | | No |
| Warm season included | | | | | Yes |
| Eurovent | Sound power level outdoor | Cooling | Nom. | dBA | 65 |
| | Sound power level indoor | Cooling | Nom. | dBA | 61 |
| | Piping length | Cooling | Measuring condition | m | 5 |

See separate drawing for operation range |
See separate drawing for electrical data |
Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. |
Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m.

| Technical specifications | | | | FBA71A9 + ARXM71R |
|---|---|---|---|---|
| Cooling capacity | Nom. | | kW | 6.80 |
| | Nom. | | Btu/h | 23,200 |
| | Nom. | | kcal/h | 5,847 |
| | Max. | | kW | 6.98 |
| | Max. | | Btu/h | 23,800 |
| | Max. | | kcal/h | 6,002 |
| Cooling capacity - Low sound mode (Stb. 2020, 189) | Min. | | kcal/h | - |
| | Max. | | kcal/h | - |
| Heating capacity | Nom. | | kW | 7.50 |
| | Nom. | | Btu/h | 25,600 |
| | Nom. | | kcal/h | 6,449 |
| | Max. | | kW | 7.66 |
| | Max. | | Btu/h | 26,100 |
| | Max. | | kcal/h | 6,586 |
| Power input | Cooling | Nom. | kW | 1.89 |
| | Heating | Nom. | kW | 2.04 |
| Nominal efficiency | EER | | | 3.60 |
| | COP | | | 3.67 |
| | Annual energy consumption | | kWh | 944 |
| | Energy labeling Directive | Cooling | | A |
| | | Heating | | A |
| Space cooling | Energy efficiency class | | | A |
| | Capacity | Pdesign | kW | 6.80 |
| | SEER | | | 5.57 |
| | Annual energy consumption | | kWh/a | 427 |

# 2 Specifications

## 1 - 1 ARXM-R

| Technical specifications | | | | | FBA71A9 + ARXM71R |
|---|---|---|---|---|---|
| Space heating (Average climate) | Capacity | Pdesign | | kW | 4.50 |
| | Energy efficiency class | | | | A |
| | SCOP/A | | | | 3.81 |
| | SCOPnet/A | | | | 3.82 |
| | Pdh Heating capacity at -10° | | | kW | 4.50 |
| | Annual energy consumption | | | kWh/a | 1,652 |
| | Required back up heating cap at design conditions | | | kW | 0.00 |
| Space heating (Warm climate) | Capacity | Pdesignh | | kW | 2.42 |
| | Energy efficiency class | | | | A+ |
| | SCOP | | | | 4.23 |
| | SCOPnet | | | | 4.30 |
| Space heating (Warm climate) | Annual energy consumption | | | kWh/a | 801 |
| | Required back up heating cap at design conditions | | | kW | 0.00 |
| Space cooling | A Condition (35°C - 27/19) | Pdc | | kW | 6.80 |
| | | EERd | | | 3.60 |
| | | Power input | | kW | 1.89 |
| | B Condition (30°C - 27/19) | Pdc | | kW | 5.01 |
| | | EERd | | | 4.66 |
| | | Power input | | kW | 1.08 |
| | C Condition (25°C - 27/19) | Pdc | | kW | 3.22 |
| | | EERd | | | 6.89 |
| | | Power input | | kW | 0.47 |
| | D Condition (20°C - 27/19) | Pdc | | kW | 1.87 |
| | | EERd | | | 7.60 |
| | | Power input | | kW | 0.25 |
| Space heating (Average climate) | TOL | Tol (temperature operating limit) | | °C | -15 |
| | | Pdh (declared heating cap) | | kW | 4.03 |
| | | COPd (declared COP) | | | 2.00 |
| | | Power input | | kW | 2.02 |
| | TBivalent | Tbiv (bivalent temperature) | | °C | -10 |
| | | Pdh (declared heating cap) | | kW | 4.50 |
| | | COPd (declared COP) | | | 2.26 |
| | | Power input | | kW | 1.99 |
| | A Condition (-7°C) | Pdh (declared heating cap) | | kW | 3.98 |
| | | COPd (declared COP) | | | 2.65 |
| | | Power input | | kW | 1.50 |
| | B Condition (2°C) | Pdh (declared heating cap) | | kW | 2.42 |
| | | COPd (declared COP) | | | 4.02 |
| | | Power input | | kW | 0.60 |
| | C Condition (7°C) | Pdh (declared heating cap) | | kW | 1.56 |
| | | COPd (declared COP) | | | 4.30 |
| | | Power input | | kW | 0.36 |
| | D Condition (12°C) | Pdh (declared heating cap) | | kW | 1.58 |
| | | COPd (declared COP) | | | 5.05 |
| | | Power input | | kW | 0.31 |
| Space heating (Warm climate) | TOL | Tol (temperature operating limit) | | °C | -15 |
| | | Pdh (declared heating cap) | | kW | 4.03 |
| | | COPd (declared COP) | | | 2.00 |
| Space heating (Warm climate) | TOL | Power input | | kW | 2.02 |
| | TBivalent | Tbiv (bivalent temperature) | | °C | 2 |
| | | Pdh (declared heating cap) | | kW | 2.42 |
| | | COPd (declared COP) | | | 4.02 |
| | | Power input | | kW | 0.60 |
| | B Condition (2°C) | Pdh (declared heating cap) | | kW | 2.42 |
| | | COPd (declared COP) | | | 4.02 |
| | | Power input | | kW | 0.60 |
| | C Condition (7°C) | Pdh (declared heating cap) | | kW | 1.56 |
| | | COPd (declared COP) | | | 4.30 |
| | | Power input | | kW | 0.36 |
| | D Condition (12°C) | Pdh (declared heating cap) | | kW | 1.58 |
| | | COPd (declared COP) | | | 5.05 |
| | | Power input | | kW | 0.31 |
| Power consumption in other than active mode | Off mode | POFF | | W | 10 |
| | Standby mode | Cooling | PSB | W | 10 |
| | | Heating | PSB | W | 9 |
| | Thermostat-off mode | PTO | Cooling | W | 13 |
| | | | Heating | W | 17 |
| Cooling | Cdc (Degradation cooling) | | | | 0.25 |

# 2 Specifications

## 1 - 1 ARXM-R



| Technical specifications | | | | | FBA71A9 + ARXM71R |
|---|---|---|---|---|---|
| Heating | Cdh (Degradation heating) | | | | 0.25 |
| Cooling function included | | | | | Yes |
| Heating function included | | | | | Yes |
| Average climate included | | | | | Yes |
| Cold season included | | | | | No |
| Warm season included | | | | | Yes |
| Eurovent | Sound power level outdoor | Cooling | Nom. | dBA | 65 |
| | Sound power level indoor | Cooling | Nom. | dBA | 56 |
| | Piping length | Cooling | Measuring condition | m | 5 |

See separate drawing for operation range |
See separate drawing for electrical data |
Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. |
Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m.

| Technical specifications | | | | | FCAG71B + ARXM71R |
|---|---|---|---|---|---|
| Cooling capacity | Nom. | | | kW | 6.80 |
| | Nom. | | | Btu/h | 23,200 |
| | Nom. | | | kcal/h | 5,847 |
| | Max. | | | kW | 7.05 |
| | Max. | | | Btu/h | 24,100 |
| | Max. | | | kcal/h | 6,062 |
| Cooling capacity - Low sound mode (Stb. 2020, 189) | Min. | | | kcal/h | - |
| | Max. | | | kcal/h | - |
| Heating capacity | Nom. | | | kW | 7.50 |
| | Nom. | | | Btu/h | 25,600 |
| | Nom. | | | kcal/h | 6,449 |
| | Max. | | | kW | 7.58 |
| | Max. | | | Btu/h | 25,900 |
| | Max. | | | kcal/h | 6,518 |
| Power input | Cooling | Nom. | | kW | 2.17 |
| | Heating | Nom. | | kW | 2.22 |
| Nominal efficiency | EER | | | | 3.14 |
| | COP | | | | 3.38 |
| | Annual energy consumption | | | kWh | 1,083 |
| | Energy labeling Directive | Cooling | | | B |
| | | Heating | | | C |
| Space cooling | Energy efficiency class | | | | A+ |
| | Capacity | Pdesign | | kW | 6.80 |
| | SEER | | | | 5.87 |
| | Annual energy consumption | | | kWh/a | 405 |
| Space heating (Average climate) | Capacity | Pdesign | | kW | 4.50 |
| | Energy efficiency class | | | | A+ |
| | SCOP/A | | | | 4.00 |
| | SCOPnet/A | | | | 4.01 |
| | Pdh Heating capacity at -10° | | | kW | 4.50 |
| | Annual energy consumption | | | kWh/a | 1,573 |
| | Required back up heating cap at design conditions | | | kW | 0.00 |
| Space heating (Warm climate) | Capacity | Pdesignh | | kW | 2.42 |
| | Energy efficiency class | | | | A++ |
| | SCOP | | | | 5.03 |
| | SCOPnet | | | | 5.12 |
| Space heating (Warm climate) | Annual energy consumption | | | kWh/a | 673 |
| | Required back up heating cap at design conditions | | | kW | 0.00 |
| Space cooling | A Condition (35°C - 27/19) | Pdc | | kW | 6.80 |
| | | EERd | | | 3.14 |
| | | Power input | | kW | 2.17 |
| | B Condition (30°C - 27/19) | Pdc | | kW | 5.01 |
| | | EERd | | | 4.17 |
| | | Power input | | kW | 1.20 |
| | C Condition (25°C - 27/19) | Pdc | | kW | 3.22 |
| | | EERd | | | 7.16 |
| | | Power input | | kW | 0.45 |
| | D Condition (20°C - 27/19) | Pdc | | kW | 1.78 |
| | | EERd | | | 10.65 |
| | | Power input | | kW | 0.17 |

# 2 Specifications

## 1 - 1 ARXM-R

| Technical specifications | | | | | FCAG71B + ARXM71R |
|---|---|---|---|---|---|
| Space heating (Average climate) | TOL | Tol (temperature operating limit) | | °C | -15 |
| | | Pdh (declared heating cap) | | kW | 4.03 |
| | | COPd (declared COP) | | | 2.05 |
| | | Power input | | kW | 1.97 |
| | TBivalent | Tbiv (bivalent temperature) | | °C | -10 |
| | | Pdh (declared heating cap) | | kW | 4.50 |
| | | COPd (declared COP) | | | 2.31 |
| | | Power input | | kW | 1.95 |
| | A Condition (-7°C) | Pdh (declared heating cap) | | kW | 3.98 |
| | | COPd (declared COP) | | | 2.31 |
| | | Power input | | kW | 1.72 |
| | B Condition (2°C) | Pdh (declared heating cap) | | kW | 2.42 |
| | | COPd (declared COP) | | | 4.10 |
| | | Power input | | kW | 0.59 |
| | C Condition (7°C) | Pdh (declared heating cap) | | kW | 1.56 |
| | | COPd (declared COP) | | | 5.24 |
| | | Power input | | kW | 0.30 |
| | D Condition (12°C) | Pdh (declared heating cap) | | kW | 1.33 |
| | | COPd (declared COP) | | | 5.90 |
| | | Power input | | kW | 0.23 |
| Space heating (Warm climate) | TOL | Tol (temperature operating limit) | | °C | -15 |
| | | Pdh (declared heating cap) | | kW | 4.03 |
| | | COPd (declared COP) | | | 2.05 |
| Space heating (Warm climate) | TOL | Power input | | kW | 1.97 |
| | TBivalent | Tbiv (bivalent temperature) | | °C | 2 |
| | | Pdh (declared heating cap) | | kW | 2.42 |
| | | COPd (declared COP) | | | 4.10 |
| | | Power input | | kW | 0.59 |
| | B Condition (2°C) | Pdh (declared heating cap) | | kW | 2.42 |
| | | COPd (declared COP) | | | 4.10 |
| | | Power input | | kW | 0.59 |
| | C Condition (7°C) | Pdh (declared heating cap) | | kW | 1.56 |
| | | COPd (declared COP) | | | 5.24 |
| | | Power input | | kW | 0.30 |
| | D Condition (12°C) | Pdh (declared heating cap) | | kW | 1.33 |
| | | COPd (declared COP) | | | 5.90 |
| | | Power input | | kW | 0.23 |
| Power consumption in other than active mode | Off mode | POFF | | | W 7 |
| | Standby mode | Cooling | PSB | | W 7 |
| | | Heating | PSB | | W 8 |
| | Thermostat-off mode | PTO | Cooling | | W 11 |
| | | | Heating | | W 16 |
| Cooling | Cdc (Degradation cooling) | | | | 0.25 |
| Heating | Cdh (Degradation heating) | | | | 0.25 |
| Cooling function included | | | | | Yes |
| Heating function included | | | | | Yes |
| Average climate included | | | | | Yes |
| Cold season included | | | | | No |
| Warm season included | | | | | Yes |
| Eurovent | Sound power level outdoor | Cooling | Nom. | | dBA 65 |
| | Sound power level indoor | Cooling | Nom. | | dBA 51 |
| | Piping length | Cooling | Measuring condition | | m 5 |

See separate drawing for operation range |
See separate drawing for electrical data |
Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. |
Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m.

| Technical Specifications | | | | ARXM35R | ARXM50R | ARXM60R | ARXM71R | ARXM25R |
|---|---|---|---|---|---|---|---|---|
| Casing | Colour | | | Ivory white | | | | |
| Dimensions | Unit | Height | mm | 550 | 734 | | | 550 |
| | | Width | mm | 765 | 954 | | | 765 |
| | | Depth | mm | 285 | 401 | | | 285 |
| | Packed unit | Height | mm | 612 | 820 | | | 612 |
| | | Width | mm | 906 | 1,050 | | | 906 |
| | | Depth | mm | 402 | 480 | | | 402 |
| Weight | Unit | | kg | 32 | 49.0 | | | 32 |
| | Packed unit | | kg | 34 | 53 | | | 34 |

# 2 Specifications

## 1 - 1 ARXM-R



| Technical Specifications | | | | | ARXM35R | ARXM50R | ARXM60R | ARXM71R | ARXM25R |
|---|---|---|---|---|---|---|---|---|---|
| Packing | Weight | | | kg | - | 4 | | | - |
| Heat exchanger | Length | | | mm | 805 | 920 | | | 805 |
| | Rows | Quantity | | | 2 | | | | |
| | Fin pitch | | | mm | 1.4 | 1.40 | | | 1.4 |
| | Stages | Quantity | | | 24 | 32 | | | 24 |
| | Passes | Quantity | | | 3.1 | 2.2 | | | 3.1 |
| | Tube type | | | | ø7 Hi-XD | 7.0 Hi-XD | | ø7 Hi-XD | |
| | Fin | Type | | | Waffle fin (PE) | | | | |
| Fan | Type | | | | Propeller fan | | | | |
| | Air flow rate | Cooling | Nom. | $m^3$/min | 36.0 | 46.6 | | | 28.3 |
| | | | | cfm | 1,271 | 1,645 | | | 999 |
| | | Heating | Nom. | $m^3$/min | 28.3 | 44.1 | | | 28.3 |
| | | | | cfm | 999 | 1,557 | | | 999 |
| Fan motor | Model | | | | DFC05A3VA | D55F-31 | | | DFC05A3VA |
| | Output | | | W | 50 | 55 | | | 50 |
| | Speed | Cooling | High | rpm | 920 | 760 | | | 860 |
| | | | Nom. | rpm | 860 | 740 | | | 800 |
| | | | Low | rpm | 400 | 640 | | | 400 |
| | | Heating | High | rpm | 860 | 720 | | | 860 |
| | | | Nom. | rpm | 800 | 720 | | | 800 |
| | | | Low | rpm | 400 | 660 | | | 400 |
| Compressor | Model | | | | 1YC25GXD#C | 2YC40JXD#C | | | 1YC25GXD#C |
| | Oil Amount | | | $cm^3$ | - | 650 | | | - |
| | Type | | | | Hermetically sealed swing compressor | | | | |
| | Output | | | W | 800 | 1,300.0 | | | 800 |
| | Oil Type | | | | - | FW68DA | | | - |
| Operation range | Cooling | Ambient | Min. | °CDB | - | -10 (1) / -10 (2) | -10 | | - |
| Operation range | Cooling | Ambient | Max. | °CDB | - | 50 (1) / 46 (2) | 46 | | - |
| | Heating | Ambient | Min. | °CDB | - | -20 (1) / -15 (2) | -15 | | - |
| | | | Max. | °CDB | - | 24 (1) / 24 (2) | 24 | | - |
| Sound power level | Heating | Nom. | | dBA | 61 | 62.0 | 63.0 | 65.0 | 59 |
| Sound pressure level | Cooling | Nom. | | dBA | 49 | 48.0 | | 52.0 | 46 |
| | Heating | Nom. | | dBA | 49 | 49.0 | | 52.0 | 47 |
| Refrigerant | Type | | | | R-32 | | | | |
| | Charge | | | kg | 0.76 | 1.15 | | | 0.76 |
| | Charge | | | TCO2Eq | 0.52 | 0.780 | | | 0.52 |
| | Control | | | | Expansion valve | - | | | Expansion valve |
| | GWP | | | | 675 | 675.0 | | | 675 |
| Piping connections | Liquid | OD | | mm | 6.35 | | | 9.52 | 6.35 |
| | Gas | OD | | mm | 9.50 | 12.7 | | 15.9 | 9.50 |
| | Drain | OD | | mm | 18 | 16 | | | 18 |
| | Piping length | OU - IU | Max. | m | 20 | 30 | | | 20 |
| | | System | Chargeless | m | 10 | - | | | 10 |
| | Additional refrigerant charge | | | kg/m | 0.02 (for piping length exceeding 10m) | | | 0.035 (for piping length exceeding 10m) | 0.02 (for piping length exceeding 10m) |
| | Level difference | IU - OU | Max. | m | 15 | 20.0 | | | 15 |
| | Heat insulation | | | | Both liquid and gas pipes | | | | |
| Capacity control | Method | | | | Variable (inverter) | | | | |

Standard accessories: Drain plug; Quantity: 1;

Standard accessories: Installation manual; Quantity: 1;

Standard accessories: Refrigerant charge label; Quantity: 1;

Standard accessories: Multilingual fluorinated greenhouse gases labels; Quantity: 1;

Standard accessories: Drain cap (1); Quantity: 6;

Standard accessories: Drain cap (2); Quantity: 3;

| Electrical Specifications | | | | ARXM35R | ARXM50R | ARXM60R | ARXM71R | ARXM25R |
|---|---|---|---|---|---|---|---|---|
| Power supply | Phase | | | 1~ | | | | |
| | Frequency | | Hz | 50 | | | | |
| | Voltage | | V | 220-240 | | | | |
| Wiring connections | For power supply | Quantity | | 3 | | | | |
| | | Remark | | Earth wire included | | | | |
| | For connection with indoor | Quantity | | 4 | | | | |
| | | Remark | | Earth wire included | | | | |

(1)Only possible in combination with CTXM*N2V1B, ATXM*N2V1B, FTXM*N2V1B |
(2)Only possible in combination with CTXM*M2V1B, ATXM*M2V1B, FTXM*M2V1B, FVXM*FV1B, FCAG*AVEB, FFA*A2VEB9,FBA*A2VEB9, FHA*AVEB9, FDXM*F3V1B9, FNA*A2VEB9, ADEA*A2VEB· |
See separate drawing for operation range |
See separate drawing for electrical data |
Contains fluorinated greenhouse gases

# 3 Electrical data

## 3 - 1 Electrical Data

### ARXM25-35R

| Unit combination restrictions | | Power supply | | | | | COMP | | OFM | | IFM | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Indoor unit | Outdoor unit | Hz | Voltage | Voltage range | MCA | MFA | RHz | RLA | kW | FLA | kW | FLA |
| RXM20R5V1B | FTXM20R2V1B | 50 | 220 | Maximum ·50·Hz ·264·V | 8,93 | 10 | 32,5 | 1,7 | 0,048 | 0,320 | 0,029 | 0,30 |
| | | 50 | 230 | | | | | 1,6 | | | | |
| | | 50 | 240 | Minimum ·50·Hz ·198·V | | | | 1,6 | | | | |
| RXM25R5V1B | FTXM25R2V1B | 50 | 220 | Maximum ·50·Hz ·264·V | 9,71 | 13 | 46,0 | 2,3 | 0,040 | 0,280 | 0,025 | 0,30 |
| | | 50 | 230 | | | | | 2,2 | | | | |
| | | 50 | 240 | Minimum ·50·Hz ·198·V | | | | 2,1 | | | | |
| RXM25R5V1B | FFA25A2VEB9 | 50 | 220 | Maximum ·50·Hz ·264·V | 10,79 | 13 | 40,0 | 2,3 | 0,040 | 0,280 | 0,050 | 0,20 |
| | | 50 | 230 | | | | | 2,5 | | | | |
| | | 50 | 240 | Minimum ·50·Hz ·198·V | | | | 2,6 | | | | |
| RXM25R5V1B | FDXM25F3V1B9 | 50 | 220 | Maximum ·50·Hz ·264·V | 10,92 | 13 | 39,0 | 2,1 | 0,040 | 0,280 | 0,034 | 0,30 |
| | | 50 | 230 | | | | | 2,2 | | | | |
| | | 50 | 240 | Minimum ·50·Hz ·198·V | | | | 2,3 | | | | |
| RXM25R5V1B | FNA25A2VEB9 | 50 | 220 | Maximum ·50·Hz ·264·V | 11,17 | 13 | 43,0 | 2,3 | 0,040 | 0,280 | 0,034 | 0,50 |
| | | 50 | 230 | | | | | 2,4 | | | | |
| | | 50 | 240 | Minimum ·50·Hz ·198·V | | | | 2,5 | | | | |
| RXM35R5V1B | FTXM35R2V1B | 50 | 220 | Maximum ·50·Hz ·264·V | 9,76 | 13 | 60,0 | 3,3 | 0,048 | 0,320 | 0,030 | 0,30 |
| | | 50 | 230 | | | | | 3,2 | | | | |
| | | 50 | 240 | Minimum ·50·Hz ·198·V | | | | 3,0 | | | | |
| RXM35R5V1B | FCAG35BVEB | 50 | 220 | Maximum ·50·Hz ·264·V | 10,92 | 13 | 63,0 | 3,6 | 0,048 | 0,320 | 0,048 | 0,30 |
| | | 50 | 230 | | | | | 3,8 | | | | |
| | | 50 | 240 | Minimum ·50·Hz ·198·V | | | | 4,0 | | | | |
| RXM35R5V1B | FBA35A2VEB9 | 50 | 220 | Maximum ·50·Hz ·264·V | 12,29 | 13 | 56,0 | 3,3 | 0,048 | 0,320 | 0,089 | 1,40 |
| | | 50 | 230 | | | | | 3,5 | | | | |
| | | 50 | 240 | Minimum ·50·Hz ·198·V | | | | 3,6 | | | | |
| RXM35R5V1B | FHA35AVEB9 | 50 | 220 | Maximum ·50·Hz ·264·V | 11,29 | 13 | 64,0 | 3,8 | 0,048 | 0,320 | 0,090 | 0,60 |
| | | 50 | 230 | | | | | 4,0 | | | | |
| | | 50 | 240 | Minimum ·50·Hz ·198·V | | | | 4,2 | | | | |
| RXM35R5V1B | FFA35A2VEB9 | 50 | 220 | Maximum ·50·Hz ·264·V | 10,79 | 13 | 64,0 | 3,6 | 0,048 | 0,320 | 0,050 | 0,20 |
| | | 50 | 230 | | | | | 3,8 | | | | |
| | | 50 | 240 | Minimum ·50·Hz ·198·V | | | | 4,0 | | | | |
| RXM35R5V1B | FDXM35F3V1B9 | 50 | 220 | Maximum ·50·Hz ·264·V | 10,92 | 13 | 65,0 | 3,6 | 0,048 | 0,320 | 0,034 | 0,30 |
| | | 50 | 230 | | | | | 3,8 | | | | |
| | | 50 | 240 | Minimum ·50·Hz ·198·V | | | | 3,9 | | | | |
| RXM35R5V1B | FNA35A2VEB9 | 50 | 220 | Maximum ·50·Hz ·264·V | 11,17 | 13 | 65,0 | 3,6 | 0,048 | 0,320 | 0,034 | 0,50 |
| | | 50 | 230 | | | | | 3,8 | | | | |
| | | 50 | 240 | Minimum ·50·Hz ·198·V | | | | 3,9 | | | | |
| ARXM25R5V1B | ATXM25R2V1B | 50 | 220 | Maximum ·50·Hz ·264·V | 9,71 | 13 | 46,0 | 2,3 | 0,040 | 0,280 | 0,025 | 0,30 |
| | | 50 | 230 | | | | | 2,2 | | | | |
| | | 50 | 240 | Minimum ·50·Hz ·198·V | | | | 2,1 | | | | |
| ARXM35R5V1B | ATXM35R2V1B | 50 | 220 | Maximum ·50·Hz ·264·V | 9,76 | 13 | 60,0 | 3,3 | 0,048 | 0,320 | 0,030 | 0,30 |
| | | 50 | 230 | | | | | 3,2 | | | | |
| | | 50 | 240 | Minimum ·50·Hz ·198·V | | | | 3,0 | | | | |
| RXM42R2V1B | FTXM42R2V1B | 50 | 220 | Maximum ·50·Hz ·264·V | 10,36 | 13 | 47,5 | 4,3 | 0,056 | 0,370 | 0,034 | 0,30 |
| | | 50 | 230 | | | | | 4,1 | | | | |
| | | 50 | 240 | Minimum ·50·Hz ·198·V | | | | 4,0 | | | | |
| RXM20R5V1B | FTXM20R5V1B | 50 | 220 | Maximum ·50·Hz ·264·V | 8,93 | 10 | 32,5 | 1,7 | 0,048 | 0,320 | 0,029 | 0,30 |
| | | 50 | 230 | | | | | 1,6 | | | | |
| | | 50 | 240 | Minimum ·50·Hz ·198·V | | | | 1,6 | | | | |
| RXM25R5V1B | FTXM25R5V1B | 50 | 220 | Maximum ·50·Hz ·264·V | 9,71 | 13 | 46,0 | 2,3 | 0,040 | 0,280 | 0,025 | 0,30 |
| | | 50 | 230 | | | | | 2,2 | | | | |
| | | 50 | 240 | Minimum ·50·Hz ·198·V | | | | 2,1 | | | | |
| RXM35R5V1B | FTXM35R5V1B | 50 | 220 | Maximum ·50·Hz ·264·V | 9,76 | 13 | 60,0 | 3,3 | 0,048 | 0,320 | 0,030 | 0,30 |
| | | 50 | 230 | | | | | 3,2 | | | | |
| | | 50 | 240 | Minimum ·50·Hz ·198·V | | | | 3,0 | | | | |
| RXM42R2V1B | FTXM42R5V1B | 50 | 220 | Maximum ·50·Hz ·264·V | 10,36 | 13 | 47,5 | 4,3 | 0,056 | 0,370 | 0,034 | 0,30 |
| | | 50 | 230 | | | | | 4,1 | | | | |
| | | 50 | 240 | Minimum ·50·Hz ·198·V | | | | 4,0 | | | | |
| ARXM25R5V1B | ATXM25R5V1B | 50 | 220 | Maximum ·50·Hz ·264·V | 9,71 | 13 | 46,0 | 2,3 | 0,040 | 0,280 | 0,025 | 0,30 |
| | | 50 | 230 | | | | | 2,2 | | | | |
| | | 50 | 240 | Minimum ·50·Hz ·198·V | | | | 2,1 | | | | |
| ARXM35R5V1B | ATXM35R5V1B | 50 | 220 | Maximum ·50·Hz ·264·V | 9,76 | 13 | 60,0 | 3,3 | 0,048 | 0,320 | 0,030 | 0,30 |
| | | 50 | 230 | | | | | 3,2 | | | | |
| | | 50 | 240 | Minimum ·50·Hz ·198·V | | | | 3,0 | | | | |
| RXM25R5V1B | FVXM25A2V1B | 50 | 220 | Maximum ·50·Hz ·264·V | 9,54 | 13 | 41,0 | 2,6 | 0,040 | 0,280 | 0,037 | 0,14 |
| | | 50 | 230 | | | | | 2,5 | | | | |
| | | 50 | 240 | Minimum ·50·Hz ·198·V | | | | 2,4 | | | | |
| RXM35R5V1B | FVXM35A2V1B | 50 | 220 | Maximum ·50·Hz ·264·V | 9,58 | 13 | 62,0 | 3,8 | 0,048 | 0,320 | 0,037 | 0,14 |
| | | 50 | 230 | | | | | 3,7 | | | | |
| | | 50 | 240 | Minimum ·50·Hz ·198·V | | | | 3,6 | | | | |

The ·RLA· is based on the following conditions.
Outdoor temperature ·35·°C DB
Indoor temperature ·27·°C DB / ·19·°C WB
Select the wire size according to the MCA.
The maximum allowable voltage that is unbalanced between phases is ·2·%.

Use a circuit breaker instead of a fuse.

Symbols
MCA: Minimum Circuit Ampere [A]
MFA: Maximum Fuse Ampere [A]
RLA: Rated load amps [A]
OFM: Outdoor fan motor
IFM: Indoor fan motor
RHz: Rated operating frequency [Hz]
FLA: Full Load Ampere [A]
kW: Fan motor rated output [kW]

**4D130519B**

# 3 Electrical data

## 3 - 1 Electrical Data



**ARXM25-35R**

| Unit combination restrictions | | Power supply | | | | | COMP | | OFM | | IFM | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Outdoor unit | Indoor unit | Hz | Voltage | Voltage range | MCA | MFA | RHz | RLA | kW | FLA | kW | FLA |
| RXM20N5V1B9 | FTXM20R2V1B | 50 | 220 | MAX. 50Hz 264V MIN. 50Hz 198V | 8,93 | 10 | 32,5 | 1,7 | 0,048 | 0,320 | 0,029 | 0,30 |
| | | 50 | 230 | | | | | 1,6 | | | | |
| | | 50 | 240 | | | | | 1,6 | | | | |
| RXM25N5V1B9 | FTXM25R2V1B | 50 | 220 | MAX. 50Hz 264V MIN. 50Hz 198V | 9,71 | 13 | 46,0 | 2,3 | 0,040 | 0,280 | 0,025 | 0,30 |
| | | 50 | 230 | | | | | 2,2 | | | | |
| | | 50 | 240 | | | | | 2,1 | | | | |
| RXM35N5V1B9 | FTXM35R2V1B | 50 | 220 | MAX. 50Hz 264V MIN. 50Hz 198V | 9,76 | 13 | 60,0 | 3,3 | 0,048 | 0,320 | 0,030 | 0,30 |
| | | 50 | 230 | | | | | 3,2 | | | | |
| | | 50 | 240 | | | | | 3,0 | | | | |
| ARXM25N5V1B9 | ATXM25R2V1B | 50 | 220 | MAX. 50Hz 264V MIN. 50Hz 198V | 9,71 | 13 | 46,0 | 2,3 | 0,040 | 0,280 | 0,025 | 0,30 |
| | | 50 | 230 | | | | | 2,2 | | | | |
| | | 50 | 240 | | | | | 2,1 | | | | |
| ARXM35N5V1B9 | ATXM35R2V1B | 50 | 220 | MAX. 50Hz 264V MIN. 50Hz 198V | 9,76 | 13 | 60,0 | 3,3 | 0,048 | 0,320 | 0,030 | 0,30 |
| | | 50 | 230 | | | | | 3,2 | | | | |
| | | 50 | 240 | | | | | 3,0 | | | | |
| RXM20N5V1B9 | FTXM20R5V1B | 50 | 220 | MAX. 50Hz 264V MIN. 50Hz 198V | 8,93 | 10 | 32,5 | 1,7 | 0,048 | 0,320 | 0,029 | 0,30 |
| | | 50 | 230 | | | | | 1,6 | | | | |
| | | 50 | 240 | | | | | 1,6 | | | | |
| RXM25N5V1B9 | FTXM25R5V1B | 50 | 220 | MAX. 50Hz 264V MIN. 50Hz 198V | 9,71 | 13 | 46,0 | 2,3 | 0,040 | 0,280 | 0,025 | 0,30 |
| | | 50 | 230 | | | | | 2,2 | | | | |
| | | 50 | 240 | | | | | 2,1 | | | | |
| RXM35N5V1B9 | FTXM35R5V1B | 50 | 220 | MAX. 50Hz 264V MIN. 50Hz 198V | 9,76 | 13 | 60,0 | 3,3 | 0,048 | 0,320 | 0,030 | 0,30 |
| | | 50 | 230 | | | | | 3,2 | | | | |
| | | 50 | 240 | | | | | 3,0 | | | | |
| ARXM25N5V1B9 | ATXM25R5V1B | 50 | 220 | MAX. 50Hz 264V MIN. 50Hz 198V | 9,71 | 13 | 46,0 | 2,3 | 0,040 | 0,280 | 0,025 | 0,30 |
| | | 50 | 230 | | | | | 2,2 | | | | |
| | | 50 | 240 | | | | | 2,1 | | | | |
| ARXM35N5V1B9 | ATXM35R5V1B | 50 | 220 | MAX. 50Hz 264V MIN. 50Hz 198V | 9,76 | 13 | 60,0 | 3,3 | 0,048 | 0,320 | 0,030 | 0,30 |
| | | 50 | 230 | | | | | 3,2 | | | | |
| | | 50 | 240 | | | | | 3,0 | | | | |
| RXM20R5V1B | FTXM20N2V1B | 50 | 220 | MAX. 50Hz 264V MIN. 50Hz 198V | 8,84 | 10 | 35,0 | 2,0 | 0,048 | 0,320 | 0,022 | 0,22 |
| | | 50 | 230 | | | | | 2,1 | | | | |
| | | 50 | 240 | | | | | 2,2 | | | | |
| RXM25R5V1B | FTXM25N2V1B | 50 | 220 | MAX. 50Hz 264V MIN. 50Hz 198V | 9,63 | 13 | 46,0 | 2,6 | 0,040 | 0,280 | 0,022 | 0,22 |
| | | 50 | 230 | | | | | 2,7 | | | | |
| | | 50 | 240 | | | | | 2,8 | | | | |
| RXM35R5V1B | FTXM35N2V1B | 50 | 220 | MAX. 50Hz 264V MIN. 50Hz 198V | 9,70 | 13 | 60,0 | 4,2 | 0,048 | 0,320 | 0,027 | 0,25 |
| | | 50 | 230 | | | | | 4,4 | | | | |
| | | 50 | 240 | | | | | 4,6 | | | | |
| ARXM25R5V1B | ATXM25N2V1B | 50 | 220 | MAX. 50Hz 264V MIN. 50Hz 198V | 9,63 | 13 | 46,0 | 2,6 | 0,040 | 0,280 | 0,022 | 0,22 |
| | | 50 | 230 | | | | | 2,7 | | | | |
| | | 50 | 240 | | | | | 2,8 | | | | |
| ARXM35R5V1B | ATXM35N2V1B | 50 | 220 | MAX. 50Hz 264V MIN. 50Hz 198V | 9,70 | 13 | 60,0 | 4,2 | 0,048 | 0,320 | 0,027 | 0,25 |
| | | 50 | 230 | | | | | 4,4 | | | | |
| | | 50 | 240 | | | | | 4,6 | | | | |

Symbols
MCA: Minimum Circuit Ampere [A]
MFA: Maximum Fuse Ampere [A]
RLA: Rated load amps [A]
OFM: Outdoor fan motor
IFM: Indoor fan motor
FLA: Full load amps [A]
kW: Fan motor rated output [kW]
RHz: Rated operating frequency [Hz]

Notes
1) The ·RLA· is based on the following conditions.
Outdoor temperature ·35·°C DB
Indoor temperature ·27·°C DB / ·19·°C WB
2) Select the wire size according to the MCA.
3) The maximum allowable voltage that is unbalanced between phases is ·2·%.
4) Use a circuit breaker instead of a fuse.

**4D130653**

**ARXM35R**

| Unit combination restrictions | | Power supply | | | | | COMP | | OFM | | IFM | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Indoor unit | Outdoor unit | ① | ② | ③ | MCA | MFA | RHz | RLA | kW | FLA | kW | FLA |
| ADEA35A2VEB | ARXM35N5V1B9 | 50 | 220 | MAX. 50Hz 264V MIN. 50Hz 198V | 12,29 | 13 | 56,0 | 3,8 | 0,048 | 0,32 | 0,089 | 1,40 |
| | | 50 | 230 | | | | | 3,5 | | | | |
| | | 50 | 240 | | | | | 3,2 | | | | |
| ADEA35A2VEB | ARXM35R5V1B | 50 | 220 | MAX. 50Hz 264V MIN. 50Hz 198V | 12,29 | 13 | 56,0 | 3,8 | 0,048 | 0,32 | 0,089 | 1,40 |
| | | 50 | 230 | | | | | 3,5 | | | | |
| | | 50 | 240 | | | | | 3,2 | | | | |

Symbols
①: Hz
②: Voltage
③: Voltage range
MCA: Minimum Circuit Amperes [A]
MFA: Maximum Fuse Amperes [A]
RLA: Rated Load Amperes [A]
OFM: Outdoor fan motor
IFM: Indoor fan motor
FLA: Full Load Ampere [A]
kW: Fan motor rated output [kW]
RHz: Rated operating frequency [Hz]

Notes
1) The ·RLA· is based on the following conditions.
Indoor temperature ·27·°C DB / ·19·°C WB
Outdoor temperature ·35·°C DB
2) Select the wire size according to the MCA.
3) The maximum allowable voltage that is unbalanced between phases is ·2·%.
4) Use a circuit breaker instead of a fuse.

**3D123283A**

# 3 Electrical data

## 3 - 1 Electrical Data

### ARXM50-71R

| Unit combination restrictions | | Power supply | | | | | COMP | | OFM | | IFM | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Outdoor unit | Indoor unit | Hz | Voltage | Voltage range | MCA | MFA | RHz | RLA | kW | FLA | kW | FLA |
| ARXM50R2V1B | ADEA50A2VEB | 50 | 220 | MAX. 50Hz 264V<br>MIN. 50Hz 198V | 15,42 | 16 | 55 | 5,2 | 0,056 | 0,37 | 0,089 | 1,40 |
| | | 50 | 230 | | | | | 5,0 | | | | |
| | | 50 | 240 | | | | | 4,8 | | | | |
| ARXM60R2V1B | ADEA60A2VEB | 50 | 220 | MAX. 50Hz 264V<br>MIN. 50Hz 198V | 15,86 | 16 | 66 | 6,2 | 0,056 | 0,37 | 0,070 | 1,30 |
| | | 50 | 230 | | | | | 6,0 | | | | |
| | | 50 | 240 | | | | | 5,7 | | | | |
| ARXM71R2V1B | ADEA71A2VEB | 50 | 220 | MAX. 50Hz 264V<br>MIN. 50Hz 198V | 15,83 | 16 | 81 | 8,2 | 0,056 | 0,37 | 0,070 | 1,30 |
| | | 50 | 230 | | | | | 7,8 | | | | |
| | | 50 | 240 | | | | | 7,5 | | | | |
| ARXM71R2V1B | FCAG71BVEB | 50 | 220 | MAX. 50Hz 264V<br>MIN. 50Hz 198V | 14,93 | 16 | 81 | 8,1 | 0,056 | 0,37 | 0,054 | 0,40 |
| | | 50 | 230 | | | | | 7,7 | | | | |
| | | 50 | 240 | | | | | 7,4 | | | | |
| ARXM71R2V1B | FBA71A2VEB9 | 50 | 220 | MAX. 50Hz 264V<br>MIN. 50Hz 198V | 15,83 | 16 | 81 | 8,2 | 0,056 | 0,37 | 0,070 | 1,30 |
| | | 50 | 230 | | | | | 7,8 | | | | |
| | | 50 | 240 | | | | | 7,5 | | | | |
| ARXM71R2V1B | FAA71AUVEB | 50 | 220 | MAX. 50Hz 264V<br>MIN. 50Hz 198V | 14,93 | 16 | 83 | 8,3 | 0,056 | 0,37 | 0,048 | 0,40 |
| | | 50 | 230 | | | | | 7,9 | | | | |
| | | 50 | 240 | | | | | 7,6 | | | | |
| RXM42R2V1B | FTXM42R2V1B | 50 | 220 | MAX. 50Hz 264V<br>MIN. 50Hz 198V | 10,36 | 13 | 48 | 4,3 | 0,056 | 0,37 | 0,034 | 0,30 |
| | | 50 | 230 | | | | | 4,1 | | | | |
| | | 50 | 240 | | | | | 4,0 | | | | |
| RXM42R2V1B | FTXM42R5V1B | 50 | 220 | MAX. 50Hz 264V<br>MIN. 50Hz 198V | 10,36 | 13 | 48 | 4,3 | 0,056 | 0,37 | 0,034 | 0,30 |
| | | 50 | 230 | | | | | 4,1 | | | | |
| | | 50 | 240 | | | | | 4,0 | | | | |
| RXM50R2V1B | FTXM50R2V1B | 50 | 220 | MAX. 50Hz 264V<br>MIN. 50Hz 198V | 14,54 | 16 | 54 | 4,7 | 0,056 | 0,37 | 0,046 | 0,60 |
| | | 50 | 230 | | | | | 4,5 | | | | |
| | | 50 | 240 | | | | | 4,3 | | | | |
| ARXM50R2V1B | ATXM50R2V1B | 50 | 220 | MAX. 50Hz 264V<br>MIN. 50Hz 198V | 14,54 | 16 | 54 | 4,7 | 0,056 | 0,37 | 0,046 | 0,60 |
| | | 50 | 230 | | | | | 4,5 | | | | |
| | | 50 | 240 | | | | | 4,3 | | | | |
| RXM50R2V1B | FCAG50BVEB | 50 | 220 | MAX. 50Hz 264V<br>MIN. 50Hz 198V | 14,21 | 16 | 58 | 5,2 | 0,056 | 0,37 | 0,048 | 0,30 |
| | | 50 | 230 | | | | | 5,0 | | | | |
| | | 50 | 240 | | | | | 4,8 | | | | |
| RXM50R2V1B | FBA50A2VEB9 | 50 | 220 | MAX. 50Hz 264V<br>MIN. 50Hz 198V | 15,42 | 16 | 55 | 5,2 | 0,056 | 0,37 | 0,089 | 1,40 |
| | | 50 | 230 | | | | | 5,0 | | | | |
| | | 50 | 240 | | | | | 4,8 | | | | |
| RXM50R2V1B | FHA50AVEB9 | 50 | 220 | MAX. 50Hz 264V<br>MIN. 50Hz 198V | 14,54 | 16 | 64 | 5,5 | 0,056 | 0,37 | 0,090 | 0,60 |
| | | 50 | 230 | | | | | 5,3 | | | | |
| | | 50 | 240 | | | | | 5,2 | | | | |
| RXM50R2V1B | FFA50A2VEB9 | 50 | 220 | MAX. 50Hz 264V<br>MIN. 50Hz 198V | 14,32 | 16 | 62 | 5,6 | 0,056 | 0,37 | 0,050 | 0,40 |
| | | 50 | 230 | | | | | 5,4 | | | | |
| | | 50 | 240 | | | | | 5,3 | | | | |
| RXM50R2V1B | FDXM50F3V1B9 | 50 | 220 | MAX. 50Hz 264V<br>MIN. 50Hz 198V | 14,87 | 16 | 55 | 4,9 | 0,056 | 0,37 | 0,060 | 0,90 |
| | | 50 | 230 | | | | | 4,7 | | | | |
| | | 50 | 240 | | | | | 4,5 | | | | |
| RXM50R2V1B | FNA50A2VEB9 | 50 | 220 | MAX. 50Hz 264V<br>MIN. 50Hz 198V | 14,43 | 16 | 55 | 4,9 | 0,056 | 0,37 | 0,060 | 0,50 |
| | | 50 | 230 | | | | | 4,7 | | | | |
| | | 50 | 240 | | | | | 4,5 | | | | |
| RXM50R2V1B | FVXM50FV1B9 | 50 | 220 | MAX. 50Hz 264V<br>MIN. 50Hz 198V | 14,32 | 16 | 60 | 5,4 | 0,056 | 0,37 | 0,048 | 0,10 |
| | | 50 | 230 | | | | | 5,2 | | | | |
| | | 50 | 240 | | | | | 5,0 | | | | |
| RXM60R2V1B | FTXM60R2V1B | 50 | 220 | MAX. 50Hz 264V<br>MIN. 50Hz 198V | 15,09 | 16 | 70 | 6,6 | 0,056 | 0,37 | 0,046 | 0,60 |
| | | 50 | 230 | | | | | 6,3 | | | | |
| | | 50 | 240 | | | | | 6,0 | | | | |
| RXM60R2V1B | FCAG60BVEB | 50 | 220 | MAX. 50Hz 264V<br>MIN. 50Hz 198V | 14,76 | 16 | 71 | 6,5 | 0,056 | 0,37 | 0,048 | 0,30 |
| | | 50 | 230 | | | | | 6,3 | | | | |
| | | 50 | 240 | | | | | 6,2 | | | | |
| RXM60R2V1B | FBA60A2VEB9 | 50 | 220 | MAX. 50Hz 264V<br>MIN. 50Hz 198V | 15,86 | 16 | 66 | 6,1 | 0,056 | 0,37 | 0,070 | 1,30 |
| | | 50 | 230 | | | | | 6,0 | | | | |
| | | 50 | 240 | | | | | 5,8 | | | | |
| RXM60R2V1B | FHA60AVEB9 | 50 | 220 | MAX. 50Hz 264V<br>MIN. 50Hz 198V | 15,09 | 16 | 62 | 5,5 | 0,056 | 0,37 | 0,091 | 0,60 |
| | | 50 | 230 | | | | | 5,3 | | | | |
| | | 50 | 240 | | | | | 5,1 | | | | |
| RXM60R2V1B | FFA60A2VEB9 | 50 | 220 | MAX. 50Hz 264V<br>MIN. 50Hz 198V | 15,09 | 16 | 70 | 6,5 | 0,056 | 0,37 | 0,050 | 0,60 |
| | | 50 | 230 | | | | | 6,3 | | | | |
| | | 50 | 240 | | | | | 6,2 | | | | |
| RXM60R2V1B | FDXM60F3V1B9 | 50 | 220 | MAX. 50Hz 264V<br>MIN. 50Hz 198V | 15,42 | 16 | 73 | 6,7 | 0,056 | 0,37 | 0,060 | 0,90 |
| | | 50 | 230 | | | | | 6,5 | | | | |
| | | 50 | 240 | | | | | 6,4 | | | | |
| RXM60R2V1B | FNA60A2VEB9 | 50 | 220 | MAX. 50Hz 264V<br>MIN. 50Hz 198V | 15,09 | 16 | 73 | 6,7 | 0,056 | 0,37 | 0,060 | 0,60 |
| | | 50 | 230 | | | | | 6,5 | | | | |
| | | 50 | 240 | | | | | 6,4 | | | | |
| RXM71R2V1B | FTXM71R2V1B | 50 | 220 | MAX. 50Hz 264V<br>MIN. 50Hz 198V | 19,78 | 20 | 54 | 9,4 | 0,128 | 0,38 | 0,052 | 0,60 |
| | | 50 | 230 | | | | | 8,9 | | | | |
| | | 50 | 240 | | | | | 8,6 | | | | |

Notes
1) The ·RLA· is based on the following conditions.
   Outdoor temperature ·35·°C DB
   Indoor temperature ·27·°C DB / ·19·°C WB
2) Select the wire size according to the MCA.
3) The maximum allowable voltage that is unbalanced between phases is ·2·%.
4) Use a circuit breaker instead of a fuse.

Symbols
MCA: Minimum Circuit Ampere [A]
MFA: Maximum Fuse Ampere [A]
RLA: Rated load amps [A]
OFM: Outdoor fan motor
IFM: Indoor fan motor
FLA: Full load amps [A]
kW: Fan motor rated output [kW]
RHz: Rated operating frequency [Hz]

**4D131055**

# 3 Electrical data

## 3 - 1 Electrical Data



### ARXM50-71R
### RXM42-71R

| Unit combination restrictions | | Power supply | | | | | COMP | | OFM | | IFM | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Outdoor unit | Indoor unit | Hz | Voltage | Voltage range | MCA | MFA | RHz | RLA | kW | FLA | kW | FLA |
| ARXM50R5V1B | ADEA50A2VEB | 50 | 220 | MAX. 50Hz 264V<br>MIN. 50Hz 198V | 15.42 | 16 | 55 | 5.2 | 0.056 | 0.37 | 0.089 | 1.40 |
| | | 50 | 230 | | | | | 5.0 | | | | |
| | | 50 | 240 | | | | | 4.8 | | | | |
| ARXM60R5V1B | ADEA60A2VEB | 50 | 220 | MAX. 50Hz 264V<br>MIN. 50Hz 198V | 15.86 | 16 | 66 | 6.2 | 0.056 | 0.37 | 0.070 | 1.30 |
| | | 50 | 230 | | | | | 6.0 | | | | |
| | | 50 | 240 | | | | | 5.7 | | | | |
| ARXM71R5V1B | ADEA71A2VEB | 50 | 220 | MAX. 50Hz 264V<br>MIN. 50Hz 198V | 15.83 | 16 | 81 | 8.2 | 0.056 | 0.37 | 0.070 | 1.30 |
| | | 50 | 230 | | | | | 7.8 | | | | |
| | | 50 | 240 | | | | | 7.5 | | | | |
| ARXM71R5V1B | FCAG71BVEB | 50 | 220 | MAX. 50Hz 264V<br>MIN. 50Hz 198V | 14.93 | 16 | 81 | 8.1 | 0.056 | 0.37 | 0.054 | 0.40 |
| | | 50 | 230 | | | | | 7.7 | | | | |
| | | 50 | 240 | | | | | 7.4 | | | | |
| ARXM71R5V1B | FBA71A2VEB9 | 50 | 220 | MAX. 50Hz 264V<br>MIN. 50Hz 198V | 15.83 | 16 | 81 | 8.2 | 0.056 | 0.37 | 0.070 | 1.30 |
| | | 50 | 230 | | | | | 7.8 | | | | |
| | | 50 | 240 | | | | | 7.5 | | | | |
| ARXM71R5V1B | FAA71AUVEB | 50 | 220 | MAX. 50Hz 264V<br>MIN. 50Hz 198V | 14.93 | 16 | 83 | 8.3 | 0.056 | 0.37 | 0.048 | 0.40 |
| | | 50 | 230 | | | | | 7.9 | | | | |
| | | 50 | 240 | | | | | 7.6 | | | | |
| RXM42R5V1B | FTXM42R2V1B | 50 | 220 | MAX. 50Hz 264V<br>MIN. 50Hz 198V | 10.36 | 13 | 48 | 4.3 | 0.056 | 0.37 | 0.034 | 0.30 |
| | | 50 | 230 | | | | | 4.1 | | | | |
| | | 50 | 240 | | | | | 4.0 | | | | |
| RXM42R5V1B | FTXM42R5V1B | 50 | 220 | MAX. 50Hz 264V<br>MIN. 50Hz 198V | 10.36 | 13 | 48 | 4.3 | 0.056 | 0.37 | 0.034 | 0.30 |
| | | 50 | 230 | | | | | 4.1 | | | | |
| | | 50 | 240 | | | | | 4.0 | | | | |
| RXM50R5V1B | FTXM50R2V1B | 50 | 220 | MAX. 50Hz 264V<br>MIN. 50Hz 198V | 14.54 | 16 | 54 | 4.7 | 0.056 | 0.37 | 0.046 | 0.60 |
| | | 50 | 230 | | | | | 4.5 | | | | |
| | | 50 | 240 | | | | | 4.3 | | | | |
| ARXM50R5V1B | ATXM50R2V1B | 50 | 220 | MAX. 50Hz 264V<br>MIN. 50Hz 198V | 14.54 | 16 | 54 | 4.7 | 0.056 | 0.37 | 0.046 | 0.60 |
| | | 50 | 230 | | | | | 4.5 | | | | |
| | | 50 | 240 | | | | | 4.3 | | | | |
| RXM50R5V1B | FCAG50BVEB | 50 | 220 | MAX. 50Hz 264V<br>MIN. 50Hz 198V | 14.21 | 16 | 58 | 5.2 | 0.056 | 0.37 | 0.048 | 0.30 |
| | | 50 | 230 | | | | | 5.0 | | | | |
| | | 50 | 240 | | | | | 4.8 | | | | |
| RXM50R5V1B | FBA50A2VEB9 | 50 | 220 | MAX. 50Hz 264V<br>MIN. 50Hz 198V | 15.42 | 16 | 55 | 5.2 | 0.056 | 0.37 | 0.089 | 1.40 |
| | | 50 | 230 | | | | | 5.0 | | | | |
| | | 50 | 240 | | | | | 4.8 | | | | |
| RXM50R5V1B | FHA50AVEB9 | 50 | 220 | MAX. 50Hz 264V<br>MIN. 50Hz 198V | 14.54 | 16 | 64 | 5.5 | 0.056 | 0.37 | 0.090 | 0.60 |
| | | 50 | 230 | | | | | 5.3 | | | | |
| | | 50 | 240 | | | | | 5.2 | | | | |
| RXM50R5V1B | FFA50A2VEB9 | 50 | 220 | MAX. 50Hz 264V<br>MIN. 50Hz 198V | 14.32 | 16 | 62 | 5.6 | 0.056 | 0.37 | 0.050 | 0.40 |
| | | 50 | 230 | | | | | 5.4 | | | | |
| | | 50 | 240 | | | | | 5.3 | | | | |
| RXM50R5V1B | FDXM50F3V1B9 | 50 | 220 | MAX. 50Hz 264V<br>MIN. 50Hz 198V | 14.87 | 16 | 55 | 4.9 | 0.056 | 0.37 | 0.060 | 0.90 |
| | | 50 | 230 | | | | | 4.7 | | | | |
| | | 50 | 240 | | | | | 4.5 | | | | |
| RXM50R5V1B | FNA50A2VEB9 | 50 | 220 | MAX. 50Hz 264V<br>MIN. 50Hz 198V | 14.43 | 16 | 55 | 4.9 | 0.056 | 0.37 | 0.060 | 0.50 |
| | | 50 | 230 | | | | | 4.7 | | | | |
| | | 50 | 240 | | | | | 4.5 | | | | |
| RXM50R5V1B | FVXM50FV1B9 | 50 | 220 | MAX. 50Hz 264V<br>MIN. 50Hz 198V | 14.32 | 16 | 60 | 5.4 | 0.056 | 0.37 | 0.048 | 0.10 |
| | | 50 | 230 | | | | | 5.2 | | | | |
| | | 50 | 240 | | | | | 5.0 | | | | |
| RXM60R5V1B | FTXM60R2V1B | 50 | 220 | MAX. 50Hz 264V<br>MIN. 50Hz 198V | 15.09 | 16 | 70 | 6.6 | 0.056 | 0.37 | 0.046 | 0.60 |
| | | 50 | 230 | | | | | 6.3 | | | | |
| | | 50 | 240 | | | | | 6.0 | | | | |
| RXM60R5V1B | FCAG60BVEB | 50 | 220 | MAX. 50Hz 264V<br>MIN. 50Hz 198V | 14.76 | 16 | 71 | 6.5 | 0.056 | 0.37 | 0.048 | 0.30 |
| | | 50 | 230 | | | | | 6.3 | | | | |
| | | 50 | 240 | | | | | 6.2 | | | | |
| RXM60R5V1B | FBA60A2VEB9 | 50 | 220 | MAX. 50Hz 264V<br>MIN. 50Hz 198V | 15.86 | 16 | 66 | 6.1 | 0.056 | 0.37 | 0.070 | 1.30 |
| | | 50 | 230 | | | | | 6.0 | | | | |
| | | 50 | 240 | | | | | 5.8 | | | | |
| RXM60R5V1B | FHA60AVEB9 | 50 | 220 | MAX. 50Hz 264V<br>MIN. 50Hz 198V | 15.09 | 16 | 62 | 5.5 | 0.056 | 0.37 | 0.091 | 0.60 |
| | | 50 | 230 | | | | | 5.3 | | | | |
| | | 50 | 240 | | | | | 5.1 | | | | |
| RXM60R5V1B | FFA60A2VEB9 | 50 | 220 | MAX. 50Hz 264V<br>MIN. 50Hz 198V | 15.09 | 16 | 70 | 6.5 | 0.056 | 0.37 | 0.050 | 0.60 |
| | | 50 | 230 | | | | | 6.3 | | | | |
| | | 50 | 240 | | | | | 6.2 | | | | |
| RXM60R5V1B | FDXM60F3V1B9 | 50 | 220 | MAX. 50Hz 264V<br>MIN. 50Hz 198V | 15.42 | 16 | 73 | 6.7 | 0.056 | 0.37 | 0.060 | 0.90 |
| | | 50 | 230 | | | | | 6.5 | | | | |
| | | 50 | 240 | | | | | 6.4 | | | | |
| RXM60R5V1B | FNA60A2VEB9 | 50 | 220 | MAX. 50Hz 264V<br>MIN. 50Hz 198V | 15.09 | 16 | 73 | 6.7 | 0.056 | 0.37 | 0.060 | 0.60 |
| | | 50 | 230 | | | | | 6.5 | | | | |
| | | 50 | 240 | | | | | 6.4 | | | | |
| RXM71R5V1B | FTXM71R2V1B | 50 | 220 | MAX. 50Hz 264V<br>MIN. 50Hz 198V | 19.78 | 20 | 54 | 9.4 | 0.128 | 0.38 | 0.052 | 0.60 |
| | | 50 | 230 | | | | | 8.9 | | | | |
| | | 50 | 240 | | | | | 8.6 | | | | |

NOTES:

1. The ·RLA· is based on the following conditions.
   Outdoor temperature ·35·° C DB
   Indoor temperature ·27·° C DB / ·19·° C WB
2. Select the wire size according to the MCA.
3. The maximum allowable voltage that is unbalanced between phases is ·2·%.
4. Use a circuit breaker instead of a fuse.

SYMBOLS

MCA: Minimum Circuit Ampere [A]
MCA: Minimum Circuit Ampere [A]
MFA: Maximum Fuse Ampere [A]
RLA: Rated load amps [A]
OFM: Outdoor fan motor
IFM: Indoor fan motor
FLA: Full Load Ampere [A]
kW: Fan motor rated output [kW]
RHz: Rated operating frequency [Hz]

**3D133951**

# 4 Capacity tables

## 4 - 1 Cooling/Heating Capacity Tables

**ATXM25N / ARXM25R**

**Cooling ·220-240V 50Hz·**

| AFR | 11,1 |
|---|---|
| BF | 0,21 |

| ① | ② | ③ | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 20 | | | 25 | | | 30 | | | 32 | | | 35 | | | 40 | | |
| | | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI |
| 14 | 20 | 2,56 | 1,95 | 0,40 | 2,44 | 1,90 | 0,45 | 2,32 | 1,85 | 0,51 | 2,28 | 1,83 | 0,53 | 2,21 | 1,79 | 0,56 | 2,09 | 1,74 | 0,60 |
| 16 | 22 | 2,68 | 1,92 | 0,43 | 2,56 | 1,87 | 0,47 | 2,44 | 1,82 | 0,51 | 2,40 | 1,80 | 0,53 | 2,33 | 1,76 | 0,57 | 2,21 | 1,71 | 0,60 |
| 18 | 25 | 2,79 | 2,02 | 0,43 | 2,68 | 1,97 | 0,47 | 2,56 | 1,92 | 0,52 | 2,51 | 1,90 | 0,53 | 2,44 | 1,88 | 0,57 | 2,33 | 1,83 | 0,60 |
| 19 | 27 | 2,85 | 2,14 | 0,43 | 2,73 | 2,09 | 0,48 | 2,62 | 2,05 | 0,52 | 2,57 | 2,03 | 0,53 | 2,50 | 2,00 | 0,57 | 2,38 | 1,95 | 0,60 |
| 22 | 30 | 3,02 | 2,07 | 0,44 | 2,91 | 2,03 | 0,48 | 2,79 | 1,98 | 0,52 | 2,74 | 1,97 | 0,54 | 2,67 | 1,94 | 0,57 | 2,56 | 1,90 | 0,61 |
| 24 | 32 | 3,14 | 2,02 | 0,44 | 3,02 | 1,98 | 0,48 | 2,90 | 1,94 | 0,52 | 2,86 | 1,92 | 0,54 | 2,79 | 1,90 | 0,58 | 2,67 | 1,87 | 0,61 |

Symbols

TC: Total capacity [kW]
PI: Power input [kW]
SHC: Sensible heat capacity [kW]
AFR: Air flow rate [m³/min]
BF: Bypass factor

**Heating ·220-240V 50Hz·**

| AFR | 10,8 |
|---|---|

| ② | ④ | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | -15 | | -10 | | -5 | | 0 | | 6 | | 10 | |
| | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI |
| 15 | 1,33 | 0,36 | 1,60 | 0,38 | 1,87 | 0,40 | 2,52 | 0,52 | 2,90 | 0,55 | 3,15 | 0,57 |
| 20 | 1,25 | 0,37 | 1,52 | 0,39 | 1,79 | 0,41 | 2,42 | 0,53 | 2,80 | 0,56 | 3,05 | 0,58 |
| 22 | 1,22 | 0,37 | 1,49 | 0,40 | 1,76 | 0,42 | 2,38 | 0,53 | 2,76 | 0,57 | 3,01 | 0,59 |
| 24 | 1,19 | 0,38 | 1,45 | 0,40 | 1,72 | 0,42 | 2,34 | 0,54 | 2,72 | 0,57 | 2,98 | 0,59 |
| 25 | 1,17 | 0,38 | 1,44 | 0,40 | 1,71 | 0,42 | 2,32 | 0,54 | 2,70 | 0,57 | 2,96 | 0,59 |
| 27 | 1,14 | 0,39 | 1,41 | 0,41 | 1,67 | 0,42 | 2,29 | 0,55 | 2,66 | 0,58 | 2,92 | 0,60 |

① Indoor air temperature [°C WB]
② Indoor air temperature [°C DB]
③ Outdoor air temperature [°C DB]
④ Outdoor air temperature [°C WB]

Notes

1 The capacities are based on the following conditions:
Corresponding refrigerant piping length: ·5.0· m
Level difference: ·0·m

2 The bold cells indicate the standard conditions.
Rated operating frequency [Hz]

**3D120718A**

**ATXM25R / ARXM25R**

**Cooling** 50Hz 220 -240V

| AFR | 10,49 |
|---|---|
| BF | 0,25 |

| INDOOR | | Outdoor temperature [° C DB] | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EWB | EDB | 20 | | | 25 | | | 30 | | | 32 | | | 35 | | | 40 | | |
| °C | °C | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI |
| 14 | 20 | 2,56 | 1,90 | 0,44 | 2,44 | 1,86 | 0,48 | 2,33 | 1,82 | 0,52 | 2,28 | 1,81 | 0,54 | 2,21 | 1,79 | 0,56 | 2,10 | 1,77 | 0,61 |
| 16 | 22 | 2,68 | 1,81 | 0,44 | 2,56 | 1,77 | 0,48 | 2,44 | 1,73 | 0,52 | 2,40 | 1,72 | 0,54 | 2,33 | 1,70 | 0,57 | 2,21 | 1,67 | 0,61 |
| 18 | 25 | 2,79 | 1,90 | 0,44 | 2,68 | 1,87 | 0,48 | 2,56 | 1,84 | 0,53 | 2,51 | 1,83 | 0,54 | 2,44 | 1,82 | 0,57 | 2,33 | 1,81 | 0,61 |
| 19 | 27 | 2,85 | 2,05 | 0,44 | 2,73 | 2,03 | 0,49 | 2,62 | 2,02 | 0,53 | 2,57 | 2,02 | 0,54 | 2,50 | 2,02 | 0,57 | 2,38 | 2,03 | 0,61 |
| 22 | 30 | 3,02 | 1,86 | 0,45 | 2,91 | 1,83 | 0,49 | 2,79 | 1,81 | 0,53 | 2,74 | 1,80 | 0,55 | 2,67 | 1,80 | 0,57 | 2,56 | 1,79 | 0,62 |
| 24 | 32 | 3,14 | 1,74 | 0,45 | 3,02 | 1,71 | 0,49 | 2,90 | 1,69 | 0,53 | 2,86 | 1,68 | 0,55 | 2,79 | 1,67 | 0,58 | 2,67 | 1,66 | 0,62 |

**Heating** 50Hz 220 -240V

| AFR | 9,78 |
|---|---|

| INDOOR | Outdoor temperature [° C WB] | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EDB | -15 | | -10 | | -5 | | 0 | | 7 | | 10 | |
| °C | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI |
| 15 | 1,33 | 0,36 | 1,60 | 0,38 | 1,87 | 0,40 | 2,09 | 0,52 | 2,90 | 0,55 | 3,15 | 0,57 |
| 20 | 1,25 | 0,37 | 1,52 | 0,39 | 1,79 | 0,41 | 1,98 | 0,53 | 2,80 | 0,56 | 3,05 | 0,58 |
| 22 | 1,22 | 0,37 | 1,49 | 0,40 | 1,76 | 0,42 | 1,95 | 0,53 | 2,76 | 0,57 | 3,01 | 0,59 |
| 24 | 1,19 | 0,38 | 1,45 | 0,40 | 1,72 | 0,42 | 1,92 | 0,54 | 2,72 | 0,57 | 2,98 | 0,59 |
| 25 | 1,17 | 0,38 | 1,44 | 0,40 | 1,71 | 0,42 | 1,90 | 0,54 | 2,70 | 0,57 | 2,96 | 0,59 |
| 27 | 1,14 | 0,39 | 1,41 | 0,41 | 1,67 | 0,42 | 1,88 | 0,55 | 2,66 | 0,58 | 2,92 | 0,60 |

Symbols
AFR: Air flow rate [m³/min]
BF: Bypass factor
EWB: Entering wet-bulb temperature [° C WB]
EDB: Entering dry-bulb temperature [° C DB]

TC: Total capacity [kW]
SHC: Sensible heat capacity [kW]
PI: Power input [kW]

Notes
1. The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. ☐ Nominal capacity and nominal input
3. The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
4. In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
5. The capacities are based on the following conditions:
Corresponding refrigerant piping length: ·5· m
Level difference: ·0·m
6. The air flow rate and bypass factor are mentioned in the table.

**4D130570**

# 4 Capacity tables

## 4 - 1 Cooling/Heating Capacity Tables



**ATXM35N /ARXM35R**

Cooling ·220-240V 50Hz·

| AFR | 12,3 |
|---|---|
| BF | 0,21 |

| ① | ② | ③ | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 20 | | | 25 | | | 30 | | | 32 | | | 35 | | | 40 | | |
| | | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI |
| 14 | 20 | 3,48 | 2,66 | 0,59 | 3,32 | 2,60 | 0,67 | 3,16 | 2,52 | 0,73 | 3,11 | 2,49 | 0,75 | 3,01 | 2,45 | 0,84 | 2,85 | 2,38 | 0,85 |
| 16 | 22 | 3,64 | 2,63 | 0,62 | 3,48 | 2,57 | 0,68 | 3,32 | 2,49 | 0,73 | 3,27 | 2,46 | 0,76 | 3,17 | 2,42 | 0,84 | 3,01 | 2,35 | 0,86 |
| 18 | 25 | 3,80 | 2,77 | 0,62 | 3,64 | 2,70 | 0,68 | 3,48 | 2,64 | 0,74 | 3,42 | 2,61 | 0,76 | 3,32 | 2,58 | 0,83 | 3,17 | 2,51 | 0,86 |
| 19 | 27 | 3,88 | 2,93 | 0,62 | 3,72 | 2,88 | 0,69 | 3,56 | 2,81 | 0,74 | 3,50 | 2,78 | 0,76 | 3,40 | 2,74 | 0,83 | 3,25 | 2,68 | 0,86 |
| 22 | 30 | 4,11 | 2,84 | 0,63 | 3,96 | 2,78 | 0,69 | 3,79 | 2,72 | 0,74 | 3,73 | 2,70 | 0,77 | 3,63 | 2,67 | 0,84 | 3,48 | 2,61 | 0,87 |
| 24 | 32 | 4,27 | 2,77 | 0,63 | 4,11 | 2,71 | 0,70 | 3,96 | 2,66 | 0,75 | 3,89 | 2,64 | 0,77 | 3,79 | 2,61 | 0,84 | 3,63 | 2,57 | 0,87 |

Symbols
TC: Total capacity [kW]
PI: Power input [kW]
SHC: Sensible heat capacity [kW]
AFR: Air flow rate [m³/min]
BF: Bypass factor

Heating ·220-240V 50Hz·

| AFR | 10,8 |
|---|---|

| ② | ④ | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | -15 | | -10 | | -5 | | 0 | | 6 | | 10 | |
| | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI |
| 15 | 1,90 | 0,64 | 2,29 | 0,67 | 2,67 | 0,71 | 3,60 | 0,92 | 4,14 | 0,97 | 4,50 | 1,00 |
| 20 | 1,79 | 0,66 | 2,17 | 0,68 | 2,56 | 0,72 | 3,46 | 0,94 | 4,00 | 0,99 | 4,36 | 1,03 |
| 22 | 1,74 | 0,66 | 2,12 | 0,70 | 2,51 | 0,73 | 3,40 | 0,96 | 3,94 | 1,00 | 4,31 | 1,04 |
| 24 | 1,69 | 0,67 | 2,08 | 0,71 | 2,46 | 0,73 | 3,35 | 0,96 | 3,89 | 1,01 | 4,25 | 1,04 |
| 25 | 1,67 | 0,67 | 2,05 | 0,71 | 2,44 | 0,74 | 3,32 | 0,97 | 3,86 | 1,01 | 4,22 | 1,05 |
| 27 | 1,62 | 0,68 | 2,01 | 0,71 | 2,39 | 0,74 | 3,26 | 0,97 | 3,81 | 1,03 | 4,17 | 1,05 |

① Indoor air temperature [°C WB]
② Indoor air temperature [°C DB]
③ Outdoor air temperature [°C DB]
④ Outdoor air temperaturec [°C WB]

Notes

1. The capacities are based on the following conditions:
   Corresponding refrigerant piping length: ·5.0· m
   Level difference: ·0·m

2. The bold cells indicate the standard conditions.
   Rated operating frequency [Hz]

**3D120717A**

**ADEA35A / ARXM35R**

**Cooling** ·50· Hz ·220-240· V

| AFR | 15 |
|---|---|
| BF | 0,05 |

| Indoor | | Outdoor temperature [°C DB] | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EWB | EDB | 20 | | | 25 | | | 30 | | | 32 | | | 35 | | | 40 | | |
| °C | °C | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI |
| 14 | 20 | 3,48 | 2,73 | 0,69 | 3,33 | 2,69 | 0,76 | 3,17 | 2,66 | 0,83 | 3,10 | 2,65 | 0,85 | 3,01 | 2,64 | 0,89 | 2,85 | 2,65 | 0,96 |
| 16 | 22 | 3,64 | 2,59 | 0,70 | 3,48 | 2,54 | 0,76 | 3,32 | 2,50 | 0,83 | 3,26 | 2,49 | 0,86 | 3,17 | 2,47 | 0,90 | 3,01 | 2,46 | 0,97 |
| 18 | 25 | 3,80 | 2,75 | 0,70 | 3,64 | 2,72 | 0,77 | 3,48 | 2,70 | 0,84 | 3,42 | 2,70 | 0,86 | 3,32 | 2,70 | 0,90 | 3,16 | 2,72 | 0,97 |
| 19 | 27 | 3,87 | 3,02 | 0,70 | 3,72 | 3,02 | 0,77 | 3,56 | 3,05 | 0,84 | 3,49 | 3,06 | 0,86 | 3,40 | 3,10 | 0,90 | 3,24 | 3,24 | 0,97 |
| 22 | 30 | 4,11 | 2,70 | 0,71 | 3,95 | 2,69 | 0,78 | 3,79 | 2,68 | 0,84 | 3,73 | 2,68 | 0,87 | 3,63 | 2,69 | 0,91 | 3,48 | 2,73 | 0,98 |
| 24 | 32 | 4,27 | 2,51 | 0,71 | 4,11 | 2,49 | 0,78 | 3,95 | 2,48 | 0,85 | 3,89 | 2,47 | 0,87 | 3,79 | 2,47 | 0,91 | 3,63 | 2,48 | 0,98 |

**Heating** ·50· Hz ·220-240· V

| AFR | 15 |
|---|---|

| Indoor | Outdoor temperature [°C WB] | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EDB | -15 | | -10 | | -5 | | 0 | | 7 | | 10 | |
| °C | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI |
| 15 | 1,77 | 0,81 | 2,09 | 0,85 | 2,44 | 0,87 | 2,87 | 0,90 | 4,14 | 0,98 | 4,50 | 1,01 |
| 20 | 1,66 | 0,84 | 1,96 | 0,88 | 2,26 | 0,92 | 2,70 | 0,96 | 4,00 | 1,01 | 4,32 | 1,03 |
| 22 | 1,58 | 0,86 | 1,88 | 0,90 | 2,19 | 0,94 | 2,63 | 0,98 | 3,92 | 1,02 | 4,23 | 1,05 |
| 24 | 1,49 | 0,88 | 1,81 | 0,92 | 2,12 | 0,96 | 2,56 | 1,00 | 3,83 | 1,03 | 4,15 | 1,07 |
| 25 | 1,45 | 0,89 | 1,77 | 0,93 | 2,09 | 0,97 | 2,52 | 1,01 | 3,79 | 1,04 | 4,11 | 1,08 |
| 27 | 1,37 | 0,92 | 1,69 | 0,95 | 2,02 | 0,99 | 2,46 | 1,03 | 3,71 | 1,05 | 4,02 | 1,10 |

Symbols
AFR: Air flow rate [m³/min]
BF: Bypass factor
EWB: Entering wet-bulb temperature (°C WB)
EDB: Entering dry-bulb temperature (°C DB)
TC: Total capacity [kW]
SHC: Sensible heat capacity [kW]
PI: Power input [kW]

Notes
1) The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2) On the figure the · □ · mark shows the rated capacity and rated coefficient of the power input.
3) The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
4) In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
5) The capacities are based on the following conditions:
   Corresponding refrigerant piping length: ·5· m
   Level difference: ·0·m
6) The air flow rate and bypass factor are mentioned in the table.

**3D123269A**

# 4 Capacity tables

## 4 - 1 Cooling/Heating Capacity Tables

### ATXM35R / ARXM35R

**Cooling** 50Hz 220 ~240V

| AFR | 11,33 |
|---|---|
| BF | 0,20 |

| INDOOR | | Outdoor temperature [° C DB] | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EWB | EDB | 20 | | | 25 | | | 30 | | | 32 | | | 35 | | | 40 | | |
| °C | °C | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI |
| 14 | 20 | 3,48 | 2,54 | 0,64 | 3,33 | 2,48 | 0,70 | 3,17 | 2,42 | 0,76 | 3,10 | 2,40 | 0,79 | 3,01 | 2,38 | 0,82 | 2,85 | 2,34 | 0,88 |
| 16 | 22 | 3,64 | 2,43 | 0,64 | 3,48 | 2,37 | 0,70 | 3,32 | 2,31 | 0,76 | 3,26 | 2,29 | 0,79 | 3,17 | 2,26 | 0,83 | 3,01 | 2,21 | 0,89 |
| 18 | 25 | 3,80 | 2,54 | 0,65 | 3,64 | 2,48 | 0,71 | 3,48 | 2,44 | 0,77 | 3,42 | 2,42 | 0,79 | 3,32 | 2,40 | 0,83 | 3,16 | 2,38 | 0,89 |
| 19 | 27 | 3,87 | 2,71 | 0,65 | 3,72 | 2,68 | 0,71 | 3,56 | 2,65 | 0,77 | 3,49 | 2,65 | 0,79 | 3,40 | 2,64 | 0,83 | 3,24 | 2,65 | 0,89 |
| 22 | 30 | 4,11 | 2,48 | 0,65 | 3,95 | 2,43 | 0,71 | 3,79 | 2,40 | 0,78 | 3,73 | 2,39 | 0,80 | 3,63 | 2,37 | 0,84 | 3,48 | 2,35 | 0,90 |
| 24 | 32 | 4,27 | 2,33 | 0,66 | 4,11 | 2,28 | 0,72 | 3,95 | 2,24 | 0,78 | 3,89 | 2,23 | 0,80 | 3,79 | 2,21 | 0,84 | 3,63 | 2,19 | 0,90 |

**Heating** 50Hz 220 ~240V

| AFR | 9,78 |
|---|---|

| INDOOR | Outdoor temperature [° C WB] | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EDB | -15 | | -10 | | -5 | | 0 | | 7 | | 10 | |
| °C | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI |
| 15 | 2,31 | 0,75 | 2,74 | 0,79 | 3,13 | 0,84 | 3,35 | 0,88 | 4,21 | 0,94 | 4,47 | 0,96 |
| 20 | 2,10 | 0,80 | 2,53 | 0,85 | 2,96 | 0,89 | 3,16 | 0,93 | 4,00 | 0,99 | 4,26 | 1,02 |
| 22 | 2,02 | 0,82 | 2,45 | 0,87 | 2,88 | 0,91 | 3,08 | 0,95 | 3,92 | 1,01 | 4,18 | 1,04 |
| 24 | 1,93 | 0,84 | 2,36 | 0,89 | 2,80 | 0,93 | 3,01 | 0,97 | 3,83 | 1,02 | 4,09 | 1,06 |
| 25 | 1,89 | 0,86 | 2,32 | 0,90 | 2,75 | 0,94 | 2,97 | 0,98 | 3,79 | 1,02 | 4,05 | 1,07 |
| 27 | 1,81 | 0,88 | 2,24 | 0,92 | 2,67 | 0,96 | 2,90 | 1,00 | 3,71 | 1,03 | 3,97 | 1,09 |

Symbols
AFR: Air flow rate [m³/min]
BF: Bypass factor
EWB: Entering wet-bulb temperature [° C WB]
EDB: Entering dry-bulb temperature [° C DB]

TC: Total capacity [kW]
SHC: Sensible heat capacity [kW]
PI: Power input [kW]

Notes
1. The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. ☐ Nominal capacity and nominal input
3. The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
4. In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
5. The capacities are based on the following conditions:
   Corresponding refrigerant piping length: ·5· m
   Level difference: ·0·m
6. The air flow rate and bypass factor are mentioned in the table.

**4D130633**

### ADEA50A / ARXM50R

**Cooling** ·50· Hz ·220-240· V

| AFR | 15 |
|---|---|
| BF | 0,10 |

| Indoor | | Outdoor temperature [°C DB] | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EWB | EDB | 20 | | | 25 | | | 30 | | | 32 | | | 35 | | | 40 | | |
| °C | °C | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI |
| 14 | 20 | 5,12 | 3,59 | 1,17 | 4,89 | 3,48 | 1,29 | 4,66 | 3,37 | 1,40 | 4,56 | 3,34 | 1,44 | 4,42 | 3,28 | 1,51 | 4,19 | 3,20 | 1,63 |
| 16 | 22 | 5,35 | 3,45 | 1,18 | 5,12 | 3,34 | 1,29 | 4,89 | 3,24 | 1,41 | 4,79 | 3,20 | 1,45 | 4,65 | 3,14 | 1,52 | 4,42 | 3,06 | 1,63 |
| 18 | 25 | 5,58 | 3,56 | 1,19 | 5,35 | 3,47 | 1,30 | 5,12 | 3,38 | 1,41 | 5,02 | 3,35 | 1,46 | 4,88 | 3,30 | 1,53 | 4,65 | 3,23 | 1,64 |
| 19 | 27 | 5,70 | 3,75 | 1,19 | 5,47 | 3,67 | 1,30 | 5,23 | 3,60 | 1,42 | 5,14 | 3,58 | 1,46 | 5,00 | 3,55 | 1,53 | 4,77 | 3,50 | 1,64 |
| 22 | 30 | 6,04 | 3,47 | 1,20 | 5,81 | 3,38 | 1,31 | 5,58 | 3,31 | 1,43 | 5,49 | 3,28 | 1,47 | 5,35 | 3,24 | 1,54 | 5,11 | 3,18 | 1,65 |
| 24 | 32 | 6,27 | 3,29 | 1,21 | 6,04 | 3,20 | 1,32 | 5,81 | 3,13 | 1,43 | 5,72 | 3,10 | 1,48 | 5,58 | 3,05 | 1,55 | 5,34 | 2,99 | 1,66 |

**Heating** ·50· Hz ·220-240· V

| AFR | 15 |
|---|---|

| Indoor | Outdoor temperature [°C WB] | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EDB | -15 | | -10 | | -5 | | 0 | | 7 | | 10 | |
| °C | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI |
| 15 | 2,56 | 1,17 | 3,07 | 1,22 | 3,59 | 1,28 | 3,95 | 1,33 | 5,69 | 1,42 | 6,11 | 1,46 |
| 20 | 2,40 | 1,20 | 2,92 | 1,26 | 3,43 | 1,32 | 3,78 | 1,38 | 5,50 | 1,47 | 5,90 | 1,51 |
| 22 | 2,34 | 1,21 | 2,85 | 1,27 | 3,37 | 1,34 | 3,71 | 1,40 | 5,42 | 1,50 | 5,82 | 1,53 |
| 24 | 2,27 | 1,23 | 2,79 | 1,29 | 3,30 | 1,36 | 3,64 | 1,42 | 5,33 | 1,51 | 5,74 | 1,55 |
| 25 | 2,24 | 1,24 | 2,76 | 1,30 | 3,27 | 1,37 | 3,61 | 1,43 | 5,29 | 1,52 | 5,69 | 1,56 |
| 27 | 2,18 | 1,26 | 2,69 | 1,32 | 3,21 | 1,39 | 3,54 | 1,45 | 5,21 | 1,53 | 5,61 | 1,58 |

Symbols
AFR: Air flow rate [m³/min]
BF: Bypass factor
EWB: Entering wet-bulb temperature (°C WB)
EDB: Entering dry-bulb temperature (°C DB)

TC: Total capacity [kW]
SHC: Sensible heat capacity [kW]
PI: Power input [kW]

Notes
1) The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2) On the figure the · ☐ · mark shows the rated capacity and rated coefficient of the power input.
3) The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
4) In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
5) The capacities are based on the following conditions:
   Corresponding refrigerant piping length: ·5· m
   Level difference: ·0·m
6) The air flow rate and bypass factor are mentioned in the table.

**3D120472A**

# 4 Capacity tables

## 4 - 1 Cooling/Heating Capacity Tables



**ATXM50R / ARXM50R**
**ATXM50N / ARXM50R**

**Cooling**

·50· Hz ·220 - 240· V

| AFR | 16,1 |
|---|---|
| BF | 0,13 |

| Indoor temperature | | Outdoor temperature [°C DB] | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EWB | EDB | 20 | | | 25 | | | 30 | | | 32 | | | 35 | | | 40 | | |
| °C | °C | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI |
| 14,0 | 20 | 4,11 | 3,04 | 1,24 | 3,88 | 2,93 | 1,26 | 3,65 | 2,83 | 1,30 | 3,55 | 2,78 | 1,36 | 3,41 | 2,72 | 1,43 | 3,18 | 2,62 | 1,54 |
| 16,0 | 22 | 5,26 | 3,46 | 1,25 | 5,03 | 3,35 | 1,27 | 4,80 | 3,25 | 1,31 | 4,70 | 3,20 | 1,37 | 4,56 | 3,14 | 1,44 | 4,33 | 3,04 | 1,54 |
| 18,0 | 25 | 5,58 | 3,66 | 1,25 | 5,35 | 3,55 | 1,27 | 5,12 | 3,45 | 1,31 | 5,02 | 3,40 | 1,37 | 4,88 | 3,34 | 1,45 | 4,65 | 3,24 | 1,55 |
| 19,0 | 27 | 5,70 | 3,83 | 1,26 | 5,47 | 3,72 | 1,28 | 5,23 | 3,62 | 1,32 | 5,14 | 3,58 | 1,38 | 5,00 | 3,52 | 1,45 | 4,77 | 3,42 | 1,55 |
| 22,0 | 30 | 6,04 | 3,68 | 1,27 | 5,81 | 3,59 | 1,29 | 5,58 | 3,50 | 1,33 | 5,49 | 3,46 | 1,39 | 5,35 | 3,40 | 1,46 | 5,11 | 3,32 | 1,56 |
| 24,0 | 32 | 6,27 | 3,57 | 1,27 | 6,04 | 3,49 | 1,29 | 5,81 | 3,40 | 1,33 | 5,72 | 3,37 | 1,39 | 5,58 | 3,32 | 1,47 | 5,34 | 3,24 | 1,57 |

**Heating**

·50· Hz ·220 - 240· V

| AFR | 17,1 |
|---|---|

| Indoor temperature | Outdoor temperature [°C WB] | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EDB | -15 | | -10 | | -5 | | 0 | | 6 | | 10 | |
| °C | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI |
| 15,0 | 2,76 | 0,98 | 3,32 | 1,03 | 3,88 | 1,09 | 4,43 | 1,42 | 6,00 | 1,50 | 6,52 | 1,55 |
| 20,0 | 2,59 | 1,01 | 3,15 | 1,07 | 3,71 | 1,11 | 4,26 | 1,46 | 5,80 | 1,53 | 6,32 | 1,58 |
| 22,0 | 2,52 | 1,02 | 3,08 | 1,08 | 3,64 | 1,13 | 4,19 | 1,47 | 5,72 | 1,54 | 6,24 | 1,59 |
| 24,0 | 2,46 | 1,03 | 3,01 | 1,09 | 3,57 | 1,14 | 4,12 | 1,48 | 5,64 | 1,56 | 6,16 | 1,60 |
| 25,0 | 2,42 | 1,04 | 2,98 | 1,09 | 3,54 | 1,14 | 4,09 | 1,49 | 5,60 | 1,56 | 6,12 | 1,61 |
| 27,0 | 2,35 | 1,06 | 2,91 | 1,10 | 3,47 | 1,15 | 4,02 | 1,50 | 5,52 | 1,58 | 6,04 | 1,62 |

Symbols

AFR : Air flow rate [m³/min]
BF : Bypass factor
EWB : Entering wet-bulb temperature (°C WB)
EDB : Entering dry-bulb temperature (°C DB)
TC : Total capacity [kW]
SHC : Sensible heat capacity [kW]
PI : Power input [kW]

Notes

1. The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. On the figure the ·□· mark shows the rated capacity and rated coefficient of the power input.
3. The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
4. In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
5. The capacities are based on the following conditions:
   Corresponding refrigerant piping length: ·5· m
   Level difference: ·0·m
6. The air flow rate and bypass factor are mentioned in the table.

**3D120631A**

**ATXM50R / ARXM50R**

**Cooling**

·50· Hz ·220-240· V

| AFR | 15,45 |
|---|---|
| BF | 0,21 |

| Indoor | | Outdoor temperature [°C DB] | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EWB | EDB | 20 | | | 25 | | | 30 | | | 32 | | | 35 | | | 40 | | |
| °C | °C | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI |
| 14 | 20 | 5,12 | 3,89 | 1,04 | 4,89 | 3,82 | 1,14 | 4,66 | 3,76 | 1,24 | 4,56 | 3,74 | 1,28 | 4,42 | 3,71 | 1,34 | 4,19 | 3,69 | 1,44 |
| 16 | 22 | 5,35 | 3,70 | 1,05 | 5,12 | 3,62 | 1,15 | 4,89 | 3,55 | 1,25 | 4,79 | 3,53 | 1,29 | 4,65 | 3,50 | 1,35 | 4,42 | 3,45 | 1,45 |
| 18 | 25 | 5,58 | 3,90 | 1,05 | 5,35 | 3,84 | 1,15 | 5,12 | 3,80 | 1,26 | 5,02 | 3,79 | 1,30 | 4,88 | 3,78 | 1,36 | 4,65 | 3,77 | 1,46 |
| 19 | 27 | 5,70 | 4,24 | 1,06 | 5,47 | 4,21 | 1,16 | 5,23 | 4,22 | 1,26 | 5,14 | 4,22 | 1,30 | 5,00 | 4,25 | 1,36 | 4,77 | 4,31 | 1,46 |
| 22 | 30 | 6,04 | 3,82 | 1,07 | 5,81 | 3,78 | 1,17 | 5,58 | 3,75 | 1,27 | 5,49 | 3,75 | 1,31 | 5,35 | 3,74 | 1,37 | 5,11 | 3,76 | 1,47 |
| 24 | 32 | 6,27 | 3,57 | 1,07 | 6,04 | 3,53 | 1,17 | 5,81 | 3,49 | 1,27 | 5,72 | 3,48 | 1,31 | 5,58 | 3,46 | 1,37 | 5,34 | 3,45 | 1,47 |

**Heating**

·50· Hz ·220-240· V

| AFR | 15,33 |
|---|---|

| Indoor | Outdoor temperature [°C WB] | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EDB | -15 | | -10 | | -5 | | 0 | | 7 | | 10 | |
| °C | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI |
| 15 | 2,76 | 0,93 | 3,32 | 0,98 | 3,88 | 1,03 | 4,03 | 1,35 | 6,00 | 1,42 | 6,52 | 1,47 |
| 20 | 2,59 | 0,96 | 3,15 | 1,01 | 3,71 | 1,05 | 3,88 | 1,38 | 5,80 | 1,45 | 6,32 | 1,50 |
| 22 | 2,52 | 0,97 | 3,08 | 1,02 | 3,64 | 1,07 | 3,81 | 1,39 | 5,72 | 1,46 | 6,24 | 1,51 |
| 24 | 2,46 | 0,98 | 3,01 | 1,03 | 3,57 | 1,08 | 3,75 | 1,40 | 5,64 | 1,48 | 6,16 | 1,52 |
| 25 | 2,42 | 0,99 | 2,98 | 1,03 | 3,54 | 1,08 | 3,68 | 1,41 | 5,60 | 1,48 | 6,12 | 1,53 |
| 27 | 2,35 | 1,00 | 2,91 | 1,04 | 3,47 | 1,09 | 3,62 | 1,42 | 5,52 | 1,50 | 6,04 | 1,54 |

Symbols

AFR: Air flow rate [m³/min]
BF: Bypass factor
EWB: Entering wet-bulb temperature (°C WB)
EDB: Entering dry-bulb temperature (°C DB)
TC: Total capacity [kW]
SHC: Sensible heat capacity [kW]
PI: Power input [kW]

Notes

1) The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2) On the figure the · □ · mark shows the rated capacity and rated coefficient of the power input.
3) The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
4) In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
5) The capacities are based on the following conditions:
   Corresponding refrigerant piping length: ·5· m
   Level difference: ·0·m
6) The air flow rate and bypass factor are mentioned in the table.

**3D131705**

# 4 Capacity tables

## 4 - 1 Cooling/Heating Capacity Tables

### ADEA60A / ARXM60R

**Cooling** ·50· Hz ·220-240· V

| AFR | 18 |
|---|---|
| BF | 0,16 |

| Indoor | | Outdoor temperature [°C DB] | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EWB | EDB | 20 | | | 25 | | | 30 | | | 32 | | | 35 | | | 40 | | |
| °C | °C | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI |
| 14 | 20 | 5,84 | 3,95 | 1,27 | 5,57 | 3,81 | 1,40 | 5,31 | 3,67 | 1,52 | 5,20 | 3,62 | 1,57 | 5,04 | 3,54 | 1,64 | 4,78 | 3,42 | 1,77 |
| 16 | 22 | 6,10 | 3,83 | 1,28 | 5,84 | 3,69 | 1,41 | 5,57 | 3,55 | 1,53 | 5,47 | 3,50 | 1,58 | 5,31 | 3,42 | 1,65 | 5,04 | 3,30 | 1,77 |
| 18 | 25 | 6,36 | 3,92 | 1,29 | 6,10 | 3,79 | 1,41 | 5,83 | 3,67 | 1,54 | 5,73 | 3,62 | 1,58 | 5,57 | 3,55 | 1,66 | 5,30 | 3,44 | 1,78 |
| 19 | 27 | 6,50 | 4,07 | 1,29 | 6,23 | 3,96 | 1,42 | 5,97 | 3,84 | 1,54 | 5,86 | 3,80 | 1,59 | 5,70 | 3,74 | 1,66 | 5,43 | 3,65 | 1,78 |
| 22 | 30 | 6,89 | 3,81 | 1,30 | 6,62 | 3,69 | 1,43 | 6,36 | 3,58 | 1,55 | 6,25 | 3,54 | 1,60 | 6,09 | 3,48 | 1,67 | 5,83 | 3,38 | 1,80 |
| 24 | 32 | 7,15 | 3,64 | 1,31 | 6,89 | 3,53 | 1,43 | 6,62 | 3,42 | 1,56 | 6,52 | 3,37 | 1,61 | 6,36 | 3,31 | 1,68 | 6,09 | 3,21 | 1,80 |

**Heating** ·50· Hz ·220-240· V

| AFR | 18 |
|---|---|

| Indoor | Outdoor temperature [°C WB] | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EDB | -15 | | -10 | | -5 | | 0 | | 7 | | 10 | |
| °C | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI |
| 15 | 3,39 | 1,56 | 3,93 | 1,63 | 4,42 | 1,70 | 5,07 | 1,78 | 7,21 | 1,88 | 7,68 | 1,92 |
| 20 | 3,18 | 1,61 | 3,70 | 1,69 | 4,25 | 1,76 | 4,89 | 1,83 | 7,00 | 1,93 | 7,47 | 1,97 |
| 22 | 3,10 | 1,63 | 3,63 | 1,71 | 4,18 | 1,78 | 4,82 | 1,85 | 6,90 | 1,96 | 7,39 | 1,99 |
| 24 | 3,02 | 1,66 | 3,55 | 1,73 | 4,11 | 1,80 | 4,75 | 1,87 | 6,81 | 1,98 | 7,30 | 2,01 |
| 25 | 2,97 | 1,67 | 3,50 | 1,74 | 4,07 | 1,81 | 4,72 | 1,88 | 6,76 | 1,99 | 7,26 | 2,02 |
| 27 | 2,89 | 1,69 | 3,45 | 1,76 | 4,00 | 1,83 | 4,65 | 1,90 | 6,66 | 2,01 | 7,18 | 2,04 |

Symbols

AFR: Air flow rate [m³/min]
BF: Bypass factor
EWB: Entering wet-bulb temperature (°C WB)
EDB: Entering dry-bulb temperature (°C DB)
TC: Total capacity [kW]
SHC: Sensible heat capacity [kW]
PI: Power input [kW]

Notes

1) The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2) On the figure the · ▭ · mark shows the rated capacity and rated coefficient of the power input.
3) The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
4) In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
5) The capacities are based on the following conditions:
   Corresponding refrigerant piping length: ·5· m
   Level difference: ·0·m
6) The air flow rate and bypass factor are mentioned in the table.

**3D120473A**

### ADEA71A / ARXM71R

**Cooling** ·50· Hz ·220-240· V

| AFR | 18 |
|---|---|
| BF | 0,14 |

| Indoor | | Outdoor temperature [°C DB] | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EWB | EDB | 20 | | | 25 | | | 30 | | | 32 | | | 35 | | | 40 | | |
| °C | °C | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI |
| 14 | 20 | 6,35 | 4,25 | 1,74 | 6,35 | 4,25 | 1,93 | 6,33 | 4,24 | 2,11 | 6,21 | 4,17 | 2,18 | 6,02 | 4,07 | 2,28 | 5,05 | 3,57 | 2,30 |
| 16 | 22 | 7,28 | 4,51 | 1,78 | 6,96 | 4,33 | 1,95 | 6,65 | 4,15 | 2,12 | 6,52 | 4,08 | 2,19 | 6,33 | 3,97 | 2,29 | 5,30 | 3,44 | 2,30 |
| 18 | 25 | 7,59 | 4,60 | 1,79 | 7,28 | 4,42 | 1,96 | 6,96 | 4,24 | 2,13 | 6,83 | 4,18 | 2,20 | 6,64 | 4,08 | 2,30 | 5,55 | 3,57 | 2,30 |
| 19 | 27 | 7,75 | 4,73 | 1,79 | 7,43 | 4,56 | 1,96 | 7,12 | 4,39 | 2,13 | 6,99 | 4,33 | 2,20 | 6,80 | 4,24 | 2,31 | 5,67 | 3,77 | 2,30 |
| 22 | 30 | 8,22 | 4,48 | 1,81 | 7,90 | 4,31 | 1,98 | 7,59 | 4,15 | 2,15 | 7,46 | 4,09 | 2,22 | 7,27 | 4,00 | 2,32 | 6,04 | 3,48 | 2,30 |
| 24 | 32 | 8,53 | 4,31 | 1,82 | 8,22 | 4,15 | 1,99 | 7,90 | 3,99 | 2,16 | 7,77 | 3,93 | 2,23 | 7,58 | 3,84 | 2,33 | 6,28 | 3,30 | 2,30 |

**Heating** ·50· Hz ·220-240· V

| AFR | 18 |
|---|---|

| Indoor | Outdoor temperature [°C WB] | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EDB | -15 | | -10 | | -5 | | 0 | | 7 | | 10 | |
| °C | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI |
| 15 | 4,06 | 1,68 | 4,89 | 1,78 | 4,75 | 1,87 | 5,43 | 1,97 | 7,71 | 2,10 | 8,21 | 2,15 |
| 20 | 3,85 | 1,74 | 4,68 | 1,83 | 4,57 | 1,92 | 5,26 | 2,02 | 7,50 | 2,15 | 8,00 | 2,21 |
| 22 | 3,77 | 1,76 | 4,60 | 1,85 | 4,50 | 1,94 | 5,19 | 2,04 | 7,42 | 2,19 | 7,91 | 2,23 |
| 24 | 3,68 | 1,78 | 4,51 | 1,87 | 4,43 | 1,97 | 5,12 | 2,06 | 7,33 | 2,21 | 7,83 | 2,25 |
| 25 | 3,64 | 1,79 | 4,47 | 1,88 | 4,40 | 1,98 | 5,08 | 2,07 | 7,29 | 2,22 | 7,79 | 2,26 |
| 27 | 3,56 | 1,81 | 4,39 | 1,90 | 4,33 | 2,00 | 5,01 | 2,09 | 7,21 | 2,23 | 7,70 | 2,28 |

Symbols

AFR: Air flow rate [m³/min]
BF: Bypass factor
EWB: Entering wet-bulb temperature (°C WB)
EDB: Entering dry-bulb temperature (°C DB)
TC: Total capacity [kW]
SHC: Sensible heat capacity [kW]
PI: Power input [kW]

Notes

1) The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2) On the figure the · ▭ mark shows the rated capacity and rated coefficient of the power input.
3) The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
4) In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
5) The capacities are based on the following conditions:
   Corresponding refrigerant piping length: ·5· m
   Level difference: ·0·m
6) The air flow rate and bypass factor are mentioned in the table.

**3D120474A**

# 4 Capacity tables

## 4 - 1 Cooling/Heating Capacity Tables



### FAA71A / ARXM71R

**Cooling** ·50· Hz ·220-240· V

| AFR | 18 |
|---|---|
| BF | 0,12 |

| Indoor | | Outdoor temperature [°C DB] | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EWB | EDB | 20 | | | 25 | | | 30 | | | 32 | | | 35 | | | 40 | | | |
| °C | °C | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | |
| 14 | 20 | 6,50 | 4,33 | 1,50 | 6,50 | 4,33 | 1,67 | 6,33 | 4,24 | 1,83 | 6,21 | 4,17 | 1,89 | 6,02 | 4,07 | 1,98 | 5,70 | 3,89 | 2,13 | |
| 16 | 22 | 7,28 | 4,51 | 1,54 | 6,96 | 4,33 | 1,69 | 6,65 | 4,15 | 1,84 | 6,52 | 4,08 | 1,90 | 6,33 | 3,97 | 1,99 | 6,01 | 3,80 | 2,13 | |
| 18 | 25 | 7,59 | 4,60 | 1,55 | 7,28 | 4,42 | 1,70 | 6,96 | 4,24 | 1,85 | 6,83 | 4,18 | 1,91 | 6,64 | 4,08 | 2,00 | 6,33 | 3,92 | 2,14 | |
| 19 | 27 | 7,75 | 4,73 | 1,56 | 7,43 | 4,56 | 1,70 | 7,12 | 4,39 | 1,85 | 6,99 | 4,33 | 1,91 | 6,80 | 4,24 | 2,00 | 6,48 | 4,09 | 2,15 | |
| 22 | 30 | 8,22 | 4,48 | 1,57 | 7,90 | 4,31 | 1,72 | 7,59 | 4,15 | 1,87 | 7,46 | 4,09 | 1,92 | 7,27 | 4,00 | 2,01 | 6,95 | 3,86 | 2,16 | |
| 24 | 32 | 8,53 | 4,31 | 1,58 | 8,22 | 4,15 | 1,73 | 7,90 | 3,99 | 1,87 | 7,77 | 3,93 | 1,93 | 7,58 | 3,84 | 2,02 | 7,27 | 3,70 | 2,17 | |

**Heating** ·50· Hz ·220-240· V

| AFR | 18 |
|---|---|

| Indoor | Outdoor temperature [°C WB] | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EDB | -15 | | -10 | | -5 | | 0 | | 7 | | 10 | |
| °C | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI |
| 15 | 4,41 | 1,75 | 5,16 | 1,87 | 4,91 | 2,00 | 5,52 | 2,12 | 7,71 | 2,30 | 8,16 | 2,37 |
| 20 | 4,20 | 1,80 | 4,95 | 1,93 | 4,73 | 2,05 | 5,35 | 2,18 | 7,50 | 2,35 | 7,95 | 2,43 |
| 22 | 4,12 | 1,82 | 4,87 | 1,95 | 4,66 | 2,07 | 5,28 | 2,20 | 7,42 | 2,39 | 7,87 | 2,45 |
| 24 | 4,04 | 1,84 | 4,79 | 1,97 | 4,59 | 2,09 | 5,21 | 2,22 | 7,33 | 2,41 | 7,78 | 2,47 |
| 25 | 3,99 | 1,85 | 4,74 | 1,98 | 4,56 | 2,10 | 5,17 | 2,23 | 7,29 | 2,42 | 7,74 | 2,48 |
| 27 | 3,91 | 1,87 | 4,66 | 2,00 | 4,49 | 2,12 | 5,10 | 2,25 | 7,21 | 2,44 | 7,66 | 2,50 |

Symbols

AFR: Air flow rate [m³/min]
BF: Bypass factor
EWB: Entering wet-bulb temperature (°C WB)
EDB: Entering dry-bulb temperature (°C DB)
TC: Total capacity [kW]
SHC: Sensible heat capacity [kW]
PI: Power input [kW]

Notes

1) The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2) On the figure the · ▭ mark shows the rated capacity and rated coefficient of the power input.
3) The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
4) In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
5) The capacities are based on the following conditions:
   Corresponding refrigerant piping length: ·5· m
   Level difference: ·0·m
6) The air flow rate and bypass factor are mentioned in the table.

**3D120475A**

### FBA71A(9) / ARXM71R

**Cooling** ·50· Hz ·220-240· V

| AFR | 18 |
|---|---|
| BF | 0,14 |

| Indoor | | Outdoor temperature [°C DB] | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EWB | EDB | 20 | | | 25 | | | 30 | | | 32 | | | 35 | | | 40 | | | |
| °C | °C | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | |
| 14 | 20 | 6,35 | 4,25 | 1,41 | 6,35 | 4,25 | 1,57 | 6,33 | 4,24 | 1,73 | 6,21 | 4,17 | 1,78 | 6,02 | 4,07 | 1,87 | 5,70 | 3,89 | 2,01 | |
| 16 | 22 | 7,28 | 4,51 | 1,46 | 6,96 | 4,33 | 1,60 | 6,65 | 4,15 | 1,74 | 6,52 | 4,08 | 1,79 | 6,33 | 3,97 | 1,88 | 6,01 | 3,80 | 2,02 | |
| 18 | 25 | 7,59 | 4,60 | 1,47 | 7,28 | 4,42 | 1,61 | 6,96 | 4,24 | 1,75 | 6,83 | 4,18 | 1,80 | 6,64 | 4,08 | 1,88 | 6,33 | 3,92 | 2,02 | |
| 19 | 27 | 7,75 | 4,73 | 1,47 | 7,43 | 4,56 | 1,61 | 7,12 | 4,39 | 1,75 | 6,99 | 4,33 | 1,81 | 6,80 | 4,24 | 1,89 | 6,48 | 4,09 | 2,03 | |
| 22 | 30 | 8,22 | 4,48 | 1,48 | 7,90 | 4,31 | 1,62 | 7,59 | 4,15 | 1,76 | 7,46 | 4,09 | 1,82 | 7,27 | 4,00 | 1,90 | 6,95 | 3,86 | 2,04 | |
| 24 | 32 | 8,53 | 4,31 | 1,49 | 8,22 | 4,15 | 1,63 | 7,90 | 3,99 | 1,77 | 7,77 | 3,93 | 1,83 | 7,58 | 3,84 | 1,91 | 7,27 | 3,70 | 2,05 | |

**Heating** ·50· Hz ·220-240· V

| AFR | 18 |
|---|---|

| Indoor | Outdoor temperature [°C WB] | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EDB | -15 | | -10 | | -5 | | 0 | | 7 | | 10 | |
| °C | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI |
| 15 | 4,06 | 1,58 | 4,89 | 1,67 | 4,75 | 1,77 | 5,43 | 1,86 | 7,71 | 1,99 | 8,21 | 2,05 |
| 20 | 3,85 | 1,63 | 4,68 | 1,72 | 4,57 | 1,82 | 5,26 | 1,91 | 7,50 | 2,04 | 8,00 | 2,10 |
| 22 | 3,77 | 1,65 | 4,60 | 1,74 | 4,50 | 1,84 | 5,19 | 1,93 | 7,42 | 2,08 | 7,91 | 2,12 |
| 24 | 3,68 | 1,67 | 4,51 | 1,77 | 4,43 | 1,86 | 5,12 | 1,95 | 7,33 | 2,10 | 7,83 | 2,14 |
| 25 | 3,64 | 1,68 | 4,47 | 1,78 | 4,40 | 1,87 | 5,08 | 1,96 | 7,29 | 2,11 | 7,79 | 2,15 |
| 27 | 3,56 | 1,70 | 4,39 | 1,80 | 4,33 | 1,89 | 5,01 | 1,98 | 7,21 | 2,12 | 7,70 | 2,17 |

Symbols

AFR: Air flow rate [m³/min]
BF: Bypass factor
EWB: Entering wet-bulb temperature (°C WB)
EDB: Entering dry-bulb temperature (°C DB)
TC: Total capacity [kW]
SHC: Sensible heat capacity [kW]
PI: Power input [kW]

Notes

1) The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2) On the figure the · ▭ mark shows the rated capacity and rated coefficient of the power input.
3) The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
4) In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
5) The capacities are based on the following conditions:
   Corresponding refrigerant piping length: ·5· m
   Level difference: ·0·m
6) The air flow rate and bypass factor are mentioned in the table.

**3D120476A**

# 4 Capacity tables

## 4 - 1 Cooling/Heating Capacity Tables

**FCAG71B / ARXM71R**

**Cooling** ·50· Hz ·220-240· V

| AFR | 15,3 |
|---|---|
| BF | 0,16 |

| Indoor | | Outdoor temperature [°C DB] | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EWB | EDB | 20 | | | 25 | | | 30 | | | 32 | | | 35 | | | 40 | | |
| °C | °C | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI |
| 14 | 20 | 5,28 | 3,85 | 1,55 | 5,28 | 3,85 | 1,75 | 5,28 | 3,85 | 1,95 | 5,28 | 3,85 | 2,03 | 5,28 | 3,85 | 2,14 | 5,28 | 3,85 | 2,30 |
| 16 | 22 | 6,70 | 4,25 | 1,64 | 6,70 | 4,25 | 1,82 | 6,65 | 4,22 | 1,99 | 6,52 | 4,16 | 2,06 | 6,33 | 4,06 | 2,15 | 5,96 | 3,88 | 2,30 |
| 18 | 25 | 7,59 | 4,66 | 1,68 | 7,28 | 4,50 | 1,84 | 6,96 | 4,35 | 2,00 | 6,83 | 4,29 | 2,06 | 6,64 | 4,20 | 2,16 | 6,22 | 4,02 | 2,30 |
| 19 | 27 | 7,75 | 4,83 | 1,69 | 7,43 | 4,69 | 1,85 | 7,12 | 4,55 | 2,01 | 6,99 | 4,49 | 2,07 | 6,80 | 4,42 | 2,17 | 6,36 | 4,26 | 2,30 |
| 22 | 30 | 8,22 | 4,53 | 1,70 | 7,90 | 4,39 | 1,86 | 7,59 | 4,25 | 2,02 | 7,46 | 4,20 | 2,08 | 7,27 | 4,12 | 2,18 | 6,75 | 3,92 | 2,30 |
| 24 | 32 | 8,53 | 4,33 | 1,71 | 8,22 | 4,19 | 1,87 | 7,90 | 4,06 | 2,03 | 7,77 | 4,00 | 2,09 | 7,58 | 3,93 | 2,19 | 7,00 | 3,71 | 2,30 |

**Heating** ·50· Hz ·220-240· V

| AFR | 15 |
|---|---|

| Indoor | Outdoor temperature [°C WB] | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EDB | -15 | | -10 | | -5 | | 0 | | 7 | | 10 | |
| °C | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI | TC | PI |
| 15 | 4,21 | 1,64 | 5,01 | 1,76 | 4,82 | 1,88 | 5,47 | 2,00 | 7,71 | 2,17 | 8,19 | 2,24 |
| 20 | 4,00 | 1,69 | 4,80 | 1,81 | 4,64 | 1,93 | 5,29 | 2,05 | 7,50 | 2,22 | 7,98 | 2,29 |
| 22 | 3,92 | 1,71 | 4,71 | 1,83 | 4,57 | 1,95 | 5,23 | 2,07 | 7,42 | 2,26 | 7,89 | 2,31 |
| 24 | 3,83 | 1,73 | 4,63 | 1,85 | 4,50 | 1,97 | 5,16 | 2,09 | 7,33 | 2,28 | 7,81 | 2,33 |
| 25 | 3,79 | 1,74 | 4,59 | 1,86 | 4,47 | 1,98 | 5,12 | 2,10 | 7,29 | 2,29 | 7,77 | 2,34 |
| 27 | 3,71 | 1,76 | 4,50 | 1,88 | 4,40 | 2,00 | 5,05 | 2,12 | 7,21 | 2,31 | 7,61 | 2,36 |

Symbols

AFR: Air flow rate [m³/min]
BF: Bypass factor
EWB: Entering wet-bulb temperature (°C WB)
EDB: Entering dry-bulb temperature (°C DB)
TC: Total capacity [kW]
SHC: Sensible heat capacity [kW]
PI: Power input [kW]

Notes

1) The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2) On the figure the · ▭ · mark shows the rated capacity and rated coefficient of the power input.
3) The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
4) In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
5) The capacities are based on the following conditions:
   Corresponding refrigerant piping length: ·5· m
   Level difference: ·0·m
6) The air flow rate and bypass factor are mentioned in the table.

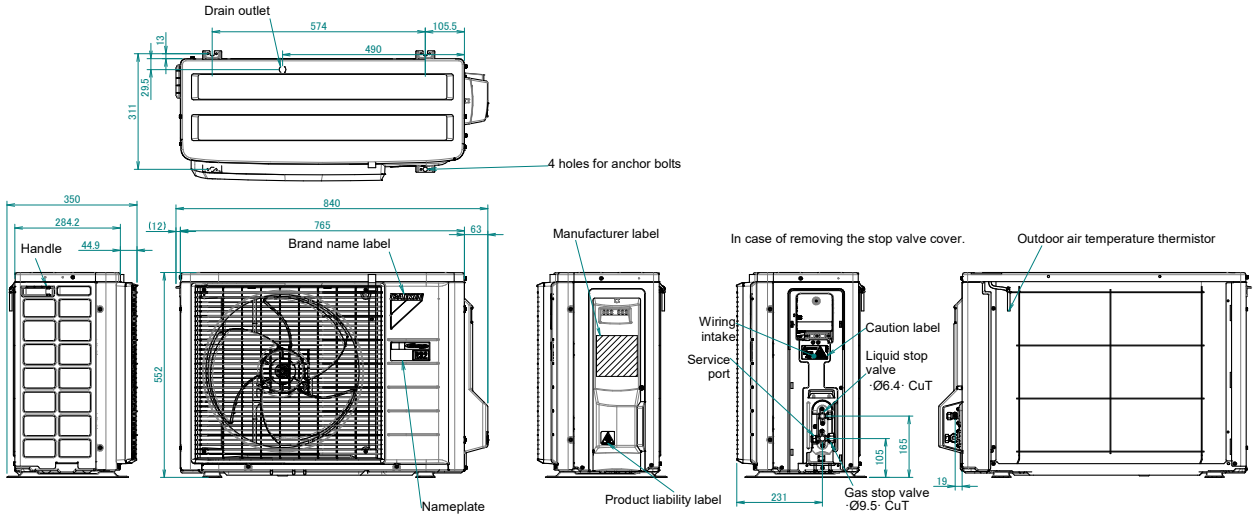
**3D120477B**

# 5 Dimensional drawings

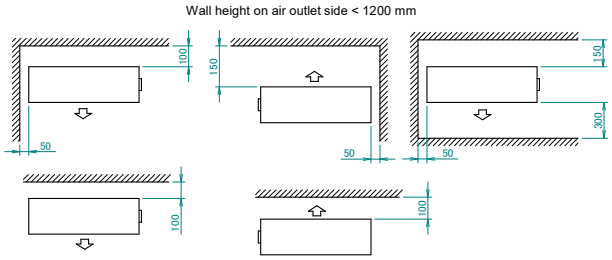
## 5 - 1 Dimensional Drawings



**ARXM25-35R**

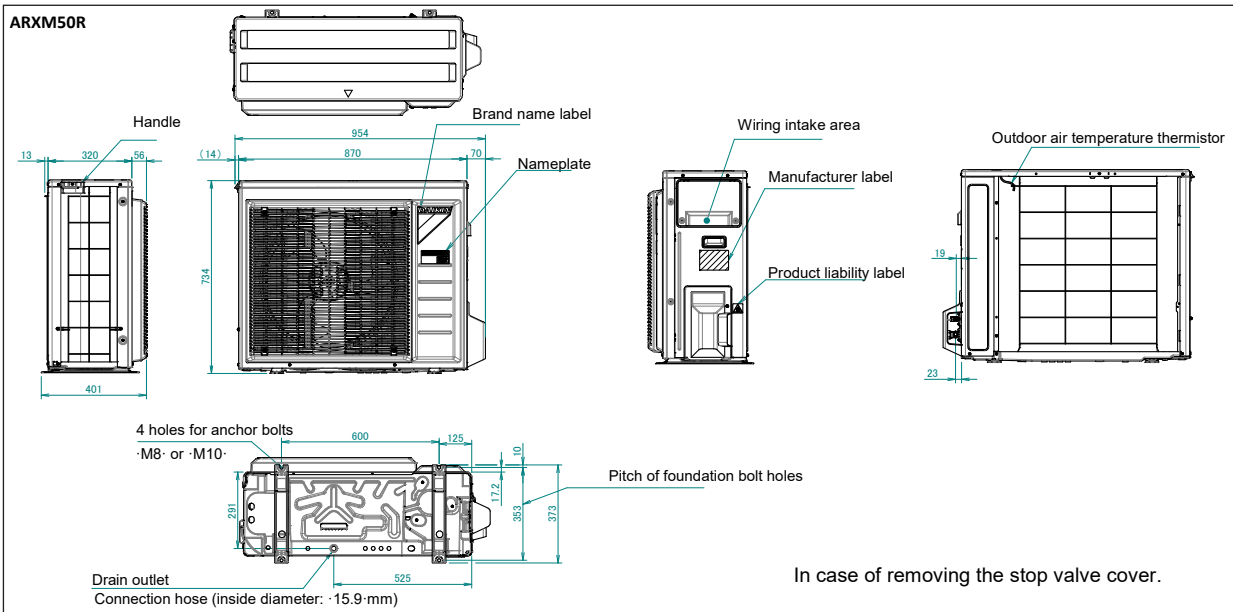



Minimum space for air passage



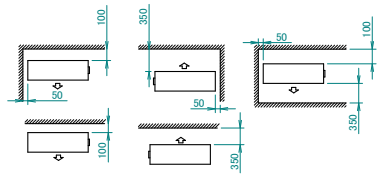

**3D119881A**

**ARXM50R**

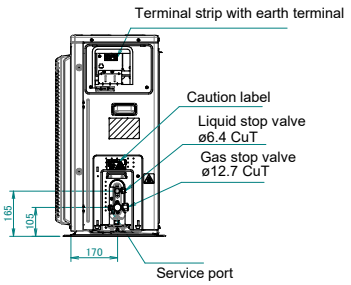



**Minimum space for air passage**

Wall height on air outlet side < 1200 mm




In case of removing the stop valve cover.

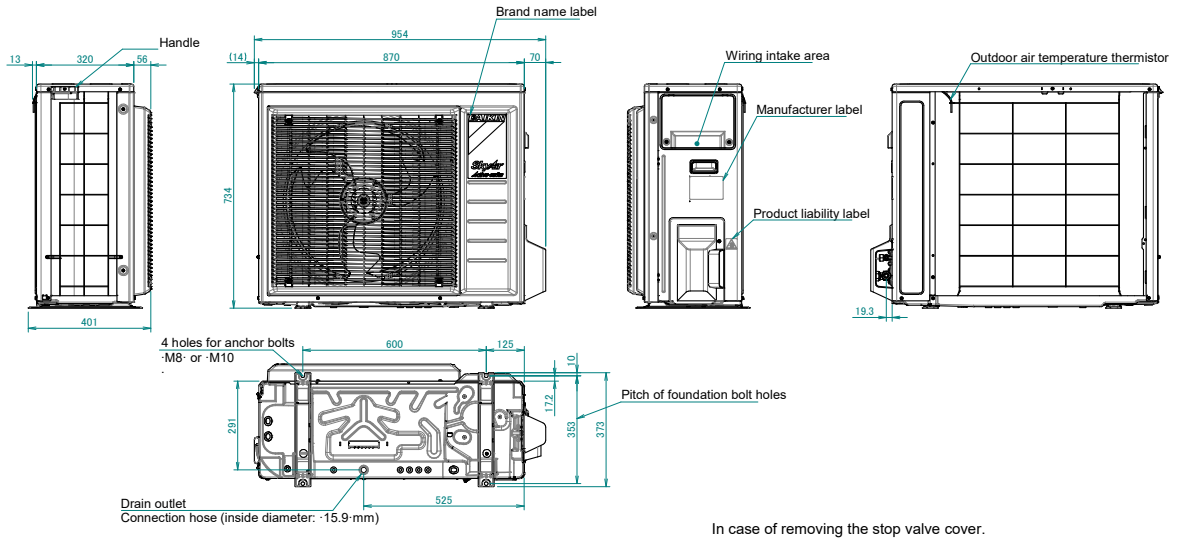



**3D114108B**

# 5 Dimensional drawings

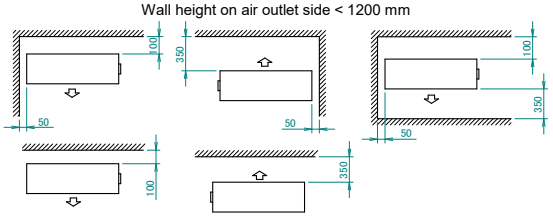
## 5 - 1 Dimensional Drawings

**ARXM60-71R**

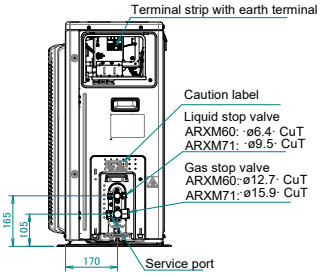



**Minimum space for air passage**

Wall height on air outlet side < 1200 mm




In case of removing the stop valve cover.



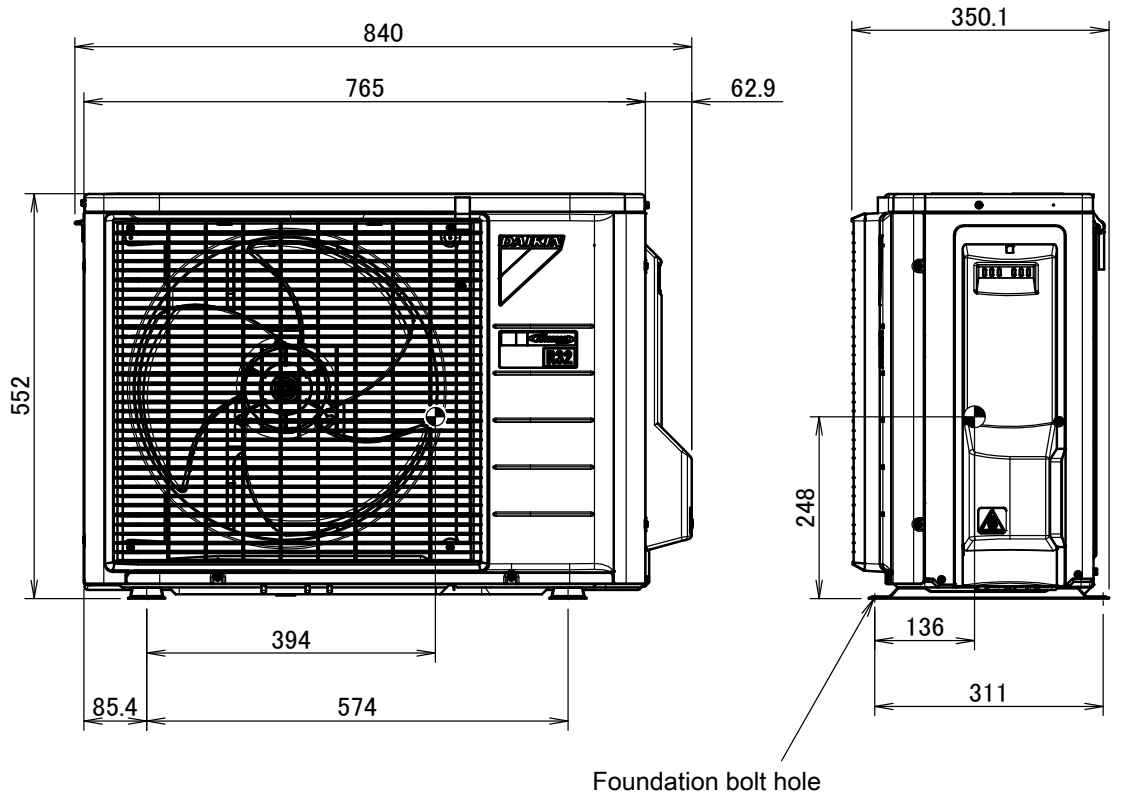

**3D120421A**

# 6 Centre of gravity

## 6 - 1 Centre of Gravity

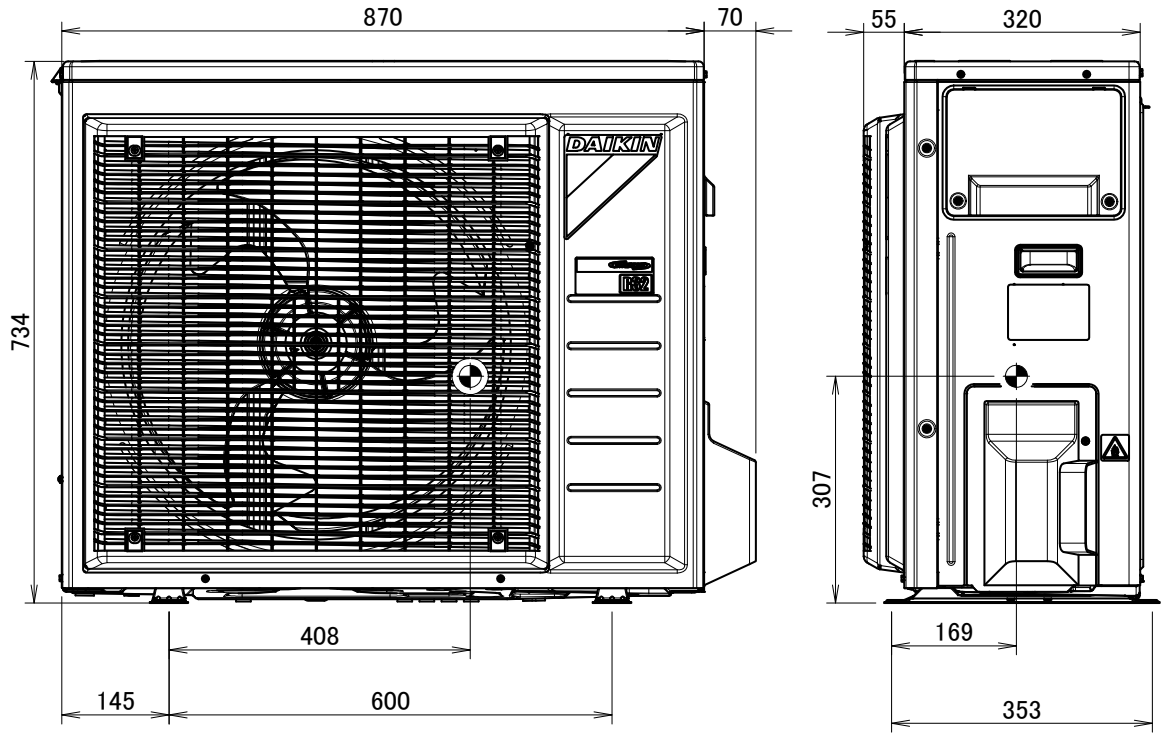


**ARXM25-35R**




**4D119880**

**ARXM50R**

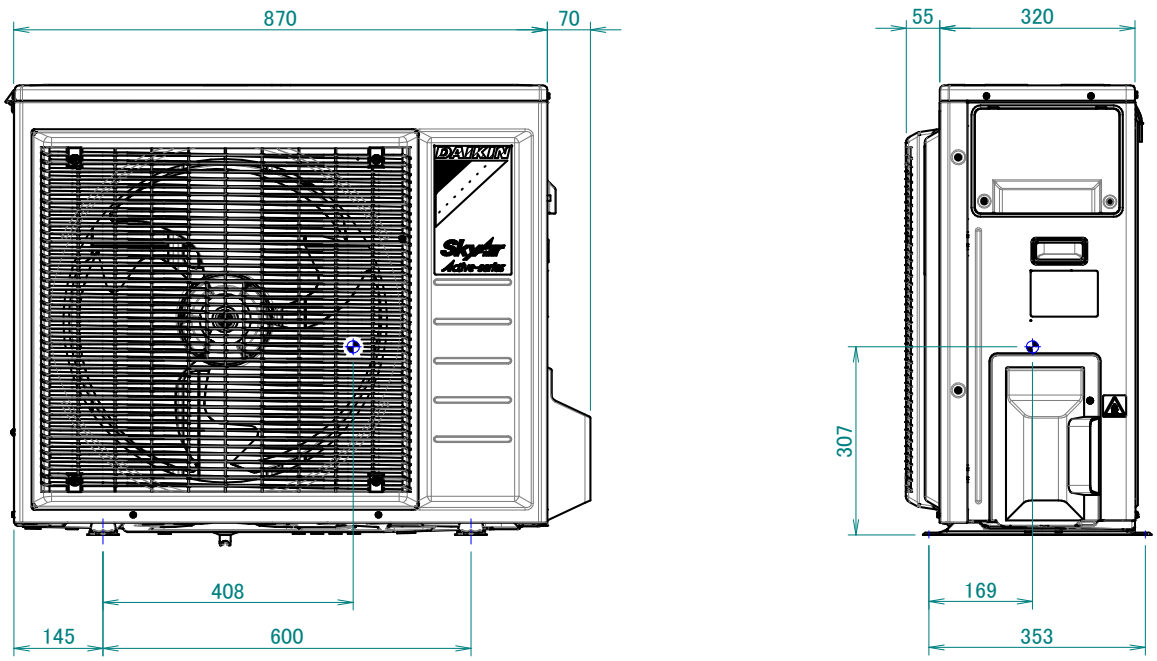



**4D117299**

# 6 Centre of gravity

## 6 - 1 Centre of Gravity

**ARXM60-71R**



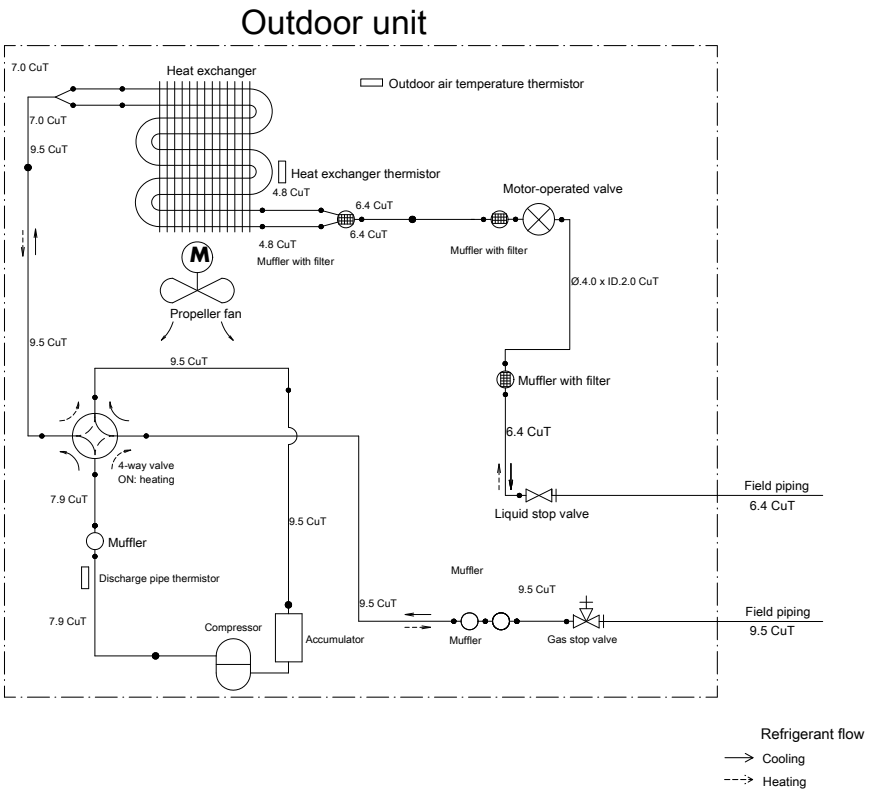

**4D120417**

# 7 Piping diagrams

## 7 - 1 Piping Diagrams

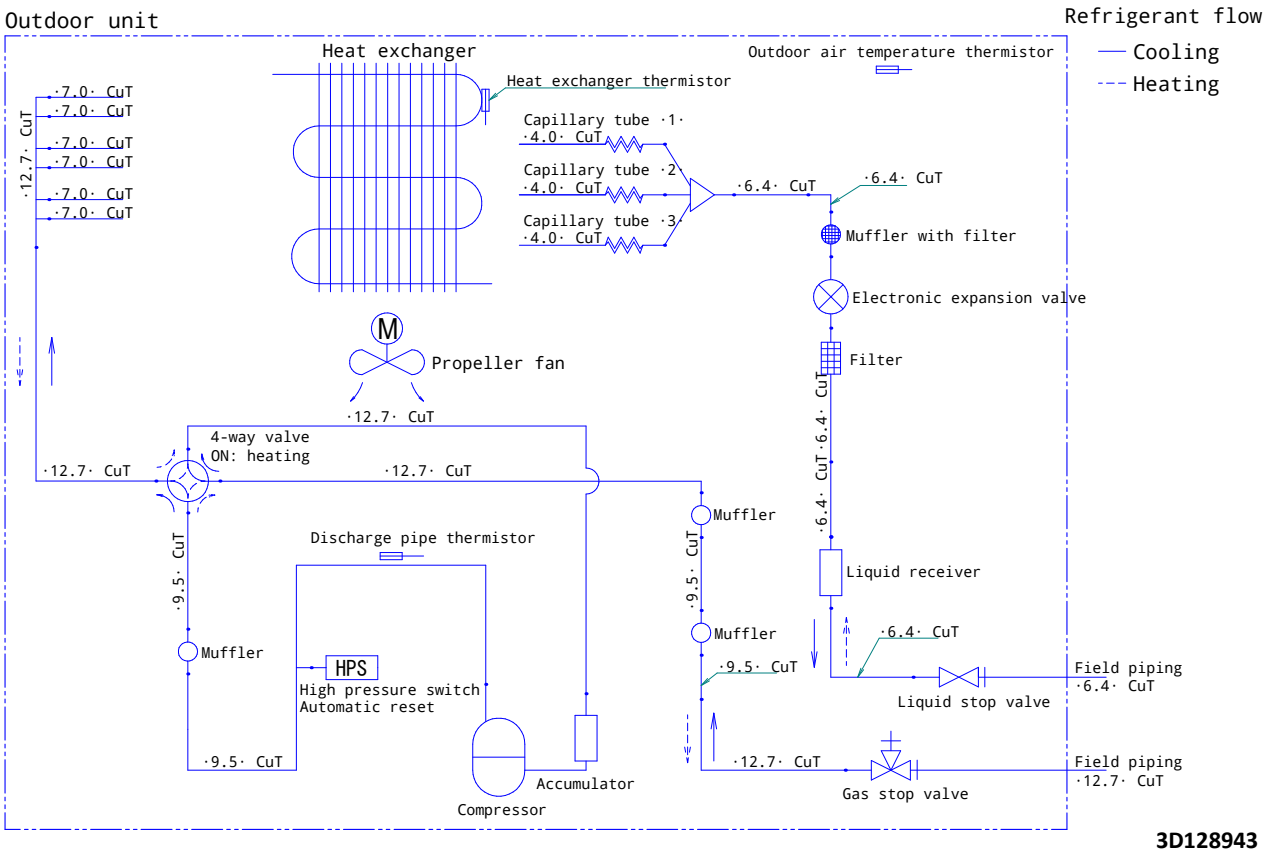


**ARXM25-35R**




**3D091995B**

**ARXM50-60R**

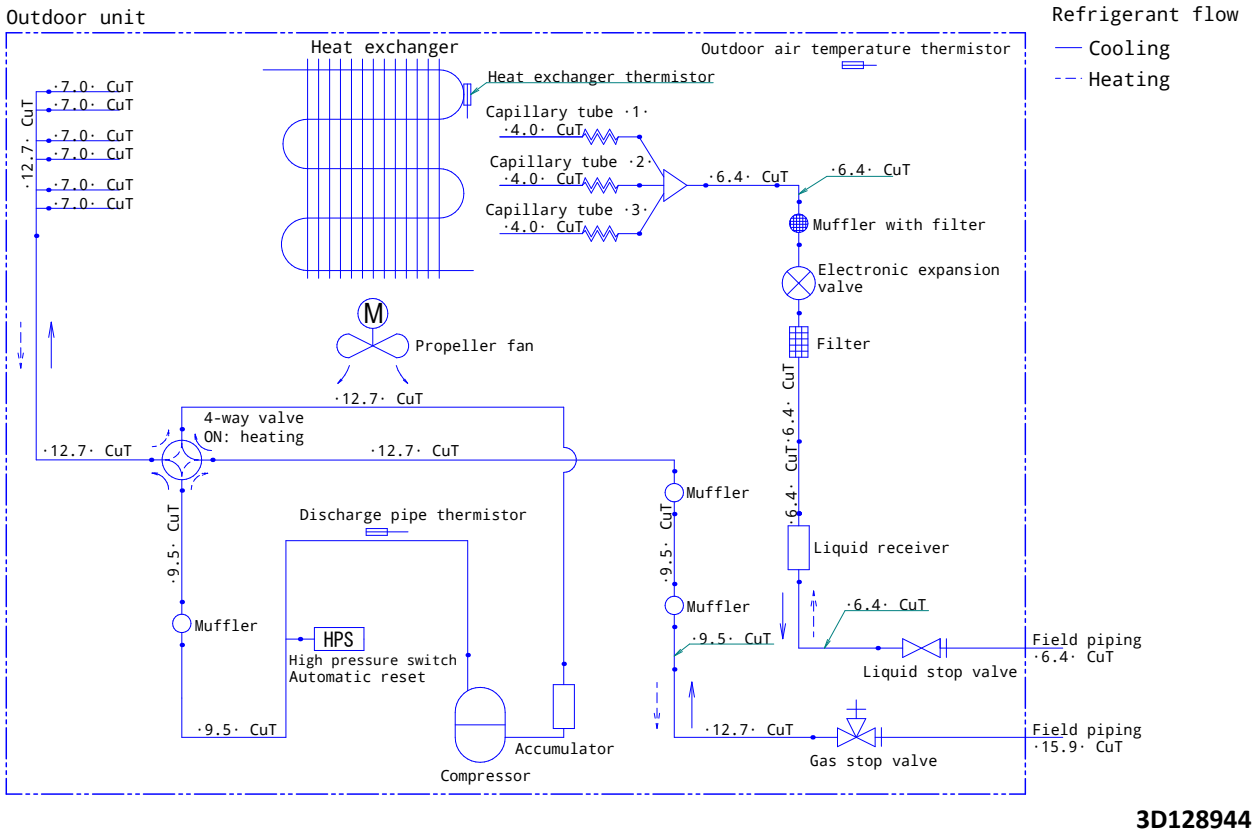



**3D128943**

# 7 Piping diagrams

## 7 - 1 Piping Diagrams

**ARXM71R**

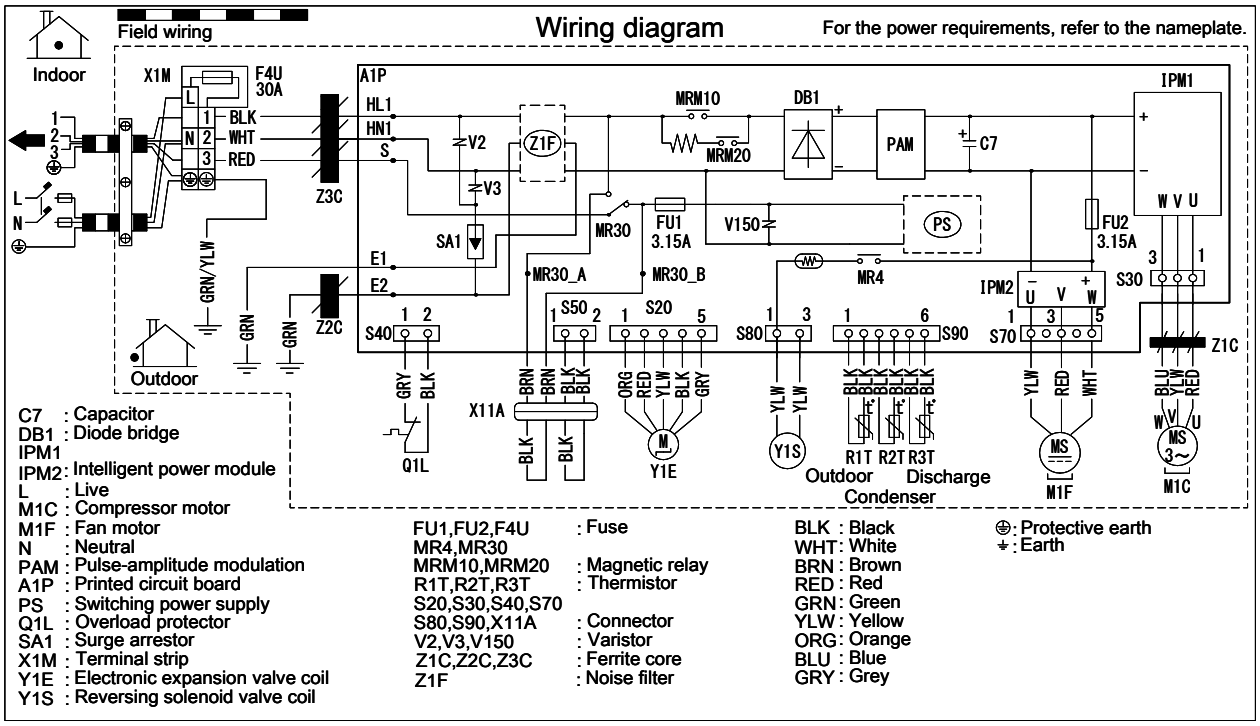


# 8 Wiring diagrams

## 8 - 1 Wiring Diagrams - Single Phase



### ARXM25-35R




C7 : Capacitor
DB1 : Diode bridge
IPM1
IPM2: Intelligent power module
L : Live
M1C : Compressor motor
M1F : Fan motor
N : Neutral
PAM : Pulse-amplitude modulation
A1P : Printed circuit board
PS : Switching power supply
Q1L : Overload protector
SA1 : Surge arrestor
X1M : Terminal strip
Y1E : Electronic expansion valve coil
Y1S : Reversing solenoid valve coil

FU1,FU2,F4U : Fuse
MR4,MR30
MRM10,MRM20 : Magnetic relay
R1T,R2T,R3T : Thermistor
S20,S30,S40,S70
S80,S90,X11A : Connector
V2,V3,V150 : Varistor
Z1C,Z2C,Z3C : Ferrite core
Z1F : Noise filter

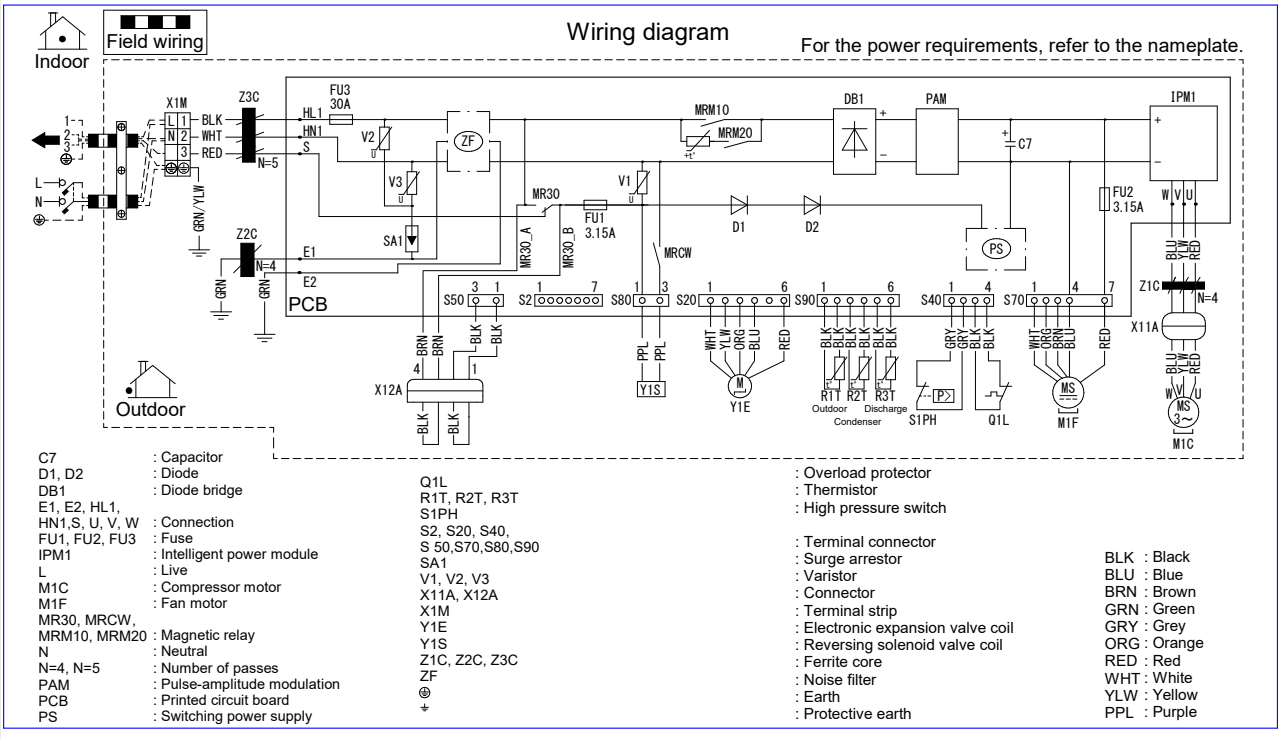
BLK : Black
WHT: White
BRN : Brown
RED : Red
GRN: Green
YLW : Yellow
ORG: Orange
BLU : Blue
GRY : Grey

⏚: Protective earth
⏚: Earth

Notes
Size: 140 x 80
Refer to purchasing specification AS303002, unless otherwise specified.

**4D120154**

### ARXM50-71R




C7 : Capacitor
D1, D2 : Diode
DB1 : Diode bridge
E1, E2, HL1, HN1,S, U, V, W : Connection
FU1, FU2, FU3 : Fuse
IPM1 : Intelligent power module
L : Live
M1C : Compressor motor
M1F : Fan motor
MR30, MRCW, MRM10, MRM20 : Magnetic relay
N : Neutral
N=4, N=5 : Number of passes
PAM : Pulse-amplitude modulation
PCB : Printed circuit board
PS : Switching power supply

Q1L : Overload protector
R1T, R2T, R3T : Thermistor
S1PH : High pressure switch
S2, S20, S40, S 50,S70,S80,S90 : Terminal connector
SA1 : Surge arrestor
V1, V2, V3 : Varistor
X11A, X12A : Connector
X1M : Terminal strip
Y1E : Electronic expansion valve coil
Y1S : Reversing solenoid valve coil
Z1C, Z2C, Z3C : Ferrite core
ZF : Noise filter
⏚ : Earth
⏚ : Protective earth

BLK : Black
BLU : Blue
BRN : Brown
GRN : Green
GRY : Grey
ORG : Orange
RED : Red
WHT : White
YLW : Yellow
PPL : Purple

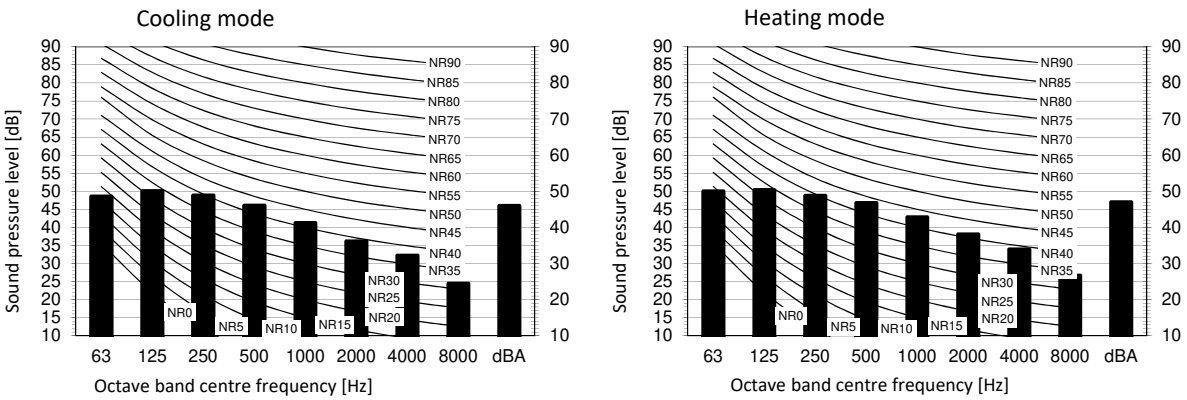
**3D130906A**

# 9 Sound data

## 9 - 1 Sound Pressure Spectrum



### ARXM25R




Legend

dBA = A-weighted sound pressure level (A scale according to IEC).

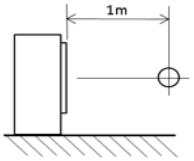
A Scale

B Fan speed: High

Notes

1 Background noise already taken into account.
2 Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
3 Operating noise varies depending on operation and ambient conditions.
4 The operation noise measuring method is in accordance with JISC9612.
5 Measuring location: anechoic chamber

Location of microphone




Cooling — Total dB

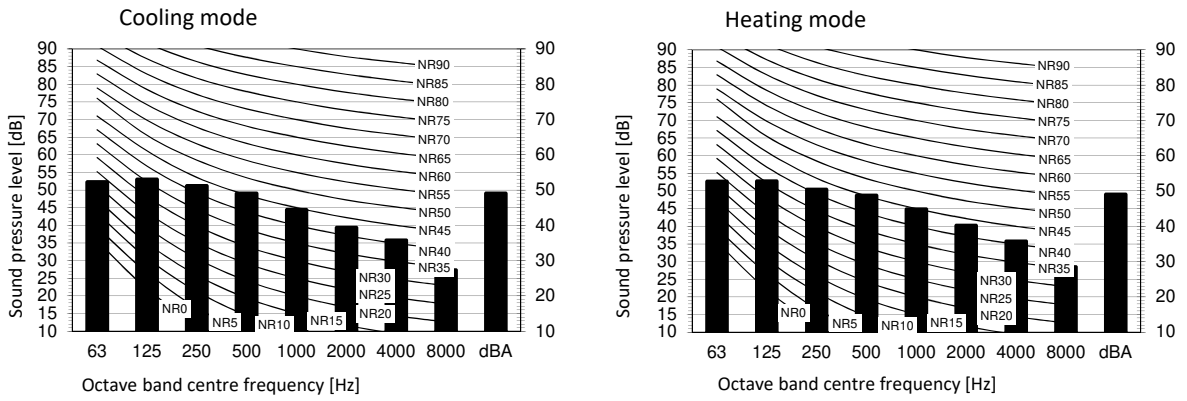
| A | B |
|---|---|
| dBA | 46 |

Heating — Total dB

| A | B |
|---|---|
| dBA | 47 |

3D110122A

### ARXM35R




Legend

dBA = A-weighted sound pressure level (A scale according to IEC).

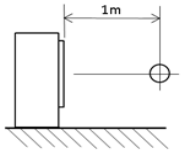
A Scale

B Fan speed: High

Notes

1 Background noise already taken into account.
2 Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
3 Operating noise varies depending on operation and ambient conditions.
4 The operation noise measuring method is in accordance with JISC9612.
5 Measuring location: anechoic chamber

Location of microphone




Cooling — Total dB

| A | B |
|---|---|
| dBA | 49 |

Heating — Total dB

| A | B |
|---|---|
| dBA | 49 |

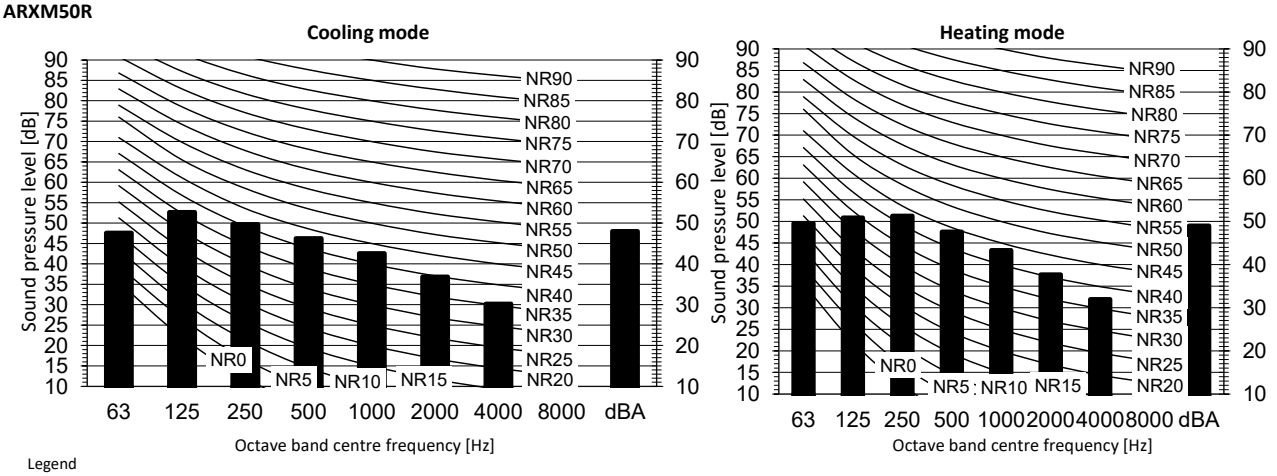
3D110123A

# 9 Sound data

## 9 - 1 Sound Pressure Spectrum



**ARXM50R**




Legend

dBA = A-weighted sound pressure level (A scale according to IEC).

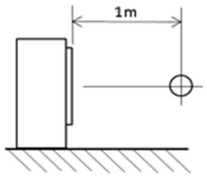
A Scale

B Fan speed: High

| Cooling | Total dB |
|---|---|
| A | B |
| dBA | 48 |

| Heating | Total dB |
|---|---|
| A | B |
| dBA | 49 |

Location of microphone

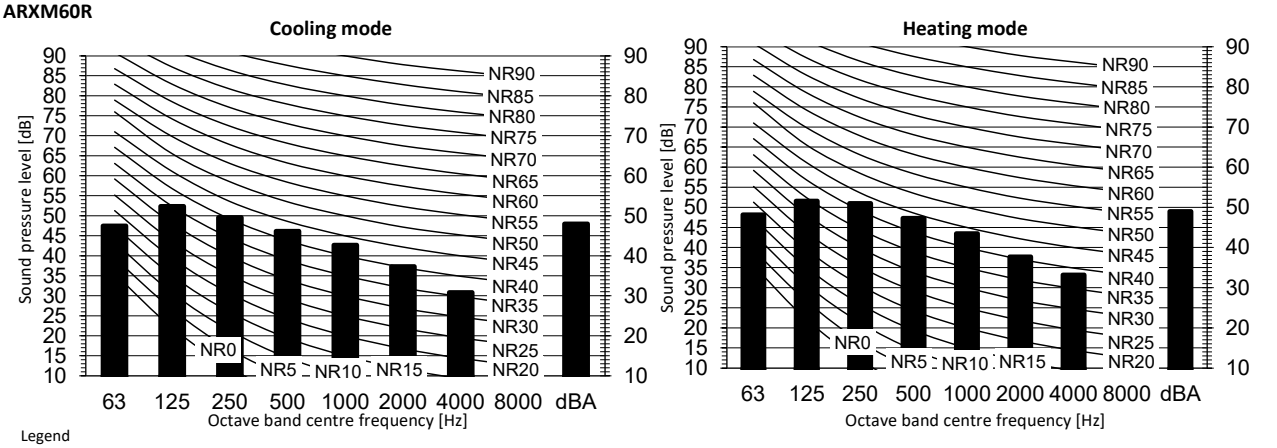



Notes

1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

**3D131753**

**ARXM60R**




Legend

dBA = A-weighted sound pressure level (A scale according to IEC).

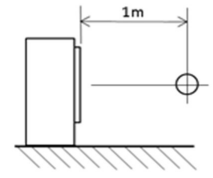
A Scale

B Fan speed: High

| Cooling | Total dB |
|---|---|
| A | B |
| dBA | 48 |

| Heating | Total dB |
|---|---|
| A | B |
| dBA | 49 |

Location of microphone




Notes

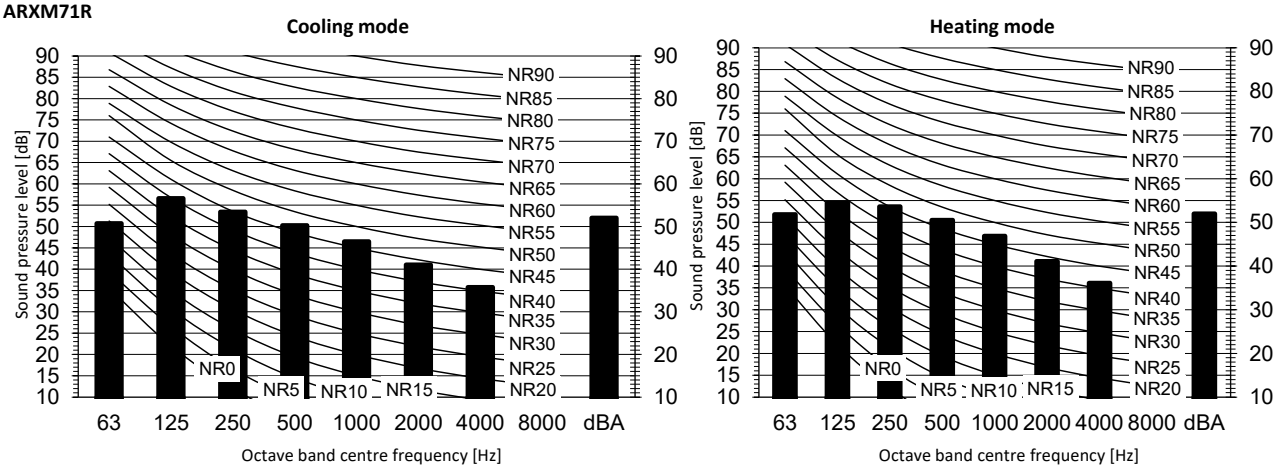
1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

**3D131754**

# 9 Sound data

## 9 - 1 Sound Pressure Spectrum

**ARXM71R**



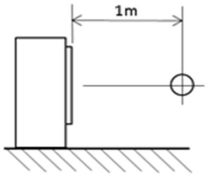

Legend

dBA = A-weighted sound pressure level (A scale according to IEC).

A Scale

B Fan speed: High

Location of microphone




Cooling Total dB

| A | B |
|---|---|
| dBA | 52 |

Heating Total dB

| A | B |
|---|---|
| dBA | 52 |

Notes

1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

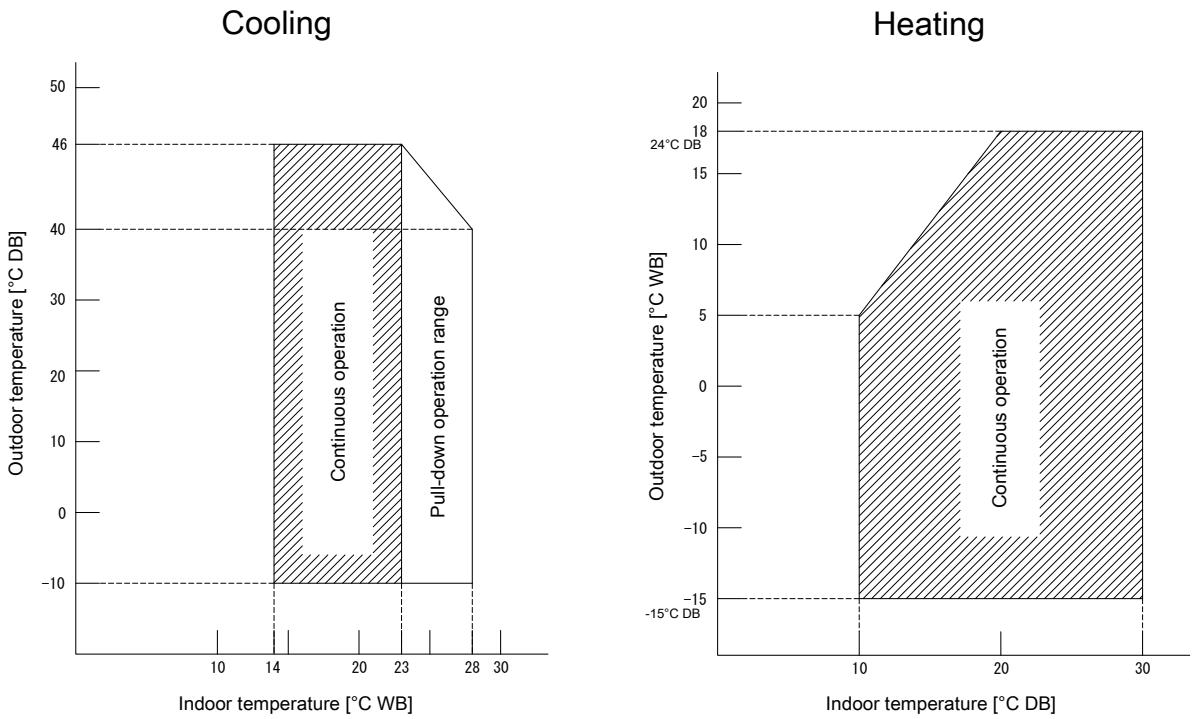
**3D131756**

# 10 Operation range

## 10 - 1 Operation Range



**ARXM60-71R**

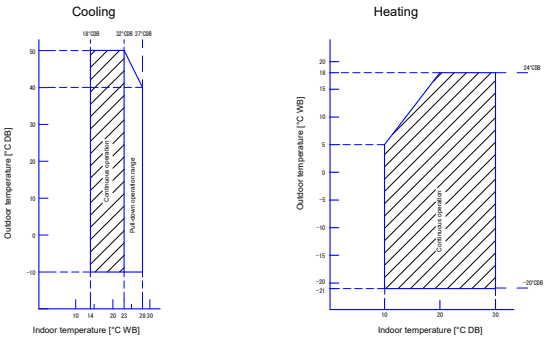



Notes

1. The graphs is based on the following conditions.
   Corresponding refrigerant piping length: 5 m
   Level difference: 0m
   Air flow rate High

**3D100846D**

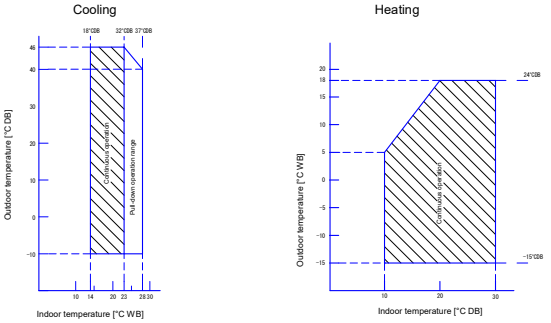
**ARXM25-35R**
**RXM20-60R**




Notes

1. The ·graph· is based on the following conditions.
   Corresponding refrigerant piping length: ·5· m
   Level difference: ·0·m
   Air flow rate High

Only possible in combination with ·ATXM*N2V1B, FTXM*N2V1B, ATXM*R2V1B, ATXM*R5V1B, FTXM*R2V1B, FTXM*R5V1B·




Only possible in combination with ·ATXM*M2V1B, FTXM*M2V1B, FVXM*FV1B, FCAG*AVEB, FFA*A2VEB9, FBA*A2VEB9, FHA*AVEB9, FDXM*F3V1B9, FNA*A2VEB9, ADEA*A2VEB, FVXM*A2V1B·

**3D119882E**

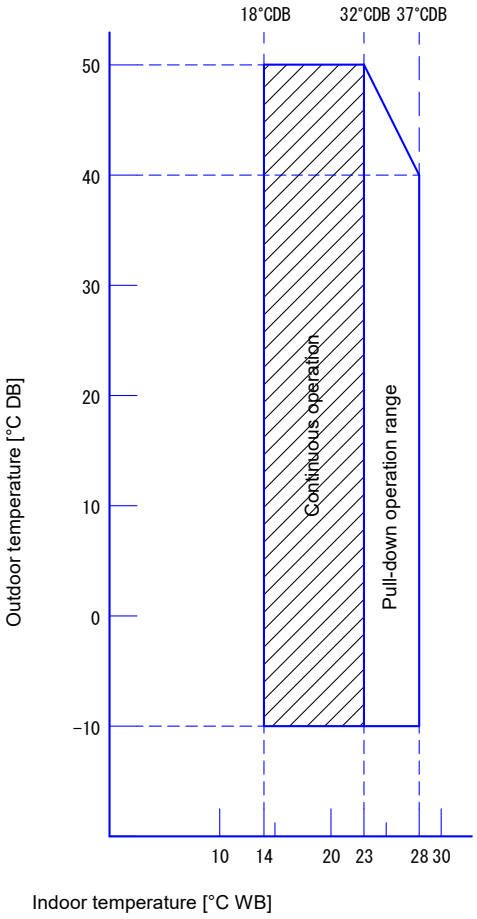
# 10 Operation range

## 10 - 1 Operation Range

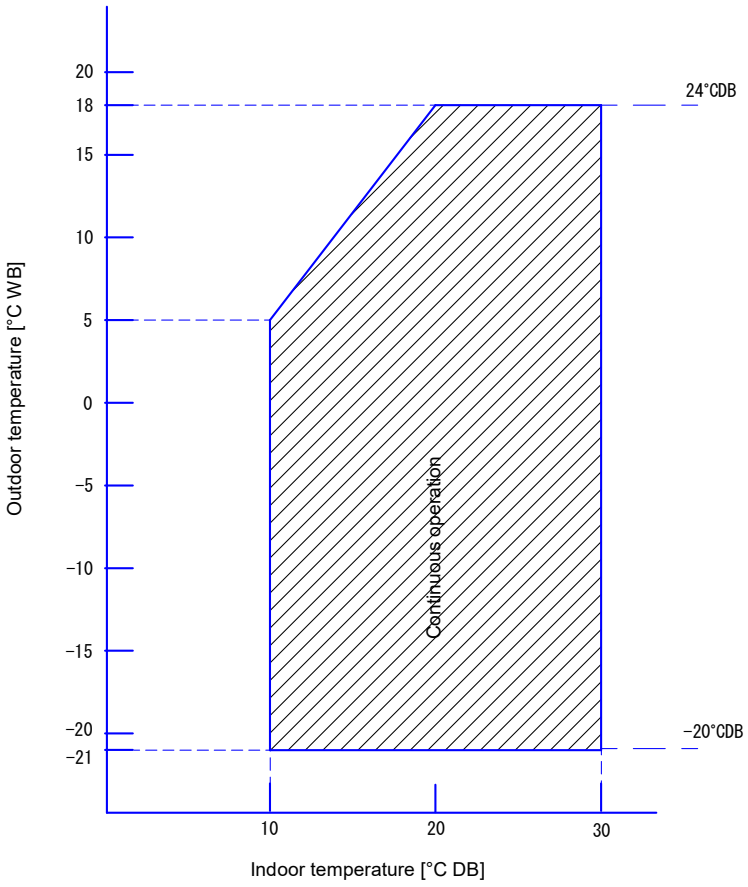
**ARXM50R**
**RXM42-60R**



Cooling




Heating




Notes

1. The ·graph· is based on the following conditions.
   Corresponding refrigerant piping length: ·5· m
   Level difference: ·0
   Air flow rate High

**4D132631**

**Daikin Europe N.V.** Naamloze Vennootschap · Zandvoordestraat 300 · 8400 Oostende · Belgium · www.daikin.eu · BE 0412 120 336 · RPR Oostende (Responsible Editor)

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