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| Summary of | DE DIETRICH Alezio S R32 6/8 MR & Alezio S Compact R32 6/8 MR | Reg. No. | 21HK0022 / 007- DM0122 |
|------------------------|--|-------------|---------------------------|
| Certificate Holder | - | | |
| Name | BDR Thermea FR (DE DIETRICH) | | |
| Address | 57 rue de la Gare | ZIP | 67580 |
| City | Mertzwiller | Country | France |
| Certification Body | Kiwa Nederland B.V. | | |
| Subtype title | DE DIETRICH Alezio S R32 6/8 MR & Alezio S Compact R32 6/8 MR | | |
| Heat Pump Type | Outdoor Air/Water | | |
| Refrigerant | R32 | | |
| Mass of Refrigerant | 1.2 kg | | |
| Certification Date | 03.12.2021 | | |
| Testing basis | European KEYMARK Scheme for Heat Pumps (v9) | | |



Model: AWHPR 6 MR + MIV-S 4-8/EM R32

| Configure model | | |
|-------------------------------------|-------------------------------|--|
| Model name | AWHPR 6 MR + MIV-S 4-8/EM R32 | |
| Application | Heating (medium temp) | |
| Units | Indoor + Outdoor | |
| Climate Zone | n/a | |
| Reversibility | Yes | |
| Cooling mode application (optional) | +7°C/12°C and +18°C/+23°C | |

| General Data | | |
|--------------|-------------|--|
| Power supply | 1x230V 50Hz | |

Heating

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 1.97 kW |
| СОР | 5.00 | 2.90 |

| EN 14511-4 | |
|--|--------|
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

Cooling





| EN 14511-2 | | |
|------------------|------------|-------------|
| | +7°C/+12°C | +18°C/+23°C |
| El input | 2.10 kW | 1.36 kW |
| Cooling capacity | 6.50 | 7.00 |
| EER | 3.09 | 5.14 |



| EN 14825 | | | | |
|-------------------------------|------------|-------------|--|--|
| | +7°C/+12°C | +18°C/+23°C | | |
| Pdesignc | 6.50 kW | 7.00 kW | | |
| SEER | 4.01 | 6.49 | | |
| Pdc Tj = 35°C | 6.50 kW | 7.00 kW | | |
| EER Tj = 35°C | 3.09 | 5.14 | | |
| Pdc Tj = 30°C | 4.90 kW | 5.39 kW | | |
| EER Tj = 30°C | 3.99 | 6.65 | | |
| Pdc Tj = 25°C | 3.10 kW | 3.32 kW | | |
| EER Tj = 25°C | 4.55 | 4.93 | | |
| Pdc Tj = 20°C | 1.37 kW | 1.78 kW | | |
| EER Tj = 20°C | 3.96 | 12.82 | | |
| Poff | 12 W | 12 W | | |
| РТО | 12 W | 12 W | | |
| PSB | 12 W | 12 W | | |
| PCK | o w | 0 W | | |
| Annual energy consumption Qce | 973 kWh | 647 kWh | | |



| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 33 dB(A) | 33 dB(A) |
| Sound power level outdoor | 58 dB(A) | 58 dB(A) |

| EN 14825 | | | |
|----------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| η_{s} | 178 % | 132 % | |
| Prated | 6.50 kW | 6.00 kW | |
| SCOP | 4.52 | 3.38 | |
| Tbiv | -10 °C | -7 °C | |
| TOL | -10 °C | -10 °C | |
| Pdh Tj = -7°C | 5.90 kW | 5.50 kW | |
| COP Tj = -7°C | 3.16 | 2.22 | |
| Cdh Tj = -7 °C | 0.990 | 0.990 | |
| Pdh Tj = +2°C | 3.50 kW | 3.40 kW | |
| COP Tj = +2°C | 4.48 | 3.37 | |
| Cdh Tj = +2 °C | 0.980 | 0.980 | |
| Pdh Tj = +7°C | 2.25 kW | 2.10 kW | |
| COP Tj = +7°C | 5.61 | 4.07 | |
| Cdh Tj = +7 °C | 0.960 | 0.970 | |



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| Pdh Tj = 12°C | 2.50 kW | 2.50 kW |
|---|----------|----------|
| COP Tj = 12°C | 6.92 | 6.58 |
| Cdh Tj = +12 °C | 0.960 | 0.970 |
| Pdh Tj = Tbiv | 6.60 kW | 5.50 kW |
| COP Tj = Tbiv | 2.68 | 2.22 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.60 kW | 5.30 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.68 | 1.82 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 0.990 |
| WTOL | 60 °C | 60 °C |
| Poff | 12 W | 12 W |
| РТО | 12 W | 12 W |
| PSB | 12 W | 12 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | n/a | n/a |
| Supplementary Heater: PSUP | 0.00 kW | 0.70 kW |
| Annual energy consumption Qhe | 2974 kWh | 3667 kWh |



Model: AWHPR 6 MR + MIV-S 4-8/EM R32 + HPSL180 EVO

| Configure model | | |
|---|---|--|
| Model name | AWHPR 6 MR + MIV-S 4-8/EM R32 + HPSL180 EVO | |
| Application | Heating + DHW + low temp | |
| Units | Indoor + Outdoor | |
| Climate Zone | n/a | |
| Reversibility | Yes | |
| Cooling mode application (optional) +7°C/12°C and +18°C/+23°C | | |

| General Data | | |
|--------------|-------------|--|
| Power supply | 1x230V 50Hz | |

Heating

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 1.97 kW |
| СОР | 5.00 | 2.90 |

| EN 14511-4 | |
|--|--------|
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

Cooling





| EN 14511-2 | | |
|------------------|------------|-------------|
| | +7°C/+12°C | +18°C/+23°C |
| El input | 2.10 kW | 1.36 kW |
| Cooling capacity | 6.50 | 7.00 |
| EER | 3.09 | 5.14 |



| EN 14825 | | | |
|-------------------------------|------------|-------------|--|
| | +7°C/+12°C | +18°C/+23°C | |
| Pdesignc | 6.50 kW | 7.00 kW | |
| SEER | 4.01 | 6.49 | |
| Pdc Tj = 35°C | 6.50 kW | 7.00 kW | |
| EER Tj = 35°C | 3.09 | 5.14 | |
| Pdc Tj = 30°C | 4.90 kW | 5.39 kW | |
| EER Tj = 30°C | 3.99 | 6.65 | |
| Pdc Tj = 25°C | 3.10 kW | 3.32 kW | |
| EER Tj = 25°C | 4.55 | 4.93 | |
| Pdc Tj = 20°C | 1.37 kW | 1.78 kW | |
| EER Tj = 20°C | 3.96 | 12.82 | |
| Poff | 12 W | 12 W | |
| РТО | 12 W | 12 W | |
| PSB | 12 W | 12 W | |
| PCK | 0 W | 0 W | |
| Annual energy consumption Qce | 973 kWh | 647 kWh | |



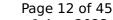
| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 33 dB(A) | 33 dB(A) |
| Sound power level outdoor | 58 dB(A) | 58 dB(A) |

| EN 14825 | | |
|-------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 178 % | 132 % |
| Prated | 6.50 kW | 6.00 kW |
| SCOP | 4.52 | 3.38 |
| Tbiv | -10 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 5.90 kW | 5.50 kW |
| COP Tj = -7°C | 3.16 | 2.22 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = $+2$ °C | 3.50 kW | 3.40 kW |
| COP Tj = +2°C | 4.48 | 3.37 |
| Cdh Tj = +2 °C | 0.980 | 0.980 |
| Pdh Tj = $+7^{\circ}$ C | 2.25 kW | 2.10 kW |
| COP Tj = +7°C | 5.61 | 4.07 |
| Cdh Tj = +7 °C | 0.960 | 0.970 |

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| | | <u> </u> |
|---|----------|----------|
| Pdh Tj = 12°C | 2.50 kW | 2.50 kW |
| COP Tj = 12°C | 6.92 | 6.58 |
| Cdh Tj = +12 °C | 0.960 | 0.970 |
| Pdh Tj = Tbiv | 6.60 kW | 5.50 kW |
| COP Tj = Tbiv | 2.68 | 2.22 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.60 kW | 5.30 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.68 | 1.82 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 0.990 |
| WTOL | 60 °C | 60 °C |
| Poff | 12 W | 12 W |
| PTO | 12 W | 12 W |
| PSB | 12 W | 12 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | n/a | n/a |
| Supplementary Heater: PSUP | 0.00 kW | 0.70 kW |
| Annual energy consumption Qhe | 2974 kWh | 3667 kWh |
| | | |

Domestic Hot Water (DHW)





| EN 16147 | | |
|---------------------------------|-------------|--|
| Declared load profile | M | |
| Efficiency ηDHW | 111 % | |
| СОР | 2.59 | |
| Heating up time | 01:25 h:min | |
| Standby power input | 25.4 W | |
| Reference hot water temperature | 53.1 °C | |
| Mixed water at 40°C | 250 l | |



Model: AWHPR 6 MR + MIV-S 4-8/EM R32 + HPSL180 EVO

| Configure model | | |
|---|--------------------------|--|
| Model name AWHPR 6 MR + MIV-S 4-8/EM R32 + HPSL180 EVO | | |
| Application | Heating + DHW + low temp | |
| Units | Indoor + Outdoor | |
| Climate Zone | n/a | |
| Reversibility Yes | | |
| Cooling mode application (optional) +7°C/12°C and +18°C/+23°C | | |

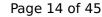
| General Data | | |
|--------------|-------------|--|
| Power supply | 1x230V 50Hz | |

Heating

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 1.97 kW |
| СОР | 5.00 | 2.90 |

| EN 14511-4 | |
|--|--------|
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

Cooling





| EN 14511-2 | | | |
|------------------------|---------|---------|--|
| +7°C/+12°C +18°C/+23°C | | | |
| El input | 2.10 kW | 1.36 kW | |
| Cooling capacity | 6.50 | 7.00 | |
| EER | 3.09 | 5.14 | |



| EN 14825 | | |
|-------------------------------|------------|-------------|
| | +7°C/+12°C | +18°C/+23°C |
| Pdesignc | 6.50 kW | 7.00 kW |
| SEER | 4.01 | 6.49 |
| Pdc Tj = 35°C | 6.50 kW | 7.00 kW |
| EER Tj = 35°C | 3.09 | 5.14 |
| Pdc Tj = 30°C | 4.90 kW | 5.39 kW |
| EER Tj = 30°C | 3.99 | 6.65 |
| Pdc Tj = 25°C | 3.10 kW | 3.32 kW |
| EER Tj = 25°C | 4.55 | 4.93 |
| Pdc Tj = 20°C | 1.37 kW | 1.78 kW |
| EER Tj = 20°C | 3.96 | 12.82 |
| Poff | 12 W | 12 W |
| РТО | 12 W | 12 W |
| PSB | 12 W | 12 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Qce | 973 kWh | 647 kWh |



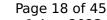
| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 33 dB(A) | 33 dB(A) |
| Sound power level outdoor | 58 dB(A) | 58 dB(A) |

| EN 14825 | | |
|-----------------|--|--|
| Low temperature | Medium temperature | |
| 178 % | 132 % | |
| 6.50 kW | 6.00 kW | |
| 4.52 | 3.38 | |
| -10 °C | -7 °C | |
| -10 °C | -10 °C | |
| 5.90 kW | 5.50 kW | |
| 3.16 | 2.22 | |
| 0.990 | 0.990 | |
| 3.50 kW | 3.40 kW | |
| 4.48 | 3.37 | |
| 0.980 | 0.980 | |
| 2.25 kW | 2.10 kW | |
| 5.61 | 4.07 | |
| 0.960 | 0.970 | |
| | Low temperature 178 % 6.50 kW 4.52 -10 °C -10 °C 5.90 kW 3.16 0.990 3.50 kW 4.48 0.980 2.25 kW 5.61 | |



| This information was general | | |
|---|----------|----------|
| Pdh Tj = 12°C | 2.50 kW | 2.50 kW |
| COP Tj = 12°C | 6.92 | 6.58 |
| Cdh Tj = +12 °C | 0.960 | 0.970 |
| Pdh Tj = Tbiv | 6.60 kW | 5.50 kW |
| COP Tj = Tbiv | 2.68 | 2.22 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.60 kW | 5.30 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.68 | 1.82 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 0.990 |
| WTOL | 60 °C | 60 °C |
| Poff | 12 W | 12 W |
| РТО | 12 W | 12 W |
| PSB | 12 W | 12 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | n/a | n/a |
| Supplementary Heater: PSUP | 0.00 kW | 0.70 kW |
| Annual energy consumption Qhe | 2974 kWh | 3667 kWh |
| | | |

Domestic Hot Water (DHW)





| EN 16147 | | |
|---------------------------------|-------------|--|
| Declared load profile | L | |
| Efficiency ηDHW | 124 % | |
| СОР | 2.98 | |
| Heating up time | 01:25 h:min | |
| Standby power input | 28.1 W | |
| Reference hot water temperature | 53.1 °C | |
| Mixed water at 40°C | 250 I | |



Model: AWHPR 6 MR + MIV-S 4-8/H R32

| Configure model | | |
|---|-----------------------|--|
| Model name AWHPR 6 MR + MIV-S 4-8/H R32 | | |
| Application | Heating (medium temp) | |
| Units | Indoor + Outdoor | |
| Climate Zone | n/a | |
| Reversibility Yes | | |
| Cooling mode application (optional) +7°C/12°C and +18°C/+23°C | | |

| General Data | | | |
|--------------------------|--|--|--|
| Power supply 1x230V 50Hz | | | |

Heating

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 1.97 kW |
| СОР | 5.00 | 2.90 |

| EN 14511-4 | |
|--|--------|
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

Cooling





| EN 14511-2 | | | | |
|------------------------|---------|---------|--|--|
| +7°C/+12°C +18°C/+23°C | | | | |
| El input | 2.10 kW | 1.36 kW | | |
| Cooling capacity | 6.50 | 7.00 | | |
| EER | 3.09 | 5.14 | | |



| EN 14825 | | |
|-------------------------------|------------|-------------|
| | +7°C/+12°C | +18°C/+23°C |
| Pdesignc | 6.50 kW | 7.00 kW |
| SEER | 4.01 | 6.49 |
| Pdc Tj = 35°C | 6.50 kW | 7.00 kW |
| EER Tj = 35°C | 3.09 | 5.14 |
| Pdc Tj = 30°C | 4.90 kW | 5.39 kW |
| EER Tj = 30°C | 3.99 | 6.65 |
| Pdc Tj = 25°C | 3.10 kW | 3.32 kW |
| EER Tj = 25°C | 4.55 | 4.93 |
| Pdc Tj = 20°C | 1.37 kW | 1.78 kW |
| EER Tj = 20°C | 3.96 | 12.82 |
| Poff | 12 W | 12 W |
| РТО | 12 W | 12 W |
| PSB | 12 W | 12 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Qce | 973 kWh | 647 kWh |



| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 33 dB(A) | 33 dB(A) |
| Sound power level outdoor | 58 dB(A) | 58 dB(A) |

| EN 14825 | | |
|----------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 178 % | 132 % |
| Prated | 6.50 kW | 6.00 kW |
| SCOP | 4.52 | 3.38 |
| Tbiv | -10 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 5.90 kW | 5.50 kW |
| COP Tj = -7°C | 3.16 | 2.22 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 3.50 kW | 3.40 kW |
| COP Tj = +2°C | 4.48 | 3.37 |
| Cdh Tj = +2 °C | 0.980 | 0.980 |
| Pdh Tj = +7°C | 2.25 kW | 2.10 kW |
| COP Tj = +7°C | 5.61 | 4.07 |
| Cdh Tj = +7 °C | 0.960 | 0.970 |



| Pdh Tj = 12°C | 2.50 kW | 2.50 kW |
|---|----------|----------|
| COP Tj = 12°C | 6.92 | 6.58 |
| Cdh Tj = +12 °C | 0.960 | 0.970 |
| Pdh Tj = Tbiv | 6.60 kW | 5.50 kW |
| COP Tj = Tbiv | 2.68 | 2.22 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.60 kW | 5.30 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.68 | 1.82 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 0.990 |
| WTOL | 60 °C | 60 °C |
| Poff | 12 W | 12 W |
| РТО | 12 W | 12 W |
| PSB | 12 W | 12 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | n/a | n/a |
| Supplementary Heater: PSUP | 0.00 kW | 0.70 kW |
| Annual energy consumption Qhe | 2974 kWh | 3667 kWh |

Model: AWHPR 8 MR + MIV-S 4-8/EM R32

| Configure model | | |
|-------------------------------------|-------------------------------|--|
| Model name | AWHPR 8 MR + MIV-S 4-8/EM R32 | |
| Application | Heating (medium temp) | |
| Units | Indoor + Outdoor | |
| Climate Zone | n/a | |
| Reversibility | Yes | |
| Cooling mode application (optional) | +7°C/12°C and +18°C/+23°C | |

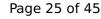
| General Data | | |
|--------------|-------------|--|
| Power supply | 1x230V 50Hz | |

Heating

| EN 14511-2 | | | |
|------------------------------------|---------|---------|--|
| Low temperature Medium temperature | | | |
| Heat output | 7.60 kW | 8.00 kW | |
| El input | 1.59 kW | 2.91 kW | |
| СОР | 4.77 | 2.75 | |

| EN 14511-4 | | |
|--|--------|--|
| Shutting off the heat transfer medium flow | passed | |
| | | |
| Complete power supply failure | passed | |
| Defrost test | passed | |
| Starting and operating test | passed | |

Cooling





| EN 14511-2 | | | |
|------------------------|---------|---------|--|
| +7°C/+12°C +18°C/+23°C | | | |
| El input | 2.15 kW | 1.45 kW | |
| Cooling capacity | 6.50 | 7.10 | |
| EER | 3.02 | 4.88 | |



| EN 14825 | | |
|-------------------------------|------------|-------------|
| | +7°C/+12°C | +18°C/+23°C |
| Pdesignc | 6.50 kW | 7.10 kW |
| SEER | 4.43 | 5.89 |
| Pdc Tj = 35°C | 6.50 kW | 7.10 kW |
| EER Tj = 35°C | 3.02 | 4.88 |
| Pdc Tj = 30°C | 4.97 kW | 5.65 kW |
| EER Tj = 30°C | 4.12 | 6.81 |
| Pdc Tj = 25°C | 3.35 kW | 3.18 kW |
| EER Tj = 25°C | 4.74 | 5.26 |
| Pdc Tj = 20°C | 1.55 kW | 1.67 kW |
| EER Tj = 20°C | 5.50 | 7.40 |
| Poff | 12 W | 12 W |
| РТО | 12 W | 12 W |
| PSB | 12 W | 12 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Qce | 881 kWh | 723 kWh |



| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 33 dB(A) | 33 dB(A) |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) |

| EN 14825 | | |
|-------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 177 % | 131 % |
| Prated | 7.00 kW | 7.00 kW |
| SCOP | 4.50 | 3.34 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7° C | 6.19 kW | 6.19 kW |
| COP Tj = -7° C | 2.97 | 2.09 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = $+2$ °C | 4.12 kW | 3.79 kW |
| $COP Tj = +2^{\circ}C$ | 4.46 | 3.24 |
| Cdh Tj = +2 °C | 0.980 | 0.990 |
| Pdh Tj = +7°C | 2.78 kW | 2.49 kW |
| COP Tj = +7°C | 5.70 | 4.57 |
| Cdh Tj = +7 °C | 0.970 | 0.970 |



| Pdh Tj = 12°C | 2.67 kW | 2.55 kW |
|---|----------|----------|
| COP Tj = 12°C | 7.80 | 6.10 |
| Cdh Tj = +12 °C | 0.960 | 0.960 |
| Pdh Tj = Tbiv | 6.19 kW | 6.19 kW |
| COP Tj = Tbiv | 2.97 | 2.09 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.64 kW | 4.90 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.58 | 1.66 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 0.990 |
| WTOL | 60 °C | 60 °C |
| Poff | 12 W | 12 W |
| РТО | 12 W | 12 W |
| PSB | 12 W | 12 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | n/a | n/a |
| Supplementary Heater: PSUP | 0.36 kW | 2.10 kW |
| Annual energy consumption Qhe | 3213 kWh | 4334 kWh |



Model: AWHPR 8 MR + MIV-S 4-8/EM R32 + HPSL180 EVO

| Configure model | | |
|-------------------------------------|---|--|
| Model name | AWHPR 8 MR + MIV-S 4-8/EM R32 + HPSL180 EVO | |
| Application | Heating + DHW + low temp | |
| Units | Indoor + Outdoor | |
| Climate Zone | n/a | |
| Reversibility | Yes | |
| Cooling mode application (optional) | +7°C/12°C and +18°C/+23°C | |

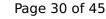
| General Data | | |
|--------------|-------------|--|
| Power supply | 1x230V 50Hz | |

Heating

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 7.60 kW | 8.00 kW |
| El input | 1.59 kW | 2.91 kW |
| СОР | 4.77 | 2.75 |

| EN 14511-4 | |
|--|--------|
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

Cooling





| EN 14511-2 | | |
|------------------|------------|-------------|
| | +7°C/+12°C | +18°C/+23°C |
| El input | 2.15 kW | 1.45 kW |
| Cooling capacity | 6.50 | 7.10 |
| EER | 3.02 | 4.88 |



| EN 14825 | | | |
|-------------------------------|------------|-------------|--|
| | +7°C/+12°C | +18°C/+23°C | |
| Pdesignc | 6.50 kW | 7.10 kW | |
| SEER | 4.43 | 5.89 | |
| Pdc Tj = 35°C | 6.50 kW | 7.10 kW | |
| EER Tj = 35°C | 3.02 | 4.88 | |
| Pdc Tj = 30°C | 4.97 kW | 5.65 kW | |
| EER Tj = 30°C | 4.12 | 6.81 | |
| Pdc Tj = 25°C | 3.35 kW | 3.18 kW | |
| EER Tj = 25°C | 4.74 | 5.26 | |
| Pdc Tj = 20°C | 1.55 kW | 1.67 kW | |
| EER Tj = 20°C | 5.50 | 7.40 | |
| Poff | 12 W | 12 W | |
| РТО | 12 W | 12 W | |
| PSB | 12 W | 12 W | |
| PCK | o w | o w | |
| Annual energy consumption Qce | 881 kWh | 723 kWh | |

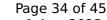


| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 33 dB(A) | 33 dB(A) |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) |

| EN 14825 | | | |
|----------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| η_{s} | 177 % | 131 % | |
| Prated | 7.00 kW | 7.00 kW | |
| SCOP | 4.50 | 3.34 | |
| Tbiv | -7 °C | -7 °C | |
| TOL | -10 °C | -10 °C | |
| Pdh Tj = -7°C | 6.19 kW | 6.19 kW | |
| COP Tj = -7°C | 2.97 | 2.09 | |
| Cdh Tj = -7 °C | 0.990 | 0.990 | |
| Pdh Tj = +2°C | 4.12 kW | 3.79 kW | |
| COP Tj = +2°C | 4.46 | 3.24 | |
| Cdh Tj = +2 °C | 0.980 | 0.990 | |
| Pdh Tj = +7°C | 2.78 kW | 2.49 kW | |
| COP Tj = +7°C | 5.70 | 4.57 | |
| Cdh Tj = +7 °C | 0.970 | 0.970 | |

| 2.67 kW | 2.55 kW |
|----------|--|
| 1 | 2.55 KW |
| 7.80 | 6.10 |
| 0.960 | 0.960 |
| 6.19 kW | 6.19 kW |
| 2.97 | 2.09 |
| 6.64 kW | 4.90 kW |
| 2.58 | 1.66 |
| 0.990 | 0.990 |
| 60 °C | 60 °C |
| 12 W | 12 W |
| 12 W | 12 W |
| 12 W | 12 W |
| 0 W | 0 W |
| n/a | n/a |
| 0.36 kW | 2.10 kW |
| 3213 kWh | 4334 kWh |
| | 0.960 6.19 kW 2.97 6.64 kW 2.58 0.990 60 °C 12 W 12 W 12 W 0 W n/a 0.36 kW |

Domestic Hot Water (DHW)





| EN 16147 | | |
|---------------------------------|-------------|--|
| Declared load profile | М | |
| Efficiency ηDHW | 111 % | |
| СОР | 2.59 | |
| Heating up time | 01:25 h:min | |
| Standby power input | 25.4 W | |
| Reference hot water temperature | 53.1 °C | |
| Mixed water at 40°C | 250 I | |

Model: AWHPR 8 MR + MIV-S 4-8/EM R32 + HPSL180 EVO

| Configure model | | |
|-------------------------------------|---|--|
| Model name | AWHPR 8 MR + MIV-S 4-8/EM R32 + HPSL180 EVO | |
| Application | Heating + DHW + low temp | |
| Units | Indoor + Outdoor | |
| Climate Zone | n/a | |
| Reversibility | Yes | |
| Cooling mode application (optional) | +7°C/12°C and +18°C/+23°C | |

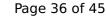
| General Data | | |
|--------------|-------------|--|
| Power supply | 1x230V 50Hz | |

Heating

| EN 14511-2 | | | |
|-------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Heat output | 7.60 kW | 8.00 kW | |
| El input | 1.59 kW | 2.91 kW | |
| СОР | 4.77 | 2.75 | |

| EN 14511-4 | |
|--|--------|
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

Cooling





| EN 14511-2 | | |
|------------------|------------|-------------|
| | +7°C/+12°C | +18°C/+23°C |
| El input | 2.15 kW | 1.45 kW |
| Cooling capacity | 6.50 | 7.10 |
| EER | 3.02 | 4.88 |



| EN 14825 | | | |
|-------------------------------|------------|-------------|--|
| | +7°C/+12°C | +18°C/+23°C | |
| Pdesignc | 6.50 kW | 7.10 kW | |
| SEER | 4.43 | 5.89 | |
| Pdc Tj = 35°C | 6.50 kW | 7.10 kW | |
| EER Tj = 35°C | 3.02 | 4.88 | |
| Pdc Tj = 30°C | 4.97 kW | 5.65 kW | |
| EER Tj = 30°C | 4.12 | 6.81 | |
| Pdc Tj = 25°C | 3.35 kW | 3.18 kW | |
| EER Tj = 25°C | 4.74 | 5.26 | |
| Pdc Tj = 20°C | 1.55 kW | 1.67 kW | |
| EER Tj = 20°C | 5.50 | 7.40 | |
| Poff | 12 W | 12 W | |
| РТО | 12 W | 12 W | |
| PSB | 12 W | 12 W | |
| PCK | o w | 0 W | |
| Annual energy consumption Qce | 881 kWh | 723 kWh | |



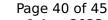
| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 33 dB(A) | 33 dB(A) |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) |

| EN 14825 | | | |
|----------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| η_{s} | 177 % | 131 % | |
| Prated | 7.00 kW | 7.00 kW | |
| SCOP | 4.50 | 3.34 | |
| Tbiv | -7 °C | -7 °C | |
| TOL | -10 °C | -10 °C | |
| Pdh Tj = -7°C | 6.19 kW | 6.19 kW | |
| COP Tj = -7°C | 2.97 | 2.09 | |
| Cdh Tj = -7 °C | 0.990 | 0.990 | |
| Pdh Tj = +2°C | 4.12 kW | 3.79 kW | |
| COP Tj = +2°C | 4.46 | 3.24 | |
| Cdh Tj = +2 °C | 0.980 | 0.990 | |
| Pdh Tj = +7°C | 2.78 kW | 2.49 kW | |
| COP Tj = +7°C | 5.70 | 4.57 | |
| Cdh Tj = +7 °C | 0.970 | 0.970 | |



| Pdh Tj = 12°C | 2.67 kW | 2.55 kW |
|---|----------|----------|
| COP Tj = 12°C | 7.80 | 6.10 |
| Cdh Tj = +12 °C | 0.960 | 0.960 |
| Pdh Tj = Tbiv | 6.19 kW | 6.19 kW |
| COP Tj = Tbiv | 2.97 | 2.09 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.64 kW | 4.90 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.58 | 1.66 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 0.990 |
| WTOL | 60 °C | 60 °C |
| Poff | 12 W | 12 W |
| РТО | 12 W | 12 W |
| PSB | 12 W | 12 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | n/a | n/a |
| Supplementary Heater: PSUP | 0.36 kW | 2.10 kW |
| Annual energy consumption Qhe | 3213 kWh | 4334 kWh |

Domestic Hot Water (DHW)





| EN 16147 | | |
|---------------------------------|-------------|--|
| Declared load profile | L | |
| Efficiency ηDHW | 124 % | |
| СОР | 2.98 | |
| Heating up time | 01:25 h:min | |
| Standby power input | 28.1 W | |
| Reference hot water temperature | 53.1 °C | |
| Mixed water at 40°C | 250 I | |



Model: AWHPR 8 MR + MIV-S 4-8/H R32

| Configure model | | | |
|-------------------------------------|------------------------------|--|--|
| Model name | AWHPR 8 MR + MIV-S 4-8/H R32 | | |
| Application | Heating (medium temp) | | |
| Units | Indoor + Outdoor | | |
| Climate Zone | n/a | | |
| Reversibility | Yes | | |
| Cooling mode application (optional) | +7°C/12°C and +18°C/+23°C | | |

| General Data | | |
|--------------|-------------|--|
| Power supply | 1x230V 50Hz | |

Heating

| EN 14511-2 | | | |
|-------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Heat output | 7.60 kW | 8.00 kW | |
| El input | 1.59 kW | 2.91 kW | |
| СОР | 4.77 | 2.75 | |

| EN 14511-4 | |
|--|--------|
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

Cooling





| EN 14511-2 | | | | |
|------------------|------------|-------------|--|--|
| | +7°C/+12°C | +18°C/+23°C | | |
| El input | 2.15 kW | 1.45 kW | | |
| Cooling capacity | 6.50 | 7.10 | | |
| EER | 3.02 | 4.88 | | |



| EN 14825 | | | | |
|-------------------------------|------------|-------------|--|--|
| | +7°C/+12°C | +18°C/+23°C | | |
| Pdesignc | 6.50 kW | 7.10 kW | | |
| SEER | 4.43 | 5.89 | | |
| Pdc Tj = 35°C | 6.50 kW | 7.10 kW | | |
| EER Tj = 35°C | 3.02 | 4.88 | | |
| Pdc Tj = 30°C | 4.97 kW | 5.65 kW | | |
| EER Tj = 30°C | 4.12 | 6.81 | | |
| Pdc Tj = 25°C | 3.35 kW | 3.18 kW | | |
| EER Tj = 25°C | 4.74 | 5.26 | | |
| Pdc Tj = 20°C | 1.55 kW | 1.67 kW | | |
| EER Tj = 20°C | 5.50 | 7.40 | | |
| Poff | 12 W | 12 W | | |
| РТО | 12 W | 12 W | | |
| PSB | 12 W | 12 W | | |
| PCK | 0 W | 0 W | | |
| Annual energy consumption Qce | 881 kWh | 723 kWh | | |



| EN 12102-1 | | | | |
|---------------------------|-----------------|--------------------|--|--|
| | Low temperature | Medium temperature | | |
| Sound power level indoor | 33 dB(A) | 33 dB(A) | | |
| Sound power level outdoor | 59 dB(A) | 59 dB(A) | | |

| EN 14825 | | | | |
|----------------|-----------------|--------------------|--|--|
| | Low temperature | Medium temperature | | |
| η_{s} | 177 % | 131 % | | |
| Prated | 7.00 kW | 7.00 kW | | |
| SCOP | 4.50 | 3.34 | | |
| Tbiv | -7 °C | -7 °C | | |
| TOL | -10 °C | -10 °C | | |
| Pdh Tj = -7°C | 6.19 kW | 6.19 kW | | |
| COP Tj = -7°C | 2.97 | 2.09 | | |
| Cdh Tj = -7 °C | 0.990 | 0.990 | | |
| Pdh Tj = +2°C | 4.12 kW | 3.79 kW | | |
| COP Tj = +2°C | 4.46 | 3.24 | | |
| Cdh Tj = +2 °C | 0.980 | 0.990 | | |
| Pdh Tj = +7°C | 2.78 kW | 2.49 kW | | |
| COP Tj = +7°C | 5.70 | 4.57 | | |
| Cdh Tj = +7 °C | 0.970 | 0.970 | | |



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| Pdh Tj = 12°C | 2.67 kW | 2.55 kW |
|---|----------|----------|
| COP Tj = 12°C | 7.80 | 6.10 |
| Cdh Tj = +12 °C | 0.960 | 0.960 |
| Pdh Tj = Tbiv | 6.19 kW | 6.19 kW |
| COP Tj = Tbiv | 2.97 | 2.09 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.64 kW | 4.90 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.58 | 1.66 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 0.990 |
| WTOL | 60 °C | 60 °C |
| Poff | 12 W | 12 W |
| РТО | 12 W | 12 W |
| PSB | 12 W | 12 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | n/a | n/a |
| Supplementary Heater: PSUP | 0.36 kW | 2.10 kW |
| Annual energy consumption Qhe | 3213 kWh | 4334 kWh |