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Login

| Summary of | 27. Yutaki S (R1) & S Combi (RW1) 220L 2HP R32 | Reg. No. | 041-K002-48 | |
|---|---|--|-------------|--|
| Certificate Holder | Certificate Holder | | | |
| Name | Name Johnson Controls-Hitachi AirConditioning Spain | | | |
| Address | Ronda Shimizu, 1. Pol. Ind. Can Torrella | Ronda Shimizu, 1. Pol. Ind. Can Torrella Zip 08233 | | |
| City | Vacarisses, Barcelona | Country | Spain | |
| Certification Body | BRE Global Limited | | | |
| Subtype title | 27. Yutaki S (R1) & S Combi (RW1) 220L 2HP R32 | | | |
| Heat Pump Type | Outdoor Air/Water | | | |
| Refrigerant | R32 | | | |
| Mass of Refrigerant | Refrigerant 1.2 kg | | | |
| Certification Date | ion Date 08.02.2022 | | | |
| resting basis Heat Pump Keymark Scheme Rules Rev 09 | | | | |

Model: 03. RAS-2WHVRP1 RWD-2.0RW1E-220S - Heating Only

| Configure model | | |
|-------------------------------------|---|--|
| Model name | 03. RAS-2WHVRP1 RWD-2.0RW1E-220S - Heating Only | |
| Application | Heating + DHW + low temp | |
| Units | Indoor + Outdoor | |
| Climate Zone | n/a | |
| Reversibility | No | |
| Cooling mode application (optional) | n/a | |

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

Heating

| EN 14511-2 | | | |
|------------------------------------|---------|---------|--|
| Low temperature Medium temperature | | | |
| Heat output | 4.30 kW | 4.30 kW | |
| El input | 0.82 kW | 1.43 kW | |
| СОР | 5.25 | 3.00 | |

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

Average Climate



| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 37 dB(A) | 37 dB(A) |
| Sound power level outdoor | 49 dB(A) | 49 dB(A) |

| EN 14825 | | |
|----------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 180 % | 130 % |
| Prated | 4.00 kW | 4.00 kW |
| SCOP | 4.57 | 3.32 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 3.54 kW | 3.50 kW |
| COP Tj = -7°C | 3.20 | 2.00 |
| Cdh Tj = -7 °C | 0.900 | 0.900 |
| Pdh Tj = +2°C | 2.35 kW | 2.16 kW |
| COP Tj = +2°C | 4.43 | 3.25 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |
| Pdh Tj = +7°C | 3.00 kW | 2.43 kW |
| COP Tj = +7°C | 7.41 | 5.20 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |





| Pdh Tj = 12°C | 3.05 kW | 2.80 kW |
|---|-------------|-------------|
| COP Tj = 12°C | 9.24 | 6.90 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 3.54 kW | 3.50 kW |
| COP Tj = Tbiv | 3.20 | 2.00 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.00 kW | 3.10 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.75 | 1.90 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900 | 0.900 |
| WTOL | 55 °C | 55 °C |
| Poff | 12 W | 12 W |
| РТО | o w | 0 W |
| PSB | 12 W | 12 W |
| PCK | o w | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.90 kW |
| Annual energy consumption Qhe | 1811 kWh | 2463 kWh |

Domestic Hot Water (DHW)



| EN 16147 | | |
|---------------------------------|------------|--|
| Declared load profile | L | |
| Efficiency ηDHW | 130 % | |
| СОР | 3.20 | |
| Heating up time | 1:55 h:min | |
| Standby power input | 30.0 W | |
| Reference hot water temperature | 52.6 °C | |
| Mixed water at 40°C | 288 | |

Model: 04. RAS-2WHVRP1 RWD-2.0RW1E-220S - with cooling kit

| Configure model | | |
|-------------------------------------|---|--|
| Model name | 04. RAS-2WHVRP1 RWD-2.0RW1E-220S - with cooling kit | |
| 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 | 4.30 kW | 4.30 kW | |
| El input | 0.82 kW | 1.43 kW | |
| СОР | 5.25 | 3.00 | |

| 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 | 1.00 kW | 1.02 kW |
| Cooling capacity | 4.00 | 5.50 |
| EER | 4.00 | 5.40 |

EN 14825





| | +7°C/+12°C | +18°C/+23°C |
|-------------------------------|------------|-------------|
| Pdesignc | 4.00 kW | 5.50 kW |
| SEER | 5.57 | 8.04 |
| Pdc Tj = 35°C | 4.00 kW | 5.50 kW |
| EER Tj = 35°C | 4.00 | 5.40 |
| Pdc Tj = 30°C | 2.95 kW | 4.05 kW |
| EER Tj = 30°C | 5.00 | 7.20 |
| Cdc | | |
| Pdc Tj = 25°C | 2.05 kW | 2.61 kW |
| EER Tj = 25°C | 6.45 | 9.60 |
| Cdc | | |
| Pdc Tj = 20°C | 2.88 kW | 2.51 kW |
| EER Tj = 20°C | 8.00 | 10.30 |
| Cdc | | |
| Poff | 12 W | 12 W |
| РТО | o w | 0 W |
| PSB | 12 W | 12 W |
| PCK | o w | o w |
| Annual energy consumption Qce | 431 kWh | 410 kWh |



| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 37 dB(A) | 37 dB(A) |
| Sound power level outdoor | 49 dB(A) | 49 dB(A) |

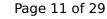
| EN 14825 | | |
|------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 184 % | 132 % |
| Prated | 4.00 kW | 4.00 kW |
| SCOP | 4.68 | 3.38 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 3.54 kW | 3.50 kW |
| COP Tj = -7°C | 3.20 | 2.00 |
| Cdh Tj = -7 °C | 1.000 | 1.000 |
| Pdh Tj = +2°C | 2.35 kW | 2.16 kW |
| COP Tj = +2°C | 4.43 | 3.25 |
| Cdh Tj = +2 °C | 1.000 | 1.000 |
| Pdh Tj = +7°C | 3.00 kW | 2.43 kW |
| $COP Tj = +7^{\circ}C$ | 7.41 | 5.20 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |





| Pdh Tj = 12°C | 3.05 kW | 2.80 kW |
|---|-------------|-------------|
| COP Tj = 12°C | 9.24 | 6.90 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 3.54 kW | 3.50 kW |
| COP Tj = Tbiv | 3.20 | 2.00 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.00 kW | 3.10 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.75 | 1.90 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 12 W | 12 W |
| РТО | 0 W | 0 W |
| PSB | 12 W | 12 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.90 kW |
| Annual energy consumption Qhe | 1767 kWh | 2420 kWh |

Domestic Hot Water (DHW)





| EN 16147 | |
|---------------------------------|------------|
| Declared load profile | L |
| Efficiency ηDHW | 130 % |
| СОР | 3.20 |
| Heating up time | 1:55 h:min |
| Standby power input | 30.0 W |
| Reference hot water temperature | 52.6 °C |
| Mixed water at 40°C | 288 |



Model: 05. RAS-2WHVRP1 RWD-2.0RW1E-220S-K - UK Version - Heating Only

| Configure model | | |
|-------------------------------------|--|--|
| Model name | 05. RAS-2WHVRP1 RWD-2.0RW1E-220S-K - UK Version - Heating Only | |
| Application | Heating + DHW + low temp | |
| Units | Indoor + Outdoor | |
| Climate Zone | n/a | |
| Reversibility | No | |
| Cooling mode application (optional) | n/a | |

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

Heating

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 4.30 kW | 4.30 kW |
| El input | 0.82 kW | 1.43 kW |
| СОР | 5.25 | 3.00 |

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

Average Climate



| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 37 dB(A) | 37 dB(A) |
| Sound power level outdoor | 49 dB(A) | 49 dB(A) |

| EN 14825 | | |
|----------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 180 % | 130 % |
| Prated | 4.00 kW | 4.00 kW |
| SCOP | 4.57 | 3.32 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 3.54 kW | 3.50 kW |
| COP Tj = -7°C | 3.20 | 2.00 |
| Cdh Tj = -7 °C | 0.900 | 0.900 |
| Pdh Tj = +2°C | 2.35 kW | 2.16 kW |
| COP Tj = +2°C | 4.43 | 3.25 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |
| Pdh Tj = +7°C | 3.00 kW | 2.43 kW |
| COP Tj = +7°C | 7.41 | 5.20 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |





| 3.05 kW | 2.80 kW |
|-------------|--|
| 9.24 | 6.90 |
| 0.900 | 0.900 |
| 3.54 kW | 3.50 kW |
| 3.20 | 2.00 |
| 4.00 kW | 3.10 kW |
| 2.75 | 1.90 |
| 0.900 | 0.900 |
| 55 °C | 55 °C |
| 12 W | 12 W |
| 0 W | 0 W |
| 12 W | 12 W |
| 0 W | 0 W |
| Electricity | Electricity |
| 0.00 kW | 0.90 kW |
| 1811 kWh | 2463 kWh |
| | 9.24 0.900 3.54 kW 3.20 4.00 kW 2.75 0.900 55 °C 12 W 0 W 12 W 0 W Electricity 0.00 kW |

Domestic Hot Water (DHW)



| EN 16147 | | |
|---------------------------------|------------|--|
| Declared load profile | L | |
| Efficiency ηDHW | 130 % | |
| СОР | 3.20 | |
| Heating up time | 1:55 h:min | |
| Standby power input | 30.0 W | |
| Reference hot water temperature | 52.6 °C | |
| Mixed water at 40°C | 288 I | |

Model: 06. RAS-2WHVRP1 RWD-2.0RW1E-220S-K - UK Version - with cooling kit

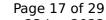
| Configure model | | |
|-------------------------------------|--|--|
| Model name | 06. RAS-2WHVRP1 RWD-2.0RW1E-220S-K - UK Version - with cooling kit | |
| Application | Heating + DHW + low temp | |
| Units | Indoor + Outdoor | |
| Climate Zone | n/a | |
| Reversibility | Yes | |
| Cooling mode application (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 | 4.30 kW | 4.30 kW |
| El input | 0.82 kW | 1.43 kW |
| СОР | 5.25 | 3.00 |

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



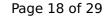


Cooling

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| EN 14511-2 | | |
|------------------|------------|-------------|
| | +7°C/+12°C | +18°C/+23°C |
| El input | 1.00 kW | 1.02 kW |
| Cooling capacity | 4.00 | 5.50 |
| EER | 4.00 | 5.40 |

EN 14825





| J. Control of the con | +7°C/+12°C | +18°C/+23°C |
|--|------------|-------------|
| Pdesignc | 4.00 kW | 5.50 kW |
| SEER | 5.57 | 8.04 |
| Pdc Tj = 35°C | 4.00 kW | 5.50 kW |
| EER Tj = 35°C | 4.00 | 5.40 |
| Pdc Tj = 30°C | 2.95 kW | 4.05 kW |
| EER Tj = 30°C | 5.00 | 7.20 |
| Cdc | | |
| Pdc Tj = 25°C | 2.05 kW | 2.61 kW |
| EER Tj = 25°C | 6.45 | 9.60 |
| Cdc | | |
| Pdc Tj = 20°C | 2.88 kW | 2.51 kW |
| EER Tj = 20°C | 8.00 | 10.30 |
| Cdc | | |
| Poff | 12 W | 12 W |
| РТО | 0 W | 0 W |
| PSB | 12 W | 12 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Qce | 431 kWh | 410 kWh |





| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 37 dB(A) | 37 dB(A) |
| Sound power level outdoor | 49 dB(A) | 49 dB(A) |

| EN 14825 | | |
|----------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 184 % | 132 % |
| Prated | 4.00 kW | 4.00 kW |
| SCOP | 4.68 | 3.38 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 3.54 kW | 3.50 kW |
| COP Tj = -7°C | 3.20 | 2.00 |
| Cdh Tj = -7 °C | 1.000 | 1.000 |
| Pdh Tj = +2°C | 2.35 kW | 2.16 kW |
| COP Tj = +2°C | 4.43 | 3.25 |
| Cdh Tj = +2 °C | 1.000 | 1.000 |
| Pdh Tj = +7°C | 3.00 kW | 2.43 kW |
| COP Tj = +7°C | 7.41 | 5.20 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |





| - | |
|-------------|--|
| 3.05 kW | 2.80 kW |
| 9.24 | 6.90 |
| 0.900 | 0.900 |
| 3.54 kW | 3.50 kW |
| 3.20 | 2.00 |
| 4.00 kW | 3.10 kW |
| 2.75 | 1.90 |
| 1.000 | 1.000 |
| 55 °C | 55 °C |
| 12 W | 12 W |
| 0 W | 0 W |
| 12 W | 12 W |
| 0 W | 0 W |
| Electricity | Electricity |
| 0.00 kW | 0.90 kW |
| 1767 kWh | 2420 kWh |
| | 9.24 0.900 3.54 kW 3.20 4.00 kW 2.75 1.000 55 °C 12 W 0 W 12 W 0 W Electricity 0.00 kW |

Domestic Hot Water (DHW)



| EN 16147 | | |
|---------------------------------|------------|--|
| Declared load profile | L | |
| Efficiency ηDHW | 130 % | |
| СОР | 3.20 | |
| Heating up time | 1:55 h:min | |
| Standby power input | 30.0 W | |
| Reference hot water temperature | 52.6 °C | |
| Mixed water at 40°C | 288 I | |



Model: 01. RAS-2WHVRP1 RWM-2.0R1E - Heating Only

| Configure model | | |
|--|-----------------------|--|
| Model name 01. RAS-2WHVRP1 RWM-2.0R1E - Heating Only | | |
| Application | Heating (medium temp) | |
| Units | Indoor + Outdoor | |
| Climate Zone | n/a | |
| Reversibility | No | |
| Cooling mode application (optional) | n/a | |

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

Heating

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 4.30 kW | 4.30 kW |
| El input | 0.82 kW | 1.43 kW |
| СОР | 5.25 | 3.00 |

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

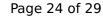
Average Climate





| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 37 dB(A) | 37 dB(A) |
| Sound power level outdoor | 49 dB(A) | 49 dB(A) |

| EN 14825 | | |
|----------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 180 % | 130 % |
| Prated | 4.00 kW | 4.00 kW |
| SCOP | 4.57 | 3.32 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 3.54 kW | 3.50 kW |
| COP Tj = -7°C | 3.20 | 2.00 |
| Cdh Tj = -7 °C | 0.900 | 0.900 |
| Pdh Tj = +2°C | 2.35 kW | 2.16 kW |
| COP Tj = +2°C | 4.43 | 3.25 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |
| Pdh Tj = +7°C | 3.00 kW | 2.43 kW |
| COP Tj = +7°C | 7.41 | 5.20 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| | ' | |





| Pdh Tj = 12°C | 3.05 kW | 2.80 kW |
|---|-------------|-------------|
| COP Tj = 12°C | 9.24 | 6.90 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 3.54 kW | 3.50 kW |
| COP Tj = Tbiv | 3.20 | 2.00 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.00 kW | 3.10 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.75 | 1.90 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900 | 0.900 |
| WTOL | 55 °C | 55 °C |
| Poff | 12 W | 12 W |
| РТО | o w | o w |
| PSB | 12 W | 12 W |
| PCK | o w | o w |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.90 kW |
| Annual energy consumption Qhe | 1811 kWh | 2463 kWh |



Model: 02. RAS-2WHVRP1 RWM-2.0R1E - with cooling kit

| Configure model | | |
|-------------------------------------|---|--|
| Model name | 02. RAS-2WHVRP1 RWM-2.0R1E - with cooling kit | |
| 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 | |

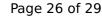
| General Data | | |
|--------------------------|--|--|
| Power supply 1x230V 50Hz | | |

Heating

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 4.30 kW | 4.30 kW |
| El input | 0.82 kW | 1.43 kW |
| СОР | 5.25 | 3.00 |

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

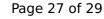
Cooling





| EN 14511-2 | | | | |
|------------------|------------|-------------|--|--|
| | +7°C/+12°C | +18°C/+23°C | | |
| El input | 1.00 kW | 1.02 kW | | |
| Cooling capacity | 4.00 | 5.50 | | |
| EER | 4.00 | 5.40 | | |

EN 14825





| | +7°C/+12°C | +18°C/+23°C |
|-------------------------------|------------|-------------|
| Pdesignc | 4.00 kW | 5.50 kW |
| SEER | 5.57 | 8.04 |
| Pdc Tj = 35°C | 4.00 kW | 5.50 kW |
| EER Tj = 35°C | 4.00 | 5.40 |
| Pdc Tj = 30°C | 2.95 kW | 4.05 kW |
| EER Tj = 30°C | 5.00 | 7.20 |
| Cdc | | |
| Pdc Tj = 25°C | 2.05 kW | 2.61 kW |
| EER Tj = 25°C | 6.45 | 9.60 |
| Cdc | | |
| Pdc Tj = 20°C | 2.88 kW | 2.51 kW |
| EER Tj = 20°C | 8.00 | 10.30 |
| Cdc | | |
| Poff | 12 W | 12 W |
| РТО | 0 W | 0 W |
| PSB | 12 W | 12 W |
| PCK | o w | o w |
| Annual energy consumption Qce | 431 kWh | 410 kWh |





| EN 12102-1 | | | |
|---------------------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Sound power level indoor | 37 dB(A) | 37 dB(A) | |
| Sound power level outdoor | 49 dB(A) | 49 dB(A) | |

| EN 14825 | | | |
|------------------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| η_{s} | 184 % | 132 % | |
| Prated | 4.00 kW | 4.00 kW | |
| SCOP | 4.68 | 3.38 | |
| Tbiv | -7 °C | -7 °C | |
| TOL | -10 °C | -10 °C | |
| Pdh Tj = -7°C | 3.54 kW | 3.50 kW | |
| COP Tj = -7°C | 3.20 | 2.00 | |
| Cdh Tj = -7 °C | 1.000 | 1.000 | |
| Pdh Tj = +2°C | 2.35 kW | 2.16 kW | |
| COP Tj = +2°C | 4.43 | 3.25 | |
| Cdh Tj = +2 °C | 1.000 | 1.000 | |
| Pdh Tj = +7°C | 3.00 kW | 2.43 kW | |
| $COP Tj = +7^{\circ}C$ | 7.41 | 5.20 | |
| Cdh Tj = +7 °C | 0.900 | 0.900 | |





| Pdh Tj = 12°C | 3.05 kW | 2.80 kW |
|---|-------------|-------------|
| COP Tj = 12°C | 9.24 | 6.90 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 3.54 kW | 3.50 kW |
| COP Tj = Tbiv | 3.20 | 2.00 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.00 kW | 3.10 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.75 | 1.90 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 12 W | 12 W |
| РТО | o w | o w |
| PSB | 12 W | 12 W |
| PCK | o w | o w |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.90 kW |
| Annual energy consumption Qhe | 1767 kWh | 2420 kWh |