

8HP

Heating mode:

| Information requirements for heat pumps | | | | | | | | |
|---|---------------|-------|----------------------------------|--|---|--------------|-------|-------------------|
| Model(s): MVi-252WV2RN1(B) | | | | | | | | |
| Test matching indoor units form, no-duct: 2×MIH45Q4N18+MIH80Q4N18+MIH90Q4N18 | | | | | | | | |
| Outdoor side heat exchanger of air conditioner: air | | | | | | | | |
| Indoor side heat exchanger of air conditioner: air | | | | | | | | |
| If the heater is equipped with a supplementary heater: no | | | | | | | | |
| Driver of compressor: electric motor | | | | | | | | |
| Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional. | | | | | | | | |
| Item | Symbol | Value | Unit | | Item | Symbol | Value | Unit |
| Rated heating capacity | $P_{rated,h}$ | 25.20 | kW | | Seasonal space heating energy efficiency | $\eta_{s,h}$ | 163.0 | % |
| Declared heating capacity for part load at indoor temperature 20°C and outdoor temperatures T_j | | | | | Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j | | | |
| $T_j=-7^\circ\text{C}$ | P_{dh} | 12.12 | kW | | $T_j=-7^\circ\text{C}$ | COP_d | 2.92 | -- |
| $T_j=+2^\circ\text{C}$ | P_{dh} | 7.38 | kW | | $T_j=+2^\circ\text{C}$ | COP_d | 3.66 | -- |
| $T_j=+7^\circ\text{C}$ | P_{dh} | 4.74 | kW | | $T_j=+7^\circ\text{C}$ | COP_d | 5.90 | -- |
| $T_j=+12^\circ\text{C}$ | P_{dh} | 4.92 | kW | | $T_j=+12^\circ\text{C}$ | COP_d | 8.60 | |
| T_{biv} =bivalent temperature | P_{dh} | 13.70 | kW | | T_{biv} =bivalent temperature | COP_d | 2.35 | -- |
| T_{OL} =operation temperature | P_{dh} | 13.70 | kW | | T_{OL} =operation temperature | COP_d | 2.35 | -- |
| Bivalent temperature | T_{biv} | -10 | °C | | | | | |
| Degradation coefficient for heat pumps(**) | | | | | | | | |
| | C_{dh} | 0.25 | -- | | Supplementary heater | | | |
| Power consumption in modes other than "active mode" | | | | | Back-up heating capacity(*) | | | |
| Off mode | P_{OFF} | 0.005 | kW | | | e_{lbu} | 0.04 | kW |
| Thermosat-off mode | P_{TO} | 0.005 | kW | | Type of energy input | | | |
| Crankcase heater mode | P_{CK} | 0.04 | kW | | Standby mode | PSB | 0.005 | kW |
| Other items | | | | | | | | |
| Capacity control | variable | | | | For air-to-air heat pump: air flow rate, outdoor measured | -- | 11800 | m ³ /h |
| Sound power level,outdoor | L_{WA} | 76 | dB | | | | | |
| GWP of the refrigerant | | 2088 | kg CO ₂ eq (100years) | | | | | |
| Contact details | | | | | | | | |
| (*) | | | | | | | | |
| (**)If C_{dh} is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25. | | | | | | | | |
| Where information relates to multi-split heat pumps, xthe test result and performance data may be obtained on the basis of performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer. | | | | | | | | |

10HP

Cooling mode:

| Information requirements for air-to-air conditioners | | | | | | | |
|--|---------------|-------|----------------------------------|---|--------------|-------|-----------------------|
| Model(s): MVi-280WV2RN1(B) | | | | | | | |
| Test matching indoor units form, no)-duct: MIH45Q4N18 + 3×MIH80Q4N18 | | | | | | | |
| Outdoor side heat exchanger of air conditioner: air | | | | | | | |
| Indoor side heat exchanger of air conditioner: air | | | | | | | |
| Type: compressor driven | | | | | | | |
| Driver of compressor: electric motor | | | | | | | |
| Item | Symbol | Value | Unit | Item | Symbol | Value | Unit |
| Rated cooling capacity | $P_{rated,c}$ | 28.00 | kW | Seasonal space cooling energy efficiency | $\eta_{s,c}$ | 279.0 | % |
| Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27/19°C (dry/wet bulb) | | | | Declared energy efficiency ratio or gas utilisation efficiency /auxiliary energy factor for part load at given outdoor temperatures T_j | | | |
| $T_j=+35^\circ\text{C}$ | P_{dc} | 28.00 | kW | $T_j=+35^\circ\text{C}$ | EER_d | 3.09 | -- |
| $T_j=+30^\circ\text{C}$ | P_{dc} | 20.63 | kW | $T_j=+30^\circ\text{C}$ | EER_d | 4.80 | -- |
| $T_j=+25^\circ\text{C}$ | P_{dc} | 13.26 | kW | $T_j=+25^\circ\text{C}$ | EER_d | 8.34 | -- |
| $T_j=+20^\circ\text{C}$ | P_{dc} | 8.96 | kW | $T_j=+20^\circ\text{C}$ | EER_d | 14.60 | -- |
| Degradation coefficient for air conditioners(*) | | | | | | | |
| | C_{dc} | 0.25 | -- | | | | |
| Power consumption in modes other than "active mode" | | | | | | | |
| Off mode | P_{OFF} | 0.005 | kW | Crankcase heater mode | P_{ck} | 0.04 | kW |
| Thermosat-off mode | P_{TO} | 0.005 | kW | Standby mode | P_{sb} | 0.005 | kW |
| Other items | | | | | | | |
| Capacity control | variable | | | For air-to-air air conditioner: air flow rate, outdoor measured | -- | 12500 | m^3/h |
| Sound power level, outdoor | LWA | 79 | dB | | | | |
| GWP of the refrigerant | | 2088 | kg CO ₂ eq (100years) | | | | |
| Contact details | | | | | | | |
| (*)If C_{dc} is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25. | | | | | | | |
| Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer. | | | | | | | |

10HP

Heating mode:

| Information requirements for heat pumps | | | | | | | |
|---|---------------|-------|----------------------------------|---|--------------|-------|-------------------|
| Model(s): MVi-280WV2RN1(B) | | | | | | | |
| Test matching indoor units form, no-duct: MIH45Q4N18 + 3×MIH80Q4N18 | | | | | | | |
| Outdoor side heat exchanger of air conditioner: air | | | | | | | |
| Indoor side heat exchanger of air conditioner: air | | | | | | | |
| If the heater is equipped with a supplementary heater: no | | | | | | | |
| Driver of compressor: electric motor | | | | | | | |
| Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional. | | | | | | | |
| Item | Symbol | Value | Unit | Item | Symbol | Value | Unit |
| Rated heating capacity | $P_{rated,h}$ | 28.00 | kW | Seasonal space heating energy efficiency | $\eta_{s,h}$ | 161.4 | % |
| Declared heating capacity for part load at indoor temperature 20°C and outdoor temperatures T_j | | | | Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j | | | |
| $T_j=-7^\circ\text{C}$ | P_{dh} | 14.16 | kW | $T_j=-7^\circ\text{C}$ | COP_d | 2.85 | -- |
| $T_j=+2^\circ\text{C}$ | P_{dh} | 8.62 | kW | $T_j=+2^\circ\text{C}$ | COP_d | 4.02 | -- |
| $T_j=+7^\circ\text{C}$ | P_{dh} | 5.54 | kW | $T_j=+7^\circ\text{C}$ | COP_d | 4.91 | -- |
| $T_j=+12^\circ\text{C}$ | P_{dh} | 5.19 | kW | $T_j=+12^\circ\text{C}$ | COP_d | 7.12 | -- |
| T_{biv} =bivalent temperature | P_{dh} | 16.00 | kW | T_{biv} =bivalent temperature | COP_d | 2.28 | -- |
| T_{OL} =operation temperature | P_{dh} | 16.00 | kW | T_{OL} =operation temperature | COP_d | 2.28 | -- |
| Bivalent temperature | T_{biv} | -10 | °C | | | | |
| | | | | | | | |
| Degradation coefficient for heat pumps(**) | C_{dh} | 0.25 | -- | | | | |
| Power consumption in modes other than "active mode" | | | | Supplementary heater | | | |
| Off mode | P_{OFF} | 0.005 | kW | Back-up heating capacity(*) | e_{lbu} | 0.04 | kW |
| Thermosat-off mode | P_{TO} | 0.005 | kW | Type of energy input | | | |
| Crankcase heater mode | P_{CK} | 0.04 | kW | Standby mode | PSB | 0.005 | kW |
| Other items | | | | | | | |
| Capacity control | variable | | | For air-to-air heat pump: air flow rate, outdoor measured | -- | 12500 | m ³ /h |
| Sound power level,outdoor | LWA | 79 | dB | | | | |
| GWP of the refrigerant | | 2088 | kg CO ₂ eq (100years) | | | | |
| Contact details | | | | | | | |
| (*) | | | | | | | |
| (**)If C_{dh} is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25. | | | | | | | |
| Where information relates to multi-split heat pumps, xthe test result and performance data may be obtained on the basis of performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer. | | | | | | | |

12HP

Cooling mode:

| Information requirements for air-to-air conditioners | | | | | | | |
|--|---------------|-------|----------------------------------|---|--------------|-------|-------------------|
| Model(s): MVi-335WV2RN1(B) | | | | | | | |
| Test matching indoor units form, no-duct: 4×MIH45Q4N18 + 2×MIH80Q4N18 | | | | | | | |
| Outdoor side heat exchanger of air conditioner: air | | | | | | | |
| Indoor side heat exchanger of air conditioner: air | | | | | | | |
| Type: compressor driven | | | | | | | |
| Driver of compressor: electric motor | | | | | | | |
| Item | Symbol | Value | Unit | Item | Symbol | Value | Unit |
| Rated cooling capacity | $P_{rated,c}$ | 33.50 | kW | Seasonal space cooling energy efficiency | $\eta_{s,c}$ | 273.4 | % |
| Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27/19°C (dry/wet bulb) | | | | Declared energy efficiency ratio or gas utilisation efficiency /auxiliary energy factor for part load at given outdoor temperatures T_j | | | |
| $T_j=+35^\circ\text{C}$ | P_{dc} | 33.50 | kW | $T_j=+35^\circ\text{C}$ | EER_d | 2.90 | -- |
| $T_j=+30^\circ\text{C}$ | P_{dc} | 24.68 | kW | $T_j=+30^\circ\text{C}$ | EER_d | 5.19 | -- |
| $T_j=+25^\circ\text{C}$ | P_{dc} | 15.86 | kW | $T_j=+25^\circ\text{C}$ | EER_d | 7.54 | -- |
| $T_j=+20^\circ\text{C}$ | P_{dc} | 8.62 | kW | $T_j=+20^\circ\text{C}$ | EER_d | 14.10 | -- |
| Degradation coefficient for air conditioners(*) | | | | | | | |
| | C_{dc} | 0.25 | -- | | | | |
| Power consumption in modes other than "active mode" | | | | | | | |
| Off mode | P_{OFF} | 0.005 | kW | Crankcase heater mode | P_{CK} | 0.04 | kW |
| Thermosat-off mode | P_{TO} | 0.005 | kW | Standby mode | P_{SB} | 0.005 | kW |
| Other items | | | | | | | |
| Capacity control | variable | | | For air-to-air air conditioner: air flow rate, outdoor measured | -- | 12500 | m ³ /h |
| Sound power level, outdoor | LWA | 82 | dB | | | | |
| GWP of the refrigerant | | 2088 | kg CO ₂ eq (100years) | | | | |
| Contact details | | | | | | | |
| (*)If C_{dc} is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25. | | | | | | | |
| Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer. | | | | | | | |

12HP

Heating mode:

| Information requirements for heat pumps | | | | | | | | |
|---|---------------|-------|----------------------------------|--|---|--------------|-------|-------------------|
| Model(s): MVi-335WV2RN1(B) | | | | | | | | |
| Test matching indoor units form, no-duct: 4×MIH45Q4N18 + 2×MIH80Q4N18 | | | | | | | | |
| Outdoor side heat exchanger of air conditioner: air | | | | | | | | |
| Indoor side heat exchanger of air conditioner: air | | | | | | | | |
| If the heater is equipped with a supplementary heater: no | | | | | | | | |
| Driver of compressor: electric motor | | | | | | | | |
| Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional. | | | | | | | | |
| Item | Symbol | Value | Unit | | Item | Symbol | Value | Unit |
| Rated heating capacity | $P_{rated,h}$ | 33.50 | kW | | Seasonal space heating energy efficiency | $\eta_{s,h}$ | 161.4 | % |
| Declared heating capacity for part load at indoor temperature 20°C and outdoor temperatures T_j | | | | | Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j | | | |
| $T_j=-7^\circ\text{C}$ | P_{dh} | 16.24 | kW | | $T_j=-7^\circ\text{C}$ | COP_d | 2.48 | -- |
| $T_j=+2^\circ\text{C}$ | P_{dh} | 9.89 | kW | | $T_j=+2^\circ\text{C}$ | COP_d | 4.15 | -- |
| $T_j=+7^\circ\text{C}$ | P_{dh} | 6.36 | kW | | $T_j=+7^\circ\text{C}$ | COP_d | 4.95 | -- |
| $T_j=+12^\circ\text{C}$ | P_{dh} | 5.03 | kW | | $T_j=+12^\circ\text{C}$ | COP_d | 7.62 | -- |
| T_{biv} =bivalent temperature | P_{dh} | 18.37 | kW | | T_{biv} =bivalent temperature | COP_d | 2.27 | -- |
| T_{OL} =operation temperature | P_{dh} | 18.37 | kW | | T_{OL} =operation temperature | COP_d | 2.27 | -- |
| Bivalent temperature | T_{biv} | -10 | °C | | | | | |
| Degradation coefficient for heat pumps(**) | | | | | | | | |
| | C_{dh} | 0.25 | -- | | Supplementary heater | | | |
| Power consumption in modes other than "active mode" | | | | | Back-up heating capacity(*) | | | |
| Off mode | P_{OFF} | 0.005 | kW | | elbu | 0.04 | kW | |
| Thermosat-off mode | P_{TO} | 0.005 | kW | | Type of energy input | | | |
| Crankcase heater mode | P_{CK} | 0.04 | kW | | Standby mode | P_{SB} | 0.005 | kW |
| Other items | | | | | | | | |
| Capacity control | variable | | | | For air-to-air heat pump: air flow rate, outdoor measured | -- | 12500 | m ³ /h |
| Sound power level,outdoor | L_{wa} | 81 | dB | | | | | |
| GWP of the refrigerant | | 2088 | kg CO ₂ eq (100years) | | | | | |
| Contact details | | | | | | | | |
| (*) | | | | | | | | |
| (**)If C_{dh} is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25. | | | | | | | | |
| Where information relates to multi-split heat pumps, xthe test result and performance data may be obtained on the basis of performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer. | | | | | | | | |

14HP

Cooling mode:

| Information requirements for air-to-air conditioners | | | | | | | |
|--|---------------|-------|----------------------------------|---|--------------|-------|-------------------|
| Model(s):MVi-400WV2RN1(A) | | | | | | | |
| Test matching indoor units form, cassette: 2×MIH45Q4N18 + 4×MIH80Q4N18 | | | | | | | |
| Outdoor side heat exchanger of air conditioner: air | | | | | | | |
| Indoor side heat exchanger of air conditioner: air | | | | | | | |
| Type: compressor driven | | | | | | | |
| Driver of compressor: electric motor | | | | | | | |
| Item | Symbol | Value | Unit | Item | Symbol | Value | Unit |
| Rated cooling capacity | $P_{rated,c}$ | 40.00 | kW | Seasonal space cooling energy efficiency | $\eta_{s,c}$ | 263.0 | % |
| Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27/19°C (dry/wet bulb) | | | | Declared energy efficiency ratio or gas utilisation efficiency /auxiliary energy factor for part load at given outdoor temperatures T_j | | | |
| $T_j=+35^\circ\text{C}$ | P_{dc} | 40.00 | kW | $T_j=+35^\circ\text{C}$ | EER_d | 2.54 | -- |
| $T_j=+30^\circ\text{C}$ | P_{dc} | 29.48 | kW | $T_j=+30^\circ\text{C}$ | EER_d | 4.36 | -- |
| $T_j=+25^\circ\text{C}$ | P_{dc} | 18.95 | kW | $T_j=+25^\circ\text{C}$ | EER_d | 8.21 | -- |
| $T_j=+20^\circ\text{C}$ | P_{dc} | 7.88 | kW | $T_j=+20^\circ\text{C}$ | EER_d | 13.60 | -- |
| Degradation co-efficient for air conditioners(*) | | | | | | | |
| | C_{dc} | 0.25 | -- | | | | |
| Power consumption in modes other than "active mode" | | | | | | | |
| Off mode | P_{OFF} | 0.005 | kW | Crankcase heater mode | P_{CK} | 0.04 | kW |
| Thermosat-off mode | P_{TO} | 0.005 | kW | Standby mode | P_{SB} | 0.005 | kW |
| Other items | | | | | | | |
| Capacity control | variable | | | For air-to-air air conditioner: air flow rate, outdoor measured | -- | 12500 | m ³ /h |
| Sound power level, outdoor | L_{WA} | 82 | dB | | | | |
| GWP of the refrigerant | | 2088 | kg CO ₂ eq (100years) | | | | |
| Contact details | | | | | | | |
| (*)If C_{dc} is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25. | | | | | | | |
| Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer. | | | | | | | |

14HP

Heating mode:

| Information requirements for heat pumps | | | | | | | | |
|---|---------------|-------|----------------------------------|---|---|--------------|-------|-------------------|
| Model(s):MVi-400WV2RN1(A) | | | | | | | | |
| Test matching indoor units form, cassette: 2×MIH45Q4N18 + 4×MIH80Q4N18 | | | | | | | | |
| Outdoor side heat exchanger of air conditioner: air | | | | | | | | |
| Indoor side heat exchanger of air conditioner: air | | | | | | | | |
| If the heater is equipped with a supplementary heater: no | | | | | | | | |
| Driver of compressor: electric motor | | | | | | | | |
| Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional. | | | | | | | | |
| Item | Symbol | Value | Unit | | Item | Symbol | Value | Unit |
| Rated heating capacity | $P_{rated,h}$ | 40.00 | kW | | Seasonal space heating energy efficiency | $\eta_{s,h}$ | 163.0 | % |
| Declared heating capacity for part load at indoor temperature 20°C and outdoor temperatures T_j | | | | Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j | | | | |
| $T_j=-7^\circ\text{C}$ | P_{dh} | 19.47 | kW | | $T_j=-7^\circ\text{C}$ | COP_d | 2.51 | -- |
| $T_j=+2^\circ\text{C}$ | P_{dh} | 11.85 | kW | | $T_j=+2^\circ\text{C}$ | COP_d | 4.19 | -- |
| $T_j=+7^\circ\text{C}$ | P_{dh} | 7.62 | kW | | $T_j=+7^\circ\text{C}$ | COP_d | 4.98 | -- |
| $T_j=+12^\circ\text{C}$ | P_{dh} | 4.65 | kW | | $T_j=+12^\circ\text{C}$ | COP_d | 7.31 | -- |
| T_{biv} =bivalent temperature | P_{dh} | 22.01 | kW | | T_{biv} =bivalent temperature | COP_d | 2.52 | -- |
| T_{OL} =operation temperature | P_{dh} | 22.01 | kW | | T_{OL} =operation temperature | COP_d | 2.52 | -- |
| Bivalent temperature | T_{biv} | -10 | °C | | | | | |
| Degradation coefficient for heat pumps(**) | | | | | | | | |
| | C_{dh} | 0.25 | -- | | Supplementary heater | | | |
| Power consumption in modes other than "active mode" | | | | Supplementary heater | | | | |
| Off mode | P_{OFF} | 0.005 | kW | | Back-up heating capacity(*) | e_{lbu} | 0.04 | kW |
| Thermosat-off mode | P_{TO} | 0.005 | kW | | Type of energy input | | | |
| Crankcase heater mode | P_{CK} | 0.04 | kW | | Standby mode | PSB | 0.005 | kW |
| Other items | | | | | | | | |
| Capacity control | variable | | | | For air-to-air heat pump: air flow rate, outdoor measured | -- | 12500 | m ³ /h |
| Sound power level,outdoor | L_{WA} | 82 | dB | | | | | |
| GWP of the refrigerant | | 2088 | kg CO ₂ eq (100years) | | | | | |
| Contact details | | | | | | | | |
| (*) | | | | | | | | |
| (**)If C_{dh} is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25. | | | | | | | | |
| Where information relates to multi-split heat pumps, xthe test result and performance data may be obtained on the basis of performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer. | | | | | | | | |

16HP

Cooling mode:

| Information requirements for air-to-air conditioners | | | | | | | |
|--|---------------|-------|----------------------------------|---|--------------|-------|-----------------------|
| Model(s): MVi-450WV2RN1(A) | | | | | | | |
| Test matching indoor units form, cassette: MIH56Q4N18 + 4×MIH80Q4N18 + MIH90Q4N18 | | | | | | | |
| Outdoor side heat exchanger of air conditioner: air | | | | | | | |
| Indoor side heat exchanger of air conditioner: air | | | | | | | |
| Type: compressor driven | | | | | | | |
| Driver of compressor: electric motor | | | | | | | |
| Item | Symbol | Value | Unit | Item | Symbol | Value | Unit |
| Rated cooling capacity | $P_{rated,c}$ | 45.00 | kW | Seasonal space cooling energy efficiency | $\eta_{s,c}$ | 267.8 | % |
| Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27/19°C (dry/wet bulb) | | | | Declared energy efficiency ratio or gas utilisation efficiency /auxiliary energy factor for part load at given outdoor temperatures T_j | | | |
| $T_j=+35^\circ\text{C}$ | P_{dc} | 45.00 | kW | $T_j=+35^\circ\text{C}$ | EER_d | 2.82 | -- |
| $T_j=+30^\circ\text{C}$ | P_{dc} | 33.17 | kW | $T_j=+30^\circ\text{C}$ | EER_d | 4.47 | -- |
| $T_j=+25^\circ\text{C}$ | P_{dc} | 21.31 | kW | $T_j=+25^\circ\text{C}$ | EER_d | 7.91 | -- |
| $T_j=+20^\circ\text{C}$ | P_{dc} | 9.46 | kW | $T_j=+20^\circ\text{C}$ | EER_d | 14.20 | -- |
| Degradation coefficient for air conditioners(*) | | | | | | | |
| | C_{dc} | 0.25 | -- | | | | |
| Power consumption in modes other than "active mode" | | | | | | | |
| Off mode | P_{OFF} | 0.005 | kW | Crankcase heater mode | P_{ck} | 0.04 | kW |
| Thermosat-off mode | P_{TO} | 0.005 | kW | Standby mode | P_{sb} | 0.005 | kW |
| Other items | | | | | | | |
| Capacity control | variable | | | For air-to-air air conditioner: air flow rate, outdoor measured | -- | 18500 | m^3/h |
| Sound power level, outdoor | LWA | 86 | dB | | | | |
| GWP of the refrigerant | | 2088 | kg CO ₂ eq (100years) | | | | |
| Contact details | | | | | | | |
| (*)If C_{dc} is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25. | | | | | | | |
| Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer. | | | | | | | |

16HP

Heating mode:

| Information requirements for heat pumps | | | | | | | |
|---|---------------|-------|----------------------------------|---|--------------|-------|-------------------|
| Model(s): MVi-450WV2RN1(A) | | | | | | | |
| Test matching indoor units form, cassette: MIH56Q4N18 + 4×MIH80Q4N18 + MIH90Q4N18 | | | | | | | |
| Outdoor side heat exchanger of air conditioner: air | | | | | | | |
| Indoor side heat exchanger of air conditioner: air | | | | | | | |
| If the heater is equipped with a supplementary heater: no | | | | | | | |
| Driver of compressor: electric motor | | | | | | | |
| Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional. | | | | | | | |
| Item | Symbol | Value | Unit | Item | Symbol | Value | Unit |
| Rated heating capacity | $P_{rated,h}$ | 45.00 | kW | Seasonal space heating energy efficiency | $\eta_{s,h}$ | 166.2 | % |
| Declared heating capacity for part load at indoor temperature 20°C and outdoor temperatures T_j | | | | Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j | | | |
| $T_j=-7^\circ\text{C}$ | P_{dh} | 21.88 | kW | $T_j=-7^\circ\text{C}$ | COP_d | 2.68 | -- |
| $T_j=+2^\circ\text{C}$ | P_{dh} | 13.32 | kW | $T_j=+2^\circ\text{C}$ | COP_d | 4.29 | -- |
| $T_j=+7^\circ\text{C}$ | P_{dh} | 8.57 | kW | $T_j=+7^\circ\text{C}$ | COP_d | 5.13 | -- |
| $T_j=+12^\circ\text{C}$ | P_{dh} | 7.39 | kW | $T_j=+12^\circ\text{C}$ | COP_d | 6.96 | -- |
| T_{biv} =bivalent temperature | P_{dh} | 24.74 | kW | T_{biv} =bivalent temperature | COP_d | 2.08 | -- |
| T_{OL} =operation temperature | P_{dh} | 24.74 | kW | T_{OL} =operation temperature | COP_d | 2.08 | -- |
| Bivalent temperature | T_{biv} | -10 | °C | | | | |
| Degradation coefficient for heat pumps(**) | | | | | | | |
| | C_{dh} | 0.25 | -- | | | | |
| Power consumption in modes other than "active mode" | | | | Supplementary heater | | | |
| Off mode | P_{OFF} | 0.005 | kW | Back-up heating capacity(*) | el_{bu} | 0.04 | kW |
| Thermosat-off mode | P_{TO} | 0.005 | kW | Type of energy input | | | |
| Crankcase heater mode | P_{CK} | 0.04 | kW | Standby mode | PSB | 0.005 | kW |
| Other items | | | | | | | |
| Capacity control | variable | | | For air-to-air heat pump: air flow rate, outdoor measured | -- | 18500 | m ³ /h |
| Sound power level,outdoor | L_{WA} | 86 | dB | | | | |
| GWP of the refrigerant | | 2088 | kg CO ₂ eq (100years) | | | | |
| Contact details | | | | | | | |
| (*) | | | | | | | |
| (**)If C_{dh} is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25. | | | | | | | |
| Where information relates to multi-split heat pumps, xthe test result and performance data may be obtained on the basis of performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer. | | | | | | | |

18HP

Cooling mode:

| Information requirements for air-to-air conditioners | | | | | | | |
|--|---------------|-------|----------------------------------|---|--------------|-------|-----------------------|
| Model(s): MVi-500WV2RN1(A) | | | | | | | |
| Test matching indoor units form, cassette: 4×MIH45Q4N18 + 4×MIH80Q4N18 | | | | | | | |
| Outdoor side heat exchanger of air conditioner: air | | | | | | | |
| Indoor side heat exchanger of air conditioner: air | | | | | | | |
| Type: compressor driven | | | | | | | |
| Driver of compressor: electric motor | | | | | | | |
| Item | Symbol | Value | Unit | Item | Symbol | Value | Unit |
| Rated cooling capacity | $P_{rated,c}$ | 50.00 | kW | Seasonal space cooling energy efficiency | $\eta_{s,c}$ | 255.8 | % |
| Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27/19°C (dry/wet bulb) | | | | Declared energy efficiency ratio or gas utilisation efficiency /auxiliary energy factor for part load at given outdoor temperatures T_j | | | |
| $T_j=+35^\circ\text{C}$ | P_{dc} | 50.00 | kW | $T_j=+35^\circ\text{C}$ | EER_d | 2.57 | -- |
| $T_j=+30^\circ\text{C}$ | P_{dc} | 37.12 | kW | $T_j=+30^\circ\text{C}$ | EER_d | 4.19 | -- |
| $T_j=+25^\circ\text{C}$ | P_{dc} | 23.89 | kW | $T_j=+25^\circ\text{C}$ | EER_d | 7.78 | -- |
| $T_j=+20^\circ\text{C}$ | P_{dc} | 10.61 | kW | $T_j=+20^\circ\text{C}$ | EER_d | 13.80 | -- |
| Degradation coefficient for air conditioners(*) | | | | | | | |
| | C_{dc} | 0.25 | -- | | | | |
| Power consumption in modes other than "active mode" | | | | | | | |
| Off mode | P_{OFF} | 0.005 | kW | Crankcase heater mode | P_{ck} | 0.04 | kW |
| Thermosat-off mode | P_{TO} | 0.005 | kW | Standby mode | P_{sb} | 0.005 | kW |
| Other items | | | | | | | |
| Capacity control | variable | | | For air-to-air air conditioner: air flow rate, outdoor measured | -- | 20000 | m^3/h |
| Sound power level, outdoor | LWA | 88 | dB | | | | |
| GWP of the refrigerant | | 2088 | kg CO ₂ eq (100years) | | | | |
| Contact details | | | | | | | |
| (*)If C_{dc} is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25. | | | | | | | |
| Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer. | | | | | | | |

18HP

Heating mode:

| Information requirements for heat pumps | | | | | | | | |
|---|---------------|-------|----------------------------------|--|---|--------------|-------|-------------------|
| Model(s): MVi-500WV2RN1(A) | | | | | | | | |
| Test matching indoor units form, cassette: 4×MIH45Q4N18 + 4×MIH80Q4N18 | | | | | | | | |
| Outdoor side heat exchanger of air conditioner: air | | | | | | | | |
| Indoor side heat exchanger of air conditioner: air | | | | | | | | |
| If the heater is equipped with a supplementary heater: no | | | | | | | | |
| Driver of compressor: electric motor | | | | | | | | |
| Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional. | | | | | | | | |
| Item | Symbol | Value | Unit | | Item | Symbol | Value | Unit |
| Rated heating capacity | $P_{rated,h}$ | 50.00 | kW | | Seasonal space heating energy efficiency | $\eta_{s,h}$ | 163.8 | % |
| Declared heating capacity for part load at indoor temperature 20°C and outdoor temperatures T_j | | | | | Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j | | | |
| $T_j=-7^\circ\text{C}$ | P_{dh} | 26.43 | kW | | $T_j=-7^\circ\text{C}$ | COP_d | 2.62 | -- |
| $T_j=+2^\circ\text{C}$ | P_{dh} | 16.46 | kW | | $T_j=+2^\circ\text{C}$ | COP_d | 4.23 | -- |
| $T_j=+7^\circ\text{C}$ | P_{dh} | 9.51 | kW | | $T_j=+7^\circ\text{C}$ | COP_d | 5.53 | -- |
| $T_j=+12^\circ\text{C}$ | P_{dh} | 7.50 | kW | | $T_j=+12^\circ\text{C}$ | COP_d | 6.12 | -- |
| T_{biv} =bivalent temperature | P_{dh} | 27.50 | kW | | T_{biv} =bivalent temperature | COP_d | 2.13 | -- |
| T_{OL} =operation temperature | P_{dh} | 27.50 | kW | | T_{OL} =operation temperature | COP_d | 2.13 | -- |
| Bivalent temperature | T_{biv} | -10 | °C | | | | | |
| Degradation coefficient for heat pumps(**) | | | | | | | | |
| | C_{dh} | 0.25 | -- | | Supplementary heater | | | |
| Power consumption in modes other than "active mode" | | | | | Back-up heating capacity(*) | | | |
| Off mode | P_{OFF} | 0.005 | kW | | elbu | 0.04 | kW | |
| Thermosat-off mode | P_{TO} | 0.005 | kW | | Type of energy input | | | |
| Crankcase heater mode | P_{CK} | 0.04 | kW | | Standby mode | PSB | 0.005 | kW |
| Other items | | | | | | | | |
| Capacity control | variable | | | | For air-to-air heat pump: air flow rate, outdoor measured | -- | 20000 | m ³ /h |
| Sound power level,outdoor | LWA | 88 | dB | | | | | |
| GWP of the refrigerant | | 2088 | kg CO ₂ eq (100years) | | | | | |
| Contact details | | | | | | | | |
| (*) | | | | | | | | |
| (**)If C_{dh} is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25. | | | | | | | | |
| Where information relates to multi-split heat pumps, xthe test result and performance data may be obtained on the basis of performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer. | | | | | | | | |

20HP

Cooling mode:

| Information requirements for air-to-air conditioners | | | | | | | |
|--|---------------|-------|----------------------------------|---|--------------|-------|-------------------|
| Model(s): MVi-560WV2RN1(A) | | | | | | | |
| Test matching indoor units form, cassette: 2×MIH45Q4N18 + 6×MIH80Q4N18 | | | | | | | |
| Outdoor side heat exchanger of air conditioner: air | | | | | | | |
| Indoor side heat exchanger of air conditioner: air | | | | | | | |
| Type: compressor driven | | | | | | | |
| Driver of compressor: electric motor | | | | | | | |
| Item | Symbol | Value | Unit | Item | Symbol | Value | Unit |
| Rated cooling capacity | $P_{rated,c}$ | 56.00 | kW | Seasonal space cooling energy efficiency | $\eta_{s,c}$ | 249.0 | % |
| Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27/19°C (dry/wet bulb) | | | | Declared energy efficiency ratio or gas utilisation efficiency /auxiliary energy factor for part load at given outdoor temperatures T_j | | | |
| $T_j=+35^\circ\text{C}$ | P_{dc} | 56.00 | kW | $T_j=+35^\circ\text{C}$ | EER_d | 2.45 | -- |
| $T_j=+30^\circ\text{C}$ | P_{dc} | 40.04 | kW | $T_j=+30^\circ\text{C}$ | EER_d | 4.10 | -- |
| $T_j=+25^\circ\text{C}$ | P_{dc} | 25.74 | kW | $T_j=+25^\circ\text{C}$ | EER_d | 7.64 | -- |
| $T_j=+20^\circ\text{C}$ | P_{dc} | 12.26 | kW | $T_j=+20^\circ\text{C}$ | EER_d | 13.60 | -- |
| Degradation coefficient for air conditioners(*) | | | | | | | |
| | C_{dc} | | -- | | | | |
| Power consumption in modes other than "active mode" | | | | | | | |
| Off mode | P_{OFF} | 0.005 | kW | Crankcase heater mode | P_{ck} | 0.04 | kW |
| Thermosat-off mode | P_{TO} | 0.005 | kW | Standby mode | P_{SB} | 0.005 | kW |
| Other items | | | | | | | |
| Capacity control | variable | | | For air-to-air air conditioner: air flow rate, outdoor measured | -- | 18500 | m ³ /h |
| Sound power level, outdoor | LWA | 89 | dB | | | | |
| GWP of the refrigerant | | 2088 | kg CO ₂ eq (100years) | | | | |
| Contact details | | | | | | | |
| (*)If C_{dc} is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25. | | | | | | | |
| Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer. | | | | | | | |

20HP

Heating mode:

| Information requirements for heat pumps | | | | | | | |
|--|---------------|-------|----------------------------------|---|--------------|-------|-------------------|
| Model(s): MVi-560WV2RN1(A) | | | | | | | |
| Test matching indoor units form, cassette: 2×MIH45Q4N18 + 6×MIH80Q4N18 | | | | | | | |
| Outdoor side heat exchanger of air conditioner: air | | | | | | | |
| Indoor side heat exchanger of air conditioner: air | | | | | | | |
| If the heater is equipped with a supplementary heater: no | | | | | | | |
| Driver of compressor: electric motor | | | | | | | |
| Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional. | | | | | | | |
| Item | Symbol | Value | Unit | Item | Symbol | Value | Unit |
| Rated heating capacity | $P_{rated,h}$ | 56.00 | kW | Seasonal space heating energy efficiency | $\eta_{s,h}$ | 159.8 | % |
| Declared heating capacity for part load at indoor temperature 20°C and outdoor temperatures T_j | | | | Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j | | | |
| $T_j=-7^\circ\text{C}$ | P_{dh} | 30.51 | kW | $T_j=-7^\circ\text{C}$ | COP_d | 2.57 | -- |
| $T_j=+2^\circ\text{C}$ | P_{dh} | 18.58 | kW | $T_j=+2^\circ\text{C}$ | COP_d | 3.59 | -- |
| $T_j=+7^\circ\text{C}$ | P_{dh} | 12.42 | kW | $T_j=+7^\circ\text{C}$ | COP_d | 6.36 | -- |
| $T_j=+12^\circ\text{C}$ | P_{dh} | 10.38 | kW | $T_j=+12^\circ\text{C}$ | COP_d | 8.31 | -- |
| T_{biv} =bivalent temperature | P_{dh} | 30.80 | kW | T_{biv} =bivalent temperature | COP_d | 2.03 | -- |
| T_{OL} =operation temperature | P_{dh} | 30.80 | kW | T_{OL} =operation temperature | COP_d | 2.03 | -- |
| Bivalent temperature | T_{biv} | -10 | °C | | | | |
| Degradation coefficient for heat pumps(**) | C_{dh} | 0.25 | -- | | | | |
| Power consumption in modes other than "active mode" | | | | Supplementary heater | | | |
| Off mode | P_{OFF} | 0.005 | kW | Back-up heating capacity(*) | el_{bu} | 0.04 | kW |
| Thermosat-off mode | P_{TO} | 0.005 | kW | Type of energy input | | | |
| Crankcase heater mode | P_{CK} | 0.04 | kW | Standby mode | P_{SB} | 0.005 | kW |
| Other items | | | | | | | |
| Capacity control | variable | | | For air-to-air heat pump: air flow rate, outdoor measured | -- | 18500 | m ³ /h |
| Sound power level,outdoor | L_{wa} | 89 | dB | | | | |
| GWP of the refrigerant | | 2088 | kg CO ₂ eq (100years) | | | | |
| Contact details | | | | | | | |
| (*) | | | | | | | |
| (**)If C_{dh} is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25. | | | | | | | |
| Where information relates to multi-split heat pumps, the test result and performance data may be obtained on the basis of performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer. | | | | | | | |

22HP

Cooling mode:

| Information requirements for air-to-air conditioners | | | | | | | |
|--|---------------|-------|----------------------------------|---|--------------|-------|-------------------|
| Model(s):MVi-615WV2RN1(A) | | | | | | | |
| Test matching indoor units form, cassette: 8×MIH80Q4N18 | | | | | | | |
| Outdoor side heat exchanger of air conditioner: air | | | | | | | |
| Indoor side heat exchanger of air conditioner: air | | | | | | | |
| Type: compressor driven | | | | | | | |
| Driver of compressor: electric motor | | | | | | | |
| Item | Symbol | Value | Unit | Item | Symbol | Value | Unit |
| Rated cooling capacity | $P_{rated,c}$ | 61.50 | kW | Seasonal space cooling energy efficiency | $\eta_{s,c}$ | 243.0 | % |
| Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27/19°C (dry/wet bulb) | | | | Declared energy efficiency ratio or gas utilisation efficiency /auxiliary energy factor for part load at given outdoor temperatures T_j | | | |
| $T_j=+35^\circ\text{C}$ | P_{dc} | 61.50 | kW | $T_j=+35^\circ\text{C}$ | EER_d | 2.00 | -- |
| $T_j=+30^\circ\text{C}$ | P_{dc} | 43.96 | kW | $T_j=+30^\circ\text{C}$ | EER_d | 4.24 | -- |
| $T_j=+25^\circ\text{C}$ | P_{dc} | 28.27 | kW | $T_j=+25^\circ\text{C}$ | EER_d | 7.60 | -- |
| $T_j=+20^\circ\text{C}$ | P_{dc} | 12.57 | kW | $T_j=+20^\circ\text{C}$ | EER_d | 13.13 | -- |
| Degradation coefficient for air conditioners(*) | | | | | | | |
| | C_{dc} | 0.25 | -- | | | | |
| Power consumption in modes other than "active mode" | | | | | | | |
| Off mode | P_{OFF} | 0.005 | kW | Crankcase heater mode | P_{ck} | 0.04 | kW |
| Thermosat-off mode | P_{TO} | 0.005 | kW | Standby mode | P_{SB} | 0.005 | kW |
| Other items | | | | | | | |
| Capacity control | variable | | | For air-to-air air conditioner: air flow rate, outdoor measured | -- | 19000 | m ³ /h |
| Sound power level, outdoor | LWA | 89 | dB | | | | |
| GWP of the refrigerant | | 2088 | kg CO ₂ eq (100years) | | | | |
| Contact details | | | | | | | |
| (*)If C_{dc} is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25. | | | | | | | |
| Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer. | | | | | | | |

22HP

Heating mode:

| Information requirements for heat pumps | | | | | | | | |
|--|---------------|-------|----------------------------------|--|---|--------------|-------|------|
| Model(s):MVi-615WV2RN1(A) | | | | | | | | |
| Test matching indoor units form, cassette: 8×MIH80Q4N18 | | | | | | | | |
| Outdoor side heat exchanger of air conditioner: air | | | | | | | | |
| Indoor side heat exchanger of air conditioner: air | | | | | | | | |
| If the heater is equipped with a supplementary heater: no | | | | | | | | |
| Driver of compressor: electric motor | | | | | | | | |
| Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional. | | | | | | | | |
| Item | Symbol | Value | Unit | | Item | Symbol | Value | Unit |
| Rated heating capacity | $P_{rated,h}$ | 61.50 | kW | | Seasonal space heating energy efficiency | $\eta_{s,h}$ | 157.0 | % |
| Declared heating capacity for part load at indoor temperature 20°C and outdoor temperatures T_j | | | | | Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T_j | | | |
| $T_j=-7^\circ\text{C}$ | P_{dh} | 32.36 | kW | | $T_j=-7^\circ\text{C}$ | COP_d | 255 | -- |
| $T_j=+2^\circ\text{C}$ | P_{dh} | 19.70 | kW | | $T_j=+2^\circ\text{C}$ | COP_d | 346 | -- |
| $T_j=+7^\circ\text{C}$ | P_{dh} | 12.67 | kW | | $T_j=+7^\circ\text{C}$ | COP_d | 631 | -- |
| $T_j=+12^\circ\text{C}$ | P_{dh} | 10.84 | kW | | $T_j=+12^\circ\text{C}$ | COP_d | 899 | -- |
| T_{biv} =bivalent temperature | P_{dh} | 36.60 | kW | | T_{biv} =bivalent temperature | COP_d | 204 | -- |
| T_{OL} =operation temperature | P_{dh} | 36.60 | kW | | T_{OL} =operation temperature | COP_d | 204 | -- |
| Bivalent temperature | T_{biv} | -10 | °C | | | | | |
| Degradation coefficient for heat pumps(**) | | | | | | | | |
| | C_{dh} | 0.25 | -- | | Supplementary heater | | | |
| Power consumption in modes other than "active mode" | | | | | Back-up heating capacity(*) | | | |
| Off mode | P_{OFF} | 0.005 | kW | | elbu | 0.04 | kW | |
| Thermosat-off mode | P_{TO} | 0.005 | kW | | Type of energy input | | | |
| Crankcase heater mode | P_{CK} | 0.04 | kW | | Standby mode | P_{SB} | 0.005 | kW |
| Other items | | | | | | | | |
| Capacity control | variable | | | | For air-to-air heat pump: air flow rate, outdoor measured | -- | 19000 | m³/h |
| Sound power level,outdoor | L_{wa} | 89 | dB | | | | | |
| GWP of the refrigerant | | 2088 | kg CO ₂ eq (100years) | | | | | |
| Contact details | | | | | | | | |
| (*) | | | | | | | | |
| (**)If C_{dh} is not determined by measurement, then the default degradation coefficient of heat pumps shall be 0.25. | | | | | | | | |
| Where information relates to multi-split heat pumps, the test result and performance data may be obtained on the basis of performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer. | | | | | | | | |