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Login

| Summary of | Prima 12-16GT | Reg. No. | 041-K013-03 | |
|---------------------|--------------------------------|--------------------------|-------------|--|
| Certificate Holder | | | | |
| Name | Galmet Sp. z o.o. Sp. K. | Galmet Sp. z o.o. Sp. K. | | |
| Address | ul. Raciborska 36 | Zip | 48-100 | |
| City | Głubczyce | Country | Poland | |
| Certification Body | BRE Global Limited | | | |
| Subtype title | Prima 12-16GT | | | |
| Heat Pump Type | Outdoor Air/Water | | | |
| Refrigerant | R32 | | | |
| Mass of Refrigerant | 1.84 kg | | | |
| Certification Date | 14.04.2021 | | | |
| Testing basis | HP Keymark Scheme Rules Rev 08 | | | |



Model: Prima S 12GT

| Configure model | | |
|-------------------------------------|---------------------------------|--|
| Model name | Prima S 12GT | |
| Application | Heating (medium temp) | |
| Units | Indoor + Outdoor | |
| Climate Zone | Colder Climate + Warmer Climate | |
| Reversibility | Yes | |
| Cooling mode application (optional) | n/a | |

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

Heating

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

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 12.10 kW | 12.00 kW |
| El input | 2.44 kW | 3.87 kW |
| СОР | 4.95 | 3.10 |

Average Climate



| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 64 dB(A) | 64 dB(A) |

| EN 14825 | | |
|----------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 189 % | 135 % |
| Prated | 12.00 kW | 11.58 kW |
| SCOP | 4.81 | 3.45 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 10.61 kW | 10.25 kW |
| COP Tj = -7°C | 2.88 | 2.01 |
| Cdh Tj = -7 °C | 0.90 | 0.90 |
| Pdh Tj = +2°C | 6.69 kW | 6.52 kW |
| COP Tj = +2°C | 4.65 | 3.44 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 4.44 kW | 4.36 kW |
| COP Tj = +7°C | 6.62 | 4.59 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |

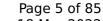




| | · · · · · · · · · · · · · · · · · · · | |
|---|---------------------------------------|-------------|
| Pdh Tj = 12°C | 3.74 kW | 3.30 kW |
| COP Tj = 12°C | 8.47 | 6.05 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 10.61 kW | 10.25 kW |
| COP Tj = Tbiv | 2.88 | 2.01 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 10.75 kW | 9.10 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.77 | 1.79 |
| WTOL | 65 °C | 65 °C |
| Poff | 14 W | 14 W |
| РТО | 24 W | 24 W |
| PSB | 14 W | 14 W |
| PCK | o w | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.26 kW | 2.50 kW |
| Annual energy consumption Qhe | 5152 kWh | 6927 kWh |
| | | |

Warmer Climate

| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 64 dB(A) | 64 dB(A) |





EN 14825

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_{s} | 256 % | 174 % |
| Prated | 11.11 kW | 12.51 kW |
| SCOP | 6.53 | 4.43 |
| Tbiv | 7 °C | 7 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 11.11 kW | 12.08 kW |
| COP Tj = +2°C | 3.59 | 2.31 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |
| Pdh Tj = $+7^{\circ}$ C | 7.14 kW | 8.04 kW |
| $COPTj = +7^{\circ}C$ | 5.87 | 3.86 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 3.56 kW | 3.75 kW |
| COP Tj = 12°C | 7.94 | 5.70 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 7.14 kW | 8.04 kW |
| COP Tj = Tbiv | 5.87 | 3.86 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 11.11 kW | 12.08 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.59 | 2.31 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | | |





| WTOL | 65 °C | 65 °C |
|--|-------------|-------------|
| Poff | 14 W | 14 W |
| РТО | 24 W | 24 W |
| PSB | 14 W | 14 W |
| PCK | o w | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.44 kW |
| Annual energy consumption Qhe | 2292 kWh | 3776 kWh |

Colder Climate

| EN 12102-1 | | | |
|---------------------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Sound power level indoor | 43 dB(A) | 43 dB(A) | |
| Sound power level outdoor | 64 dB(A) | 64 dB(A) | |

| EN 14825 | | |
|-----------------|--|--|
| Low temperature | Medium temperature | |
| 160 % | 118 % | |
| 11.38 kW | 10.32 kW | |
| 4.08 | 3.02 | |
| -15 °C | -15 °C | |
| | Low temperature 160 % 11.38 kW 4.08 | |





| | <u> </u> | |
|---|----------|---------|
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 7.05 kW | 6.63 kW |
| COP Tj = -7°C | 3.48 | 2.63 |
| Cdh Tj = -7 °C | 0.90 | 0.90 |
| Pdh Tj = +2°C | 4.68 kW | 4.07 kW |
| $COPTj = +2^{\circ}C$ | 4.96 | 3.60 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 3.14 kW | 2.78 kW |
| $COP Tj = +7^{\circ}C$ | 6.10 | 4.54 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 3.57 kW | 3.33 kW |
| COP Tj = 12°C | 7.87 | 6.25 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 9.28 kW | 8.42 kW |
| COP Tj = Tbiv | 2.59 | 1.84 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.01 kW | 4.20 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 1.98 | 1.13 |
| WTOL | 65 °C | 65 °C |
| Poff | 14 W | 14 W |
| РТО | 24 W | 24 W |
| PSB | 14 W | 14 W |
| | • | • |



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| PCK | 0 W | 0 W |
|--|-------------|-------------|
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 4.37 kW | 6.12 kW |
| Annual energy consumption Qhe | 6870 kWh | 8419 kWh |
| Pdh Tj = -15°C (if TOL<-20°C) | 9.28 | 8.42 |
| COP Tj = -15°C (if TOL $<$ -20°C) | 2.59 | 1.84 |
| Cdh Tj = -15 °C | 0.90 | 0.90 |



Model: Prima S 16GT

| Configure model | |
|-------------------------------------|---------------------------------|
| Model name Prima S 16GT | |
| Application | Heating (medium temp) |
| Units | Indoor + Outdoor |
| Climate Zone | Colder Climate + Warmer Climate |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |

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

Heating

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

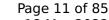
| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 16.00 kW | 16.00 kW |
| El input | 3.56 kW | 5.52 kW |
| СОР | 4.50 | 2.90 |

Average Climate



| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 68 dB(A) | 68 dB(A) |

| EN 14825 | | |
|----------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 182 % | 133 % |
| Prated | 15.21 kW | 13.02 kW |
| SCOP | 4.62 | 3.41 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 13.45 kW | 11.52 kW |
| COP Tj = -7°C | 2.72 | 1.99 |
| Cdh Tj = -7 °C | 0.90 | 0.90 |
| Pdh Tj = +2°C | 8.57 kW | 7.18 kW |
| COP Tj = +2°C | 4.41 | 3.34 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 5.70 kW | 4.68 kW |
| COP Tj = +7°C | 6.56 | 4.61 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| | l l | |

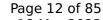




| | - | |
|---|--------------|-------------|
| Pdh Tj = 12°C | 3.78 kW | 3.32 kW |
| COP Tj = 12°C | 8.51 | 6.07 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 13.45 kW | 11.52 kW |
| COP Tj = Tbiv | 2.72 | 1.99 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.52 kW | 10.33 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.48 | 1.80 |
| WTOL | 65 °C | 65 °C |
| Poff | 14 W | 14 W |
| РТО | 24 W | 24 W |
| PSB | 14 W | 14 W |
| PCK | o w | o w |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 2.68 kW | 2.67 kW |
| Annual energy consumption Qhe | 6804 kWh | 7895 kWh |
| | | |

Warmer Climate

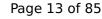
| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 68 dB(A) | 68 dB(A) |





EN 14825

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_{s} | 249 % | 176 % |
| Prated | 13.09 kW | 13.78 kW |
| SCOP | 6.33 | 4.48 |
| Tbiv | 7 °C | 7 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 13.09 kW | 13.38 kW |
| COP Tj = +2°C | 3.35 | 2.29 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |
| Pdh Tj = +7°C | 8.42 kW | 8.86 kW |
| $COPTj = +7^{\circ}C$ | 5.36 | 3.84 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 3.88 kW | 4.06 kW |
| COP Tj = 12°C | 8.11 | 5.86 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 8.42 kW | 8.86 kW |
| COP Tj = Tbiv | 5.36 | 3.84 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 13.09 kW | 13.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.35 | 2.29 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | | |



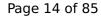


| WTOL | 65 °C | 65 °C |
|--|-------------|-------------|
| Poff | 14 W | 14 W |
| РТО | 24 W | 24 W |
| PSB | 14 W | 14 W |
| PCK | o w | o w |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.40 kW |
| Annual energy consumption Qhe | 2781 kWh | 4112 kWh |

Colder Climate

| EN 12102-1 | | | |
|---------------------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Sound power level indoor | 43 dB(A) | 43 dB(A) | |
| Sound power level outdoor | 68 dB(A) | 68 dB(A) | |

| EN 14825 | | |
|------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{S} | 158 % | 122 % |
| Prated | 13.76 kW | 11.79 kW |
| SCOP | 4.02 | 3.12 |
| Tbiv | -15 °C | -15 °C |
| | | |





| TOL | -22 °C | -22 °C |
|---|----------|---------|
| Pdh Tj = -7°C | 8.31 kW | 7.64 kW |
| COP Tj = -7°C | 3.37 | 2.65 |
| Cdh Tj = -7 °C | 0.90 | 0.90 |
| Pdh Tj = +2°C | 5.27 kW | 4.43 kW |
| COP Tj = +2°C | 4.86 | 3.79 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 3.62 kW | 2.98 kW |
| $COP Tj = +7^{\circ}C$ | 6.49 | 4.81 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 3.35 kW | 3.43 kW |
| COP Tj = 12°C | 7.40 | 6.29 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 11.22 kW | 9.62 kW |
| COP Tj = Tbiv | 2.43 | 1.86 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 8.89 kW | 5.22 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 1.97 | 1.23 |
| WTOL | 65 °C | 65 °C |
| Poff | 14 W | 14 W |
| РТО | 24 W | 24 W |
| PSB | 14 W | 14 W |
| | | |



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| PCK | 0 W | 0 W |
|--|-------------|-------------|
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 4.87 kW | 6.57 kW |
| Annual energy consumption Qhe | 8431 kWh | 9309 kWh |
| Pdh Tj = -15°C (if TOL<-20°C) | 11.22 | 9.62 |
| COP Tj = -15°C (if TOL $<$ -20°C) | 2.43 | 1.86 |
| Cdh Tj = -15 °C | 0.90 | 0.90 |



Model: Prima 12GT

| Configure model | | |
|-------------------------------------|---------------------------------|--|
| Model name | Prima 12GT | |
| Application | Heating (medium temp) | |
| Units | Outdoor | |
| Climate Zone | Colder Climate + Warmer Climate | |
| Reversibility | Yes | |
| Cooling mode application (optional) | n/a | |

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

Heating

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

| EN 14511-2 | | | |
|------------------------------------|----------|----------|--|
| Low temperature Medium temperature | | | |
| Heat output | 12.10 kW | 11.90 kW | |
| El input | 2.44 kW | 3.90 kW | |
| СОР | 4.95 | 3.05 | |

Average Climate



| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level outdoor | 65 dB(A) | 65 dB(A) |

| EN 14825 | | |
|----------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 189 % | 135 % |
| Prated | 12.00 kW | 11.58 kW |
| SCOP | 4.81 | 3.45 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 10.61 kW | 10.25 kW |
| COP Tj = -7°C | 2.88 | 2.01 |
| Cdh Tj = -7 °C | 0.90 | 0.90 |
| Pdh Tj = +2°C | 6.69 kW | 6.52 kW |
| COP Tj = +2°C | 4.65 | 3.44 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 4.44 kW | 4.36 kW |
| COP Tj = +7°C | 6.62 | 4.59 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 3.74 kW | 3.30 kW |



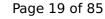


| Cdh Tj = +12 °C 0.90 0.90 Pdh Tj = Tbiv 10.61 kW 10.25 kW COP Tj = Tbiv 2.88 2.01 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 10.75 kW 9.10 kW COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh 2.77 1.79 WTOL 65 °C 65 °C Poff 14 W 14 W PTO 24 W 24 W PSB 14 W 14 W PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 1.26 kW 2.50 kW | | | |
|--|---|-------------|-------------|
| Pdh Tj = Tbiv 10.61 kW 10.25 kW COP Tj = Tbiv 2.88 2.01 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | COP Tj = 12°C | 8.47 | 6.05 |
| COP Tj = Tbiv 2.88 2.01 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | Pdh Tj = Tbiv | 10.61 kW | 10.25 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | COP Tj = Tbiv | 2.88 | 2.01 |
| WTOL 65 °C 65 °C Poff 14 W 14 W PTO 24 W 24 W PSB 14 W 14 W PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 1.26 kW 2.50 kW | Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 10.75 kW | 9.10 kW |
| Poff 14 W 14 W PTO 24 W 24 W PSB 14 W 14 W PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 1.26 kW 2.50 kW | COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.77 | 1.79 |
| PTO 24 W 24 W PSB 14 W 14 W O W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 1.26 kW 2.50 kW | WTOL | 65 °C | 65 °C |
| PSB 14 W 14 W PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 1.26 kW 2.50 kW | Poff | 14 W | 14 W |
| PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 1.26 kW 2.50 kW | РТО | 24 W | 24 W |
| Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 1.26 kW 2.50 kW | PSB | 14 W | 14 W |
| Supplementary Heater: PSUP 1.26 kW 2.50 kW | PCK | o w | o w |
| | Supplementary Heater: Type of energy input | Electricity | Electricity |
| Annual energy consumption Qhe 5152 kWh 6927 kWh | Supplementary Heater: PSUP | 1.26 kW | 2.50 kW |
| | Annual energy consumption Qhe | 5152 kWh | 6927 kWh |

Warmer Climate

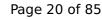
| EN 12102-1 | | | |
|---------------------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Sound power level outdoor | 65 dB(A) | 65 dB(A) | |

| EN 14825 | | |
|----------|-----------------|--------------------|
| | Low temperature | Medium temperature |





| This information was genera | • | |
|---|----------|----------|
| η_{s} | 256 % | 174 % |
| Prated | 11.11 kW | 12.51 kW |
| SCOP | 6.53 | 4.43 |
| Tbiv | 7 °C | 7 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 11.11 kW | 12.08 kW |
| COP Tj = +2°C | 3.59 | 2.31 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |
| Pdh Tj = $+7^{\circ}$ C | 7.14 kW | 8.04 kW |
| $COPTj = +7^{\circ}C$ | 5.87 | 3.86 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 3.56 kW | 3.75 kW |
| COP Tj = 12°C | 7.94 | 5.70 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 7.14 kW | 8.04 kW |
| COP Tj = Tbiv | 5.87 | 3.86 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 11.11 kW | 12.08 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.59 | 2.31 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | | |
| WTOL | 65 °C | 65 °C |





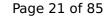
| This information was generated by the HP KEYMARK database on 18 Mar 2022 | | | |
|--|------|------|--|
| | 14 W | 14 W | |

| Poff | 14 W | 14 W |
|--|-------------|-------------|
| РТО | 24 W | 24 W |
| PSB | 14 W | 14 W |
| PCK | o w | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.44 kW |
| Annual energy consumption Qhe | 2292 kWh | 3776 kWh |

Colder Climate

| EN 12102-1 | | | |
|---------------------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Sound power level outdoor | 65 dB(A) | 65 dB(A) | |

| EN 14825 | | |
|---------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 160 % | 118 % |
| Prated | 11.38 kW | 10.32 kW |
| SCOP | 4.08 | 3.02 |
| Tbiv | -15 °C | -15 °C |
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 7.05 kW | 6.63 kW |
| | | |





| This information was genera | iced by the in item in | ar database on ion ion bol |
|---|------------------------|----------------------------|
| COP Tj = -7°C | 3.48 | 2.63 |
| Cdh Tj = -7 °C | 0.90 | 0.90 |
| Pdh Tj = +2°C | 4.68 kW | 4.07 kW |
| COP Tj = +2°C | 4.96 | 3.60 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 3.14 kW | 2.78 kW |
| $COP Tj = +7^{\circ}C$ | 6.10 | 4.54 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 3.57 kW | 3.33 kW |
| COP Tj = 12°C | 7.87 | 6.25 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 9.28 kW | 8.42 kW |
| COP Tj = Tbiv | 2.59 | 1.84 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.01 kW | 4.20 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 1.98 | 1.13 |
| WTOL | 65 °C | 65 °C |
| Poff | 14 W | 14 W |
| РТО | 24 W | 24 W |
| PSB | 14 W | 14 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| | | |



$$\operatorname{\textit{Page}}\xspace$ 22 of 85 This information was generated by the HP KEYMARK database on 18 Mar 2022

| Supplementary Heater: PSUP | 4.37 kW | 6.12 kW |
|-----------------------------------|----------|----------|
| Annual energy consumption Qhe | 6870 kWh | 8419 kWh |
| Pdh Tj = -15°C (if TOL<-20°C) | 9.28 | 8.42 |
| COP Tj = -15°C (if TOL $<$ -20°C) | 2.59 | 1.84 |
| Cdh Tj = -15 °C | 0.90 | 0.90 |

Model: Prima 14GT

| Configure model | | |
|-------------------------------------|---------------------------------|--|
| Model name | Prima 14GT | |
| Application | Heating (medium temp) | |
| Units | Outdoor | |
| Climate Zone | Colder Climate + Warmer Climate | |
| Reversibility | Yes | |
| Cooling mode application (optional) | n/a | |

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

Heating

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

| EN 14511-2 | | | |
|-------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Heat output | 14.50 kW | 13.80 kW | |
| El input | 3.15 kW | 4.68 kW | |
| СОР | 4.60 | 2.95 | |

Average Climate



| EN 12102-1 | | | |
|------------------------------------|----------|----------|--|
| Low temperature Medium temperature | | | |
| Sound power level outdoor | 65 dB(A) | 65 dB(A) | |

| EN 14825 | | | |
|-------------------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| η_{s} | 186 % | 136 % | |
| Prated | 13.73 kW | 12.08 kW | |
| SCOP | 4.72 | 3.47 | |
| Tbiv | -7 °C | -7 °C | |
| TOL | -10 °C | -10 °C | |
| Pdh Tj = -7 °C | 12.14 kW | 10.69 kW | |
| COP Tj = -7°C | 2.79 | 2.01 | |
| Cdh Tj = -7 °C | 0.90 | 0.90 | |
| Pdh Tj = $+2^{\circ}$ C | 7.95 kW | 6.86 kW | |
| COP Tj = +2°C | 4.52 | 3.43 | |
| Cdh Tj = +2 °C | 0.90 | 0.90 | |
| Pdh Tj = $+7^{\circ}$ C | 5.20 kW | 4.64 kW | |
| $COP Tj = +7^{\circ}C$ | 6.68 | 4.66 | |
| Cdh Tj = +7 °C | 0.90 | 0.90 | |
| Pdh Tj = 12°C | 3.76 kW | 3.32 kW | |
| | | | |



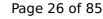


| | 1 | |
|---|-------------|-------------|
| COP Tj = 12°C | 8.52 | 6.13 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 12.14 kW | 10.69 kW |
| COP Tj = Tbiv | 2.79 | 2.01 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 11.48 kW | 9.19 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.59 | 1.76 |
| WTOL | 65 °C | 65 °C |
| Poff | 14 W | 14 W |
| РТО | 24 W | 24 W |
| PSB | 14 W | 14 W |
| PCK | o w | o w |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 2.23 kW | 2.91 kW |
| Annual energy consumption Qhe | 6012 kWh | 7202 kWh |

Warmer Climate

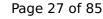
| EN 12102-1 | | | |
|---------------------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Sound power level outdoor | 65 dB(A) | 65 dB(A) | |

| EN 1482 | 25 | |
|---------|-----------------|--------------------|
| | Low temperature | Medium temperature |





| <u> </u> | - | THE COLUMN TO THE |
|---|----------|-------------------|
| η_{s} | 260 % | 177 % |
| Prated | 12.11 kW | 13.74 kW |
| SCOP | 6.63 | 4.49 |
| Tbiv | 7 °C | 7 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = $+2$ °C | 12.04 kW | 13.05 kW |
| $COP Tj = +2^{\circ}C$ | 3.44 | 2.20 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = $+7^{\circ}$ C | 7.78 kW | 8.83 kW |
| $COPTj = +7^{\circ}C$ | 5.84 | 3.91 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 3.75 kW | 4.09 kW |
| COP Tj = 12°C | 8.25 | 5.90 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 7.78 kW | 8.83 kW |
| COP Tj = Tbiv | 5.84 | 3.91 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL $<$ Tdesignh | 12.04 kW | 13.05 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.44 | 2.20 |
| WTOL | 65 °C | 65 °C |
| Poff | 14 W | 14 W |



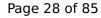


| РТО | 24 W | 24 W |
|--|-------------|-------------|
| PSB | 14 W | 14 W |
| PCK | o w | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.07 kW | 0.69 kW |
| Annual energy consumption Qhe | 2457 kWh | 4088 kWh |

Colder Climate

| EN 12102-1 | | | |
|---------------------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Sound power level outdoor | 65 dB(A) | 65 dB(A) | |

| EN 14825 | | | |
|---------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| η_{s} | 160 % | 119 % | |
| Prated | 12.64 kW | 10.97 kW | |
| SCOP | 4.07 | 3.05 | |
| Tbiv | -15 °C | -15 °C | |
| TOL | -22 °C | -22 °C | |
| Pdh Tj = -7°C | 7.97 kW | 6.89 kW | |
| COP Tj = -7°C | 3.44 | 2.66 | |





| This information was genera | iced by the in item in | iii aatabase oii 10 i iai 202 |
|---|------------------------|-------------------------------|
| Cdh Tj = -7 °C | 0.90 | 0.90 |
| Pdh Tj = +2°C | 5.05 kW | 4.32 kW |
| COP Tj = +2°C | 4.92 | 3.66 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 3.16 kW | 3.06 kW |
| $COPTj = +7^{\circ}C$ | 6.11 | 4.72 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 3.58 kW | 3.33 kW |
| COP Tj = 12°C | 7.82 | 6.25 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 10.31 kW | 8.95 kW |
| COP Tj = Tbiv | 2.53 | 1.79 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.57 kW | 4.20 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 1.92 | 1.13 |
| WTOL | 65 °C | 65 °C |
| Poff | 14 W | 14 W |
| РТО | 24 W | 24 W |
| PSB | 14 W | 14 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 5.07 kW | 6.77 kW |
| | | |



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| Annual energy consumption Qhe | 7667 kWh | 8866 kWh |
|-----------------------------------|----------|----------|
| Pdh Tj = -15°C (if TOL<-20°C) | 10.31 | 8.95 |
| COP Tj = -15°C (if TOL $<$ -20°C) | 2.53 | 1.79 |
| Cdh Tj = -15 °C | 0.90 | 0.90 |

Model: Prima 16GT

| Configure model | | |
|-------------------------------------|---------------------------------|--|
| Model name | Prima 16GT | |
| Application | Heating (medium temp) | |
| Units | Outdoor | |
| Climate Zone | Colder Climate + Warmer Climate | |
| Reversibility | Yes | |
| Cooling mode application (optional) | n/a | |

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

Heating

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

| EN 14511-2 | | | |
|------------------------------------|----------|----------|--|
| Low temperature Medium temperature | | | |
| Heat output | 15.90 kW | 16.00 kW | |
| El input | 3.53 kW | 5.61 kW | |
| СОР | 4.50 | 2.85 | |

Average Climate



| EN 12102-1 | | | |
|------------------------------------|----------|----------|--|
| Low temperature Medium temperature | | | |
| Sound power level outdoor | 68 dB(A) | 68 dB(A) | |

| EN 14825 | | |
|----------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 182 % | 133 % |
| Prated | 15.21 kW | 13.02 kW |
| SCOP | 4.62 | 3.41 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 13.45 kW | 11.52 kW |
| COP Tj = -7°C | 2.72 | 1.99 |
| Cdh Tj = -7 °C | 0.90 | 0.90 |
| Pdh Tj = +2°C | 8.57 kW | 7.18 kW |
| COP Tj = +2°C | 4.41 | 3.34 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 5.70 kW | 4.68 kW |
| COP Tj = +7°C | 6.56 | 4.61 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 3.78 kW | 3.32 kW |



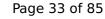


| Cdh Tj = +12 °C 0.90 0.90 Pdh Tj = Tbiv 13.45 kW 11.52 kW COP Tj = Tbiv 2.72 1.99 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 12.52 kW 10.33 kW COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh 2.48 1.80 WTOL 65 °C 65 °C Poff 14 W 14 W PTO 24 W 24 W PSB 14 W 14 W PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 2.68 kW 2.67 kW | | | |
|---|---|-------------|-------------|
| Pdh Tj = Tbiv 13.45 kW 11.52 kW COP Tj = Tbiv 2.72 1.99 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | COP Tj = 12°C | 8.51 | 6.07 |
| COP Tj = Tbiv 2.72 1.99 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | Pdh Tj = Tbiv | 13.45 kW | 11.52 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | COP Tj = Tbiv | 2.72 | 1.99 |
| WTOL 65 °C 65 °C Poff 14 W 14 W PTO 24 W 24 W PSB 14 W 14 W PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 2.68 kW 2.67 kW | Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.52 kW | 10.33 kW |
| Poff 14 W 14 W PTO 24 W 24 W PSB 14 W 14 W PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 2.68 kW 2.67 kW | COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.48 | 1.80 |
| PTO 24 W 24 W PSB 14 W 14 W O W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 2.68 kW 2.67 kW | WTOL | 65 °C | 65 °C |
| PSB 14 W 14 W PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 2.68 kW 2.67 kW | Poff | 14 W | 14 W |
| PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 2.68 kW 2.67 kW | РТО | 24 W | 24 W |
| Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 2.68 kW 2.67 kW | PSB | 14 W | 14 W |
| Supplementary Heater: PSUP 2.68 kW 2.67 kW | PCK | o w | o w |
| | Supplementary Heater: Type of energy input | Electricity | Electricity |
| Annual energy consumption Qhe 6804 kWh 7895 kWh | Supplementary Heater: PSUP | 2.68 kW | 2.67 kW |
| | Annual energy consumption Qhe | 6804 kWh | 7895 kWh |

Warmer Climate

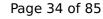
| EN 12102-1 | | | |
|------------------------------------|----------|----------|--|
| Low temperature Medium temperature | | | |
| Sound power level outdoor | 68 dB(A) | 68 dB(A) | |

| EN 14825 | | |
|----------|-----------------|--------------------|
| | Low temperature | Medium temperature |





| This information was gener | | |
|---|----------|----------|
| η_s | 249 % | 176 % |
| Prated | 13.09 kW | 13.78 kW |
| SCOP | 6.33 | 4.48 |
| Tbiv | 7 °C | 7 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 13.09 kW | 13.38 kW |
| $COP Tj = +2^{\circ}C$ | 3.35 | 2.29 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |
| Pdh Tj = +7°C | 8.42 kW | 8.86 kW |
| $COP Tj = +7^{\circ}C$ | 5.36 | 3.84 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 3.88 kW | 4.06 kW |
| COP Tj = 12°C | 8.11 | 5.86 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 8.42 kW | 8.86 kW |
| COP Tj = Tbiv | 5.36 | 3.84 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 13.09 kW | 13.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.35 | 2.29 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | | |
| WTOL | 65 °C | 65 °C |





| Poff | 14 W | 14 W |
|--|-------------|-------------|
| РТО | 24 W | 24 W |
| PSB | 14 W | 14 W |
| PCK | o w | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.40 kW |
| Annual energy consumption Qhe | 2781 kWh | 4112 kWh |

Colder Climate

| EN 12102-1 | | | |
|---------------------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Sound power level outdoor | 68 dB(A) | 68 dB(A) | |

| EN 14825 | | | |
|---------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| η_{s} | 158 % | 122 % | |
| Prated | 13.76 kW | 11.79 kW | |
| SCOP | 4.02 | 3.12 | |
| Tbiv | -15 °C | -15 °C | |
| TOL | -22 °C | -22 °C | |
| Pdh Tj = -7°C | 8.31 kW | 7.64 kW | |
| | | | |





| This information was gener | | |
|---|-------------|-------------|
| COP Tj = -7° C | 3.37 | 2.65 |
| Cdh Tj = -7 °C | 0.90 | 0.90 |
| Pdh Tj = +2°C | 5.27 kW | 4.43 kW |
| COP Tj = +2°C | 4.86 | 3.79 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 3.62 kW | 2.98 kW |
| $COP Tj = +7^{\circ}C$ | 6.49 | 4.81 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 3.35 kW | 3.43 kW |
| COP Tj = 12°C | 7.40 | 6.29 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 11.22 kW | 9.62 kW |
| COP Tj = Tbiv | 2.43 | 1.86 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 8.89 kW | 5.22 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 1.97 | 1.23 |
| WTOL | 65 °C | 65 °C |
| Poff | 14 W | 14 W |
| РТО | 24 W | 24 W |
| PSB | 14 W | 14 W |
| РСК | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |



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| Supplementary Heater: PSUP | 4.87 kW | 6.57 kW |
|-----------------------------------|----------|----------|
| Annual energy consumption Qhe | 8431 kWh | 9309 kWh |
| Pdh Tj = -15°C (if TOL<-20°C) | 11.22 | 9.62 |
| COP Tj = -15°C (if TOL $<$ -20°C) | 2.43 | 1.86 |
| Cdh Tj = -15 °C | 0.90 | 0.90 |

Model: Prima S3F 12GT

| Configure model | | |
|-------------------------------------|---------------------------------|--|
| Model name | Prima S3F 12GT | |
| Application | Heating (medium temp) | |
| Units | Indoor + Outdoor | |
| Climate Zone | Colder Climate + Warmer Climate | |
| Reversibility | Yes | |
| Cooling mode application (optional) | n/a | |

| General Data | | |
|--------------|-------------|--|
| Power supply | 3x400V 50Hz | |

Heating

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

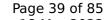
| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 12.10 kW | 12.00 kW |
| El input | 2.44 kW | 3.87 kW |
| СОР | 4.95 | 3.10 |

Average Climate



| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 64 dB(A) | 64 dB(A) |

| EN 14825 | | |
|------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 189 % | 135 % |
| Prated | 12.00 kW | 11.58 kW |
| SCOP | 4.81 | 3.45 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 10.61 kW | 10.25 kW |
| COP Tj = -7°C | 2.88 | 2.01 |
| Cdh Tj = -7 °C | 0.90 | 0.90 |
| Pdh Tj = $+2$ °C | 6.69 kW | 6.52 kW |
| COP Tj = +2°C | 4.65 | 3.44 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 4.44 kW | 4.36 kW |
| COP Tj = +7°C | 6.62 | 4.59 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |

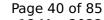




| Pdh Tj = 12°C | 3.74 kW | 3.30 kW |
|---|-------------|-------------|
| COP Tj = 12°C | 8.47 | 6.05 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 10.61 kW | 10.25 kW |
| COP Tj = Tbiv | 2.88 | 2.01 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 10.75 kW | 9.10 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.77 | 1.79 |
| WTOL | 65 °C | 65 °C |
| Poff | 20 W | 20 W |
| РТО | 30 W | 30 W |
| PSB | 20 W | 20 W |
| PCK | o w | o w |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.26 kW | 2.50 kW |
| Annual energy consumption Qhe | 5153 kWh | 6928 kWh |
| | | |

Warmer Climate

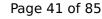
| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 64 dB(A) | 64 dB(A) |





EN 14825

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_{s} | 256 % | 174 % |
| Prated | 11.11 kW | 12.51 kW |
| SCOP | 6.53 | 4.42 |
| Tbiv | 7 °C | 7 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 11.11 kW | 12.08 kW |
| COP Tj = +2°C | 3.59 | 2.31 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |
| Pdh Tj = +7°C | 7.14 kW | 8.04 kW |
| $COPTj = +7^{\circ}C$ | 5.87 | 3.86 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 3.56 kW | 3.75 kW |
| COP Tj = 12°C | 7.94 | 5.70 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 7.14 kW | 8.04 kW |
| COP Tj = Tbiv | 5.87 | 3.86 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 11.11 kW | 12.08 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.59 | 2.31 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | | |





| WTOL | 65 °C | 65 °C |
|--|-------------|-------------|
| Poff | 20 W | 20 W |
| РТО | 30 W | 30 W |
| PSB | 20 W | 20 W |
| PCK | o w | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.44 kW |
| Annual energy consumption Qhe | 2296 kWh | 3780 kWh |

Colder Climate

| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 64 dB(A) | 64 dB(A) |

| EN 14825 | | |
|------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{S} | 160 % | 118 % |
| Prated | 11.38 kW | 10.32 kW |
| SCOP | 4.08 | 3.02 |
| Tbiv | -15 °C | -15 °C |
| | | |





| TOL | -22 °C | -22 °C |
|---|---------|---------|
| Pdh Tj = -7°C | 7.05 kW | 6.63 kW |
| COP Tj = -7°C | 3.48 | 2.63 |
| Cdh Tj = -7 °C | 0.90 | 0.90 |
| Pdh Tj = +2°C | 4.68 kW | 4.07 kW |
| COP Tj = +2°C | 4.96 | 3.60 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 3.14 kW | 2.78 kW |
| COP Tj = +7°C | 6.10 | 4.54 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 3.57 kW | 3.33 kW |
| COP Tj = 12°C | 7.87 | 6.25 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 9.28 kW | 8.42 kW |
| COP Tj = Tbiv | 2.59 | 1.84 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.01 kW | 4.20 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 1.98 | 1.13 |
| WTOL | 65 °C | 65 °C |
| Poff | 20 W | 20 W |
| РТО | 30 W | 30 W |
| PSB | 20 W | 20 W |
| | + | ! |



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| PCK | 0 W | 0 W |
|--|-------------|-------------|
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 4.37 kW | 6.12 kW |
| Annual energy consumption Qhe | 6871 kWh | 8420 kWh |
| Pdh Tj = -15°C (if TOL<-20°C) | 9.28 | 8.42 |
| COP Tj = -15°C (if TOL $<$ -20°C) | 2.59 | 1.84 |
| Cdh Tj = -15 °C | 0.90 | 0.90 |



Model: Prima S3F 14GT

| Configure model | | |
|-------------------------------------|---------------------------------|--|
| Model name | Prima S3F 14GT | |
| Application | Heating (medium temp) | |
| Units | Indoor + Outdoor | |
| Climate Zone | Colder Climate + Warmer Climate | |
| Reversibility | Yes | |
| Cooling mode application (optional) | n/a | |

| General Data | |
|--------------------------|--|
| Power supply 3x400V 50Hz | |

Heating

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

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 14.50 kW | 13.80 kW |
| El input | 3.09 kW | 4.60 kW |
| СОР | 4.70 | 3.00 |

Average Climate



| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 65 dB(A) | 65 dB(A) |

| EN 14825 | | |
|----------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 186 % | 136 % |
| Prated | 13.73 kW | 12.08 kW |
| SCOP | 4.72 | 3.47 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 12.14 kW | 10.69 kW |
| COP Tj = -7°C | 2.79 | 2.01 |
| Cdh Tj = -7 °C | 0.90 | 0.90 |
| Pdh Tj = +2°C | 7.95 kW | 6.86 kW |
| COP Tj = +2°C | 4.52 | 3.43 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 5.20 kW | 4.64 kW |
| COP Tj = +7°C | 6.68 | 4.66 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |





| | · · · · · · · · · · · · · · · · · · · | |
|---|---------------------------------------|-------------|
| Pdh Tj = 12°C | 3.76 kW | 3.32 kW |
| COP Tj = 12°C | 8.52 | 6.13 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 12.14 kW | 10.69 kW |
| COP Tj = Tbiv | 2.79 | 2.01 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 11.48 kW | 9.19 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.59 | 1.76 |
| WTOL | 65 °C | 65 °C |
| Poff | 20 W | 20 W |
| РТО | 30 W | 30 W |
| PSB | 20 W | 20 W |
| PCK | o w | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 2.23 kW | 2.91 kW |
| Annual energy consumption Qhe | 6013 kWh | 7203 kWh |
| | | |

Warmer Climate

| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 65 dB(A) | 65 dB(A) |





EN 14825

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_{s} | 260 % | 176 % |
| Prated | 12.11 kW | 13.74 kW |
| SCOP | 6.63 | 4.48 |
| Tbiv | 7 °C | 7 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 12.04 kW | 13.05 kW |
| COP Tj = +2°C | 3.44 | 2.20 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |
| Pdh Tj = +7°C | 7.78 kW | 8.83 kW |
| $COP Tj = +7^{\circ}C$ | 5.84 | 3.91 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 3.75 kW | 4.09 kW |
| COP Tj = 12°C | 8.25 | 5.90 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 7.78 kW | 8.83 kW |
| COP Tj = Tbiv | 5.84 | 3.91 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.04 kW | 13.05 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.44 | 2.20 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | | |





| WTOL | 65 °C | 65 °C |
|--|-------------|-------------|
| Poff | 20 W | 20 W |
| РТО | 30 W | 30 W |
| PSB | 20 W | 20 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.07 kW | 0.69 kW |
| Annual energy consumption Qhe | 2462 kWh | 4092 kWh |

Colder Climate

| EN 12102-1 | | | |
|---------------------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Sound power level indoor | 43 dB(A) | 43 dB(A) | |
| Sound power level outdoor | 65 dB(A) | 65 dB(A) | |

| EN 14825 | | |
|------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 160 % | 119 % |
| Prated | 12.64 kW | 10.97 kW |
| SCOP | 4.06 | 3.05 |
| Tbiv | -15 °C | -15 °C |
| | · | · |





| | <u> </u> | |
|---|----------|---------|
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 7.97 kW | 6.89 kW |
| COP Tj = -7°C | 3.44 | 2.66 |
| Cdh Tj = -7 °C | 0.90 | 0.90 |
| Pdh Tj = +2°C | 5.05 kW | 4.32 kW |
| COP Tj = +2°C | 4.92 | 3.66 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 3.16 kW | 3.06 kW |
| $COP Tj = +7^{\circ}C$ | 6.11 | 4.72 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 3.58 kW | 3.33 kW |
| COP Tj = 12°C | 7.82 | 6.25 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 10.31 kW | 8.95 kW |
| COP Tj = Tbiv | 2.53 | 1.79 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.57 kW | 4.20 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 1.92 | 1.13 |
| WTOL | 65 °C | 65 °C |
| Poff | 20 W | 20 W |
| РТО | 30 W | 30 W |
| PSB | 20 W | 20 W |
| | + | • |



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| PCK | 0 W | 0 W |
|--|-------------|-------------|
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 5.07 kW | 6.77 kW |
| Annual energy consumption Qhe | 7667 kWh | 8867 kWh |
| Pdh Tj = -15°C (if TOL<-20°C) | 10.31 | 8.95 |
| COP Tj = -15°C (if TOL $<$ -20°C) | 2.53 | 1.79 |
| Cdh Tj = -15 °C | 0.90 | 0.90 |



Model: Prima S3F 16GT

| Configure model | | |
|-------------------------------------|---------------------------------|--|
| Model name | Prima S3F 16GT | |
| Application | Heating (medium temp) | |
| Units | Indoor + Outdoor | |
| Climate Zone | Colder Climate + Warmer Climate | |
| Reversibility | Yes | |
| Cooling mode application (optional) | n/a | |

| General Data | | |
|--------------------------|--|--|
| Power supply 3x400V 50Hz | | |

Heating

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

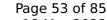
| EN 14511-2 | | |
|------------------------------------|----------|----------|
| Low temperature Medium temperature | | |
| Heat output | 16.00 kW | 16.00 kW |
| El input | 3.56 kW | 5.52 kW |
| СОР | 4.50 | 2.90 |

Average Climate



| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 68 dB(A) | 68 dB(A) |

| EN 14825 | | |
|------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 182 % | 133 % |
| Prated | 15.21 kW | 13.02 kW |
| SCOP | 4.62 | 3.41 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 13.45 kW | 11.52 kW |
| COP Tj = -7°C | 2.72 | 1.99 |
| Cdh Tj = -7 °C | 0.90 | 0.90 |
| Pdh Tj = $+2$ °C | 8.57 kW | 7.18 kW |
| COP Tj = +2°C | 4.41 | 3.34 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 5.70 kW | 4.68 kW |
| COP Tj = +7°C | 6.56 | 4.61 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |

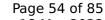




| | - | |
|---|--------------|-------------|
| Pdh Tj = 12°C | 3.78 kW | 3.32 kW |
| COP Tj = 12°C | 8.51 | 6.07 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 13.45 kW | 11.52 kW |
| COP Tj = Tbiv | 2.72 | 1.99 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.52 kW | 10.33 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.48 | 1.80 |
| WTOL | 65 °C | 65 °C |
| Poff | 20 W | 20 W |
| РТО | 30 W | 30 W |
| PSB | 20 W | 20 W |
| PCK | o w | o w |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 2.68 kW | 2.67 kW |
| Annual energy consumption Qhe | 6805 kWh | 7896 kWh |
| | | |

Warmer Climate

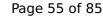
| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 68 dB(A) | 68 dB(A) |





EN 14825

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_{s} | 248 % | 176 % |
| Prated | 13.09 kW | 13.78 kW |
| SCOP | 6.33 | 4.47 |
| Tbiv | 7 °C | 7 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = $+2$ °C | 13.09 kW | 13.38 kW |
| COP Tj = +2°C | 3.35 | 2.29 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |
| Pdh Tj = $+7^{\circ}$ C | 8.42 kW | 8.86 kW |
| $COPTj = +7^{\circ}C$ | 5.36 | 3.84 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 3.88 kW | 4.06 kW |
| COP Tj = 12°C | 8.11 | 5.86 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 8.42 kW | 8.86 kW |
| COP Tj = Tbiv | 5.36 | 3.84 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL $<$ Tdesignh | 13.09 kW | 13.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.35 | 2.29 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | | |



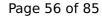


| WTOL | 65 °C | 65 °C |
|--|-------------|-------------|
| Poff | 20 W | 20 W |
| PTO | 30 W | 30 W |
| PSB | 20 W | 20 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.40 kW |
| Annual energy consumption Qhe | 2786 kWh | 4116 kWh |

Colder Climate

| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 68 dB(A) | 68 dB(A) |

| EN 14825 | | |
|------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 158 % | 122 % |
| Prated | 13.76 kW | 11.79 kW |
| SCOP | 4.02 | 3.12 |
| Tbiv | -15 °C | -15 °C |
| | | · |





| | - | |
|---|----------|---------|
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 8.31 kW | 7.64 kW |
| COP Tj = -7°C | 3.37 | 2.65 |
| Cdh Tj = -7 °C | 0.90 | 0.90 |
| Pdh Tj = +2°C | 5.27 kW | 4.43 kW |
| $COP Tj = +2^{\circ}C$ | 4.86 | 3.79 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 3.62 kW | 2.98 kW |
| $COP Tj = +7^{\circ}C$ | 6.49 | 4.81 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 3.35 kW | 3.43 kW |
| COP Tj = 12°C | 7.40 | 6.29 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 11.22 kW | 9.62 kW |
| COP Tj = Tbiv | 2.43 | 1.86 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 8.89 kW | 5.22 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 1.97 | 1.23 |
| WTOL | 65 °C | 65 °C |
| Poff | 20 W | 20 W |
| РТО | 30 W | 30 W |
| PSB | 20 W | 20 W |
| | · | · |



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| PCK | 0 W | 0 W |
|--|-------------|-------------|
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 4.87 kW | 6.57 kW |
| Annual energy consumption Qhe | 8431 kWh | 9310 kWh |
| Pdh Tj = -15°C (if TOL<-20°C) | 11.22 | 9.62 |
| COP Tj = -15°C (if TOL $<$ -20°C) | 2.43 | 1.86 |
| Cdh Tj = -15 °C | 0.90 | 0.90 |





Model: Prima 3F 12GT

| Configure model | | |
|-------------------------------------|---------------------------------|--|
| Model name | Prima 3F 12GT | |
| Application | Heating (medium temp) | |
| Units | Outdoor | |
| Climate Zone | Colder Climate + Warmer Climate | |
| Reversibility | Yes | |
| Cooling mode application (optional) | n/a | |

| General Data | | |
|--------------|-------------|--|
| Power supply | 3x400V 50Hz | |

Heating

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

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 12.10 kW | 11.90 kW |
| El input | 2.44 kW | 3.90 kW |
| СОР | 4.95 | 3.05 |

Average Climate



| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level outdoor | 65 dB(A) | 65 dB(A) |

| EN 14825 | | |
|----------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 189 % | 135 % |
| Prated | 12.00 kW | 11.58 kW |
| SCOP | 4.81 | 3.45 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 10.61 kW | 10.25 kW |
| COP Tj = -7°C | 2.88 | 2.01 |
| Cdh Tj = -7 °C | 0.90 | 0.90 |
| Pdh Tj = +2°C | 6.69 kW | 6.52 kW |
| COP Tj = +2°C | 4.65 | 3.44 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 4.44 kW | 4.36 kW |
| COP Tj = +7°C | 6.62 | 4.59 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 3.74 kW | 3.30 kW |



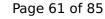


| Cdh Tj = +12 °C 0.90 0.90 Pdh Tj = Tbiv 10.61 kW 10.25 kW COP Tj = Tbiv 2.88 2.01 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 10.75 kW 9.10 kW COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh 2.77 1.79 WTOL 65 °C 65 °C Poff 20 W 20 W PTO 30 W 30 W PSB 20 W 20 W PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 1.26 kW 2.50 kW | | | |
|--|---|-------------|-------------|
| Pdh Tj = Tbiv 10.61 kW 10.25 kW COP Tj = Tbiv 2.88 2.01 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | COP Tj = 12°C | 8.47 | 6.05 |
| COP Tj = Tbiv 2.88 2.01 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | Pdh Tj = Tbiv | 10.61 kW | 10.25 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | COP Tj = Tbiv | 2.88 | 2.01 |
| WTOL 65 °C 65 °C Poff 20 W 20 W PTO 30 W 20 W PSB 20 W 20 W PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 1.26 kW 20 W | Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 10.75 kW | 9.10 kW |
| Poff 20 W 20 W PTO 30 W 30 W PSB 20 W 20 W PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 1.26 kW 2.50 kW | COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.77 | 1.79 |
| PTO 30 W 30 W PSB 20 W 20 W PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 1.26 kW 2.50 kW | WTOL | 65 °C | 65 °C |
| PSB 20 W 20 W PCK 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 1.26 kW 20 W 20 W | Poff | 20 W | 20 W |
| PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 1.26 kW 2.50 kW | РТО | 30 W | 30 W |
| Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 1.26 kW 2.50 kW | PSB | 20 W | 20 W |
| Supplementary Heater: PSUP 1.26 kW 2.50 kW | PCK | o w | 0 W |
| | Supplementary Heater: Type of energy input | Electricity | Electricity |
| Annual energy consumption Qhe 5153 kWh 6928 kWh | Supplementary Heater: PSUP | 1.26 kW | 2.50 kW |
| | Annual energy consumption Qhe | 5153 kWh | 6928 kWh |

Warmer Climate

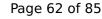
| EN 12102-1 | | | |
|---------------------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Sound power level outdoor | 65 dB(A) | 65 dB(A) | |

| EN 1482 | 25 | |
|---------|-----------------|--------------------|
| | Low temperature | Medium temperature |





| n _s | 256 % | 174 % |
|---|----------|----------|
| Prated | 11.11 kW | 12.51 kW |
| SCOP | 6.53 | 4.42 |
| Гbіv | 7 °C | 7 °C |
| ΓOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 11.11 kW | 12.08 kW |
| COP Tj = +2°C | 3.59 | 2.31 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |
| Pdh Tj = $+7^{\circ}$ C | 7.14 kW | 8.04 kW |
| $COP Tj = +7^{\circ}C$ | 5.87 | 3.86 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 3.56 kW | 3.75 kW |
| COP Tj = 12°C | 7.94 | 5.70 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 7.14 kW | 8.04 kW |
| COP Tj = Tbiv | 5.87 | 3.86 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 11.11 kW | 12.08 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.59 | 2.31 |
| dh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | | |
| VTOL | 65 °C | 65 °C |



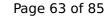


| Poff | 20 W | 20 W |
|--|-------------|-------------|
| РТО | 30 W | 30 W |
| PSB | 20 W | 20 W |
| PCK | o w | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.44 kW |
| Annual energy consumption Qhe | 2296 kWh | 3780 kWh |

Colder Climate

| EN 12102-1 | | | |
|---------------------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Sound power level outdoor | 65 dB(A) | 65 dB(A) | |

| EN 14825 | | |
|---------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 160 % | 118 % |
| Prated | 11.38 kW | 10.32 kW |
| SCOP | 4.08 | 3.02 |
| Tbiv | -15 °C | -15 °C |
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 7.05 kW | 6.63 kW |
| | | |





| j j | | in database on 10 mai 202 |
|---|-------------|---------------------------|
| COP Tj = -7°C | 3.48 | 2.63 |
| Cdh Tj = -7 °C | 0.90 | 0.90 |
| Pdh Tj = +2°C | 4.68 kW | 4.07 kW |
| COP Tj = +2°C | 4.96 | 3.60 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 3.14 kW | 2.78 kW |
| $COP Tj = +7^{\circ}C$ | 6.10 | 4.54 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 3.57 kW | 3.33 kW |
| COP Tj = 12°C | 7.87 | 6.25 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 9.28 kW | 8.42 kW |
| COP Tj = Tbiv | 2.59 | 1.84 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.01 kW | 4.20 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 1.98 | 1.13 |
| WTOL | 65 °C | 65 °C |
| Poff | 14 W | 14 W |
| РТО | 30 W | 30 W |
| PSB | 20 W | 20 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| | | |



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| Supplementary Heater: PSUP | 4.37 kW | 6.12 kW |
|-----------------------------------|----------|----------|
| Annual energy consumption Qhe | 6871 kWh | 8420 kWh |
| Pdh Tj = -15°C (if TOL<-20°C) | 9.28 | 8.42 |
| COP Tj = -15°C (if TOL $<$ -20°C) | 2.59 | 1.84 |
| Cdh Tj = -15 °C | 0.90 | 0.90 |

Model: Prima 3F 14GT

| Configure model | | |
|-------------------------------------|---------------------------------|--|
| Model name | Prima 3F 14GT | |
| Application | Heating (medium temp) | |
| Units | Outdoor | |
| Climate Zone | Colder Climate + Warmer Climate | |
| Reversibility | Yes | |
| Cooling mode application (optional) | n/a | |

| General Data | | |
|--------------|-------------|--|
| Power supply | 3x400V 50Hz | |

Heating

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

| EN 14511-2 | | | |
|-------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Heat output | 14.50 kW | 13.80 kW | |
| El input | 3.15 kW | 4.68 kW | |
| СОР | 4.60 | 2.95 | |

Average Climate



| EN 12102-1 | | | |
|---------------------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Sound power level outdoor | 65 dB(A) | 65 dB(A) | |

| EN 14825 | | | |
|----------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| η_{s} | 186 % | 136 % | |
| Prated | 13.73 kW | 12.08 kW | |
| SCOP | 4.72 | 3.47 | |
| Tbiv | -7 °C | -7 °C | |
| TOL | -10 °C | -10 °C | |
| Pdh Tj = -7°C | 12.14 kW | 10.69 kW | |
| COP Tj = -7°C | 2.79 | 2.01 | |
| Cdh Tj = -7 °C | 0.90 | 0.90 | |
| Pdh Tj = +2°C | 7.95 kW | 6.86 kW | |
| COP Tj = +2°C | 4.52 | 3.43 | |
| Cdh Tj = +2 °C | 0.90 | 0.90 | |
| Pdh Tj = +7°C | 5.20 kW | 4.64 kW | |
| COP Tj = +7°C | 6.68 | 4.66 | |
| Cdh Tj = +7 °C | 0.90 | 0.90 | |
| Pdh Tj = 12°C | 3.76 kW | 3.32 kW | |





| Cdh Tj = +12 °C 0.90 0.90 Pdh Tj = Tbiv 12.14 kW 10.69 kW COP Tj = Tbiv 2.79 2.01 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 11.48 kW 9.19 kW COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh 2.59 1.76 WTOL 65 °C 65 °C Poff 20 W 20 W PTO 30 W 30 W PSB 20 W 20 W PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 2.23 kW 2.91 kW | | | |
|--|---|-------------|-------------|
| Pdh Tj = Tbiv 12.14 kW 10.69 kW COP Tj = Tbiv 2.79 2.01 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | COP Tj = 12°C | 8.52 | 6.13 |
| COP Tj = Tbiv 2.79 2.01 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | Pdh Tj = Tbiv | 12.14 kW | 10.69 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | COP Tj = Tbiv | 2.79 | 2.01 |
| WTOL 65 °C 65 °C Poff 20 W 20 W PTO 30 W 30 W PSB 20 W 20 W PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 2.23 kW 2.91 kW | Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 11.48 kW | 9.19 kW |
| Poff 20 W 20 W PTO 30 W 30 W PSB 20 W 20 W PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 2.23 kW 2.91 kW | COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.59 | 1.76 |
| PTO 30 W 30 W PSB 20 W 20 W PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 2.23 kW 2.91 kW | WTOL | 65 °C | 65 °C |
| PSB 20 W 20 W PCK 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 2.23 kW 20 W | Poff | 20 W | 20 W |
| PCK 0 W 0 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 2.23 kW 2.91 kW | РТО | 30 W | 30 W |
| Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 2.23 kW 2.91 kW | PSB | 20 W | 20 W |
| Supplementary Heater: PSUP 2.23 kW 2.91 kW | PCK | o w | o w |
| | Supplementary Heater: Type of energy input | Electricity | Electricity |
| Annual energy consumption Qhe 6013 kWh 7203 kWh | Supplementary Heater: PSUP | 2.23 kW | 2.91 kW |
| | Annual energy consumption Qhe | 6013 kWh | 7203 kWh |

Warmer Climate

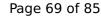
| EN 12102-1 | | | |
|---------------------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Sound power level outdoor | 65 dB(A) | 65 dB(A) | |

| EN 14825 | | |
|----------|-----------------|--------------------|
| | Low temperature | Medium temperature |





| This information was general | , | |
|---|----------|----------|
| η_{s} | 260 % | 176 % |
| Prated | 12.11 kW | 13.74 kW |
| SCOP | 6.63 | 4.48 |
| Tbiv | 7 °C | 7 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 12.04 kW | 13.05 kW |
| $COP Tj = +2^{\circ}C$ | 3.44 | 2.20 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |
| Pdh Tj = $+7^{\circ}$ C | 7.78 kW | 8.83 kW |
| $COPTj = +7^{\circ}C$ | 5.84 | 3.91 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 3.75 kW | 4.09 kW |
| COP Tj = 12°C | 8.25 | 5.90 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 7.78 kW | 8.83 kW |
| COP Tj = Tbiv | 5.84 | 3.91 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.04 kW | 13.05 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.44 | 2.20 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | | |
| WTOL | 65 °C | 65 °C |



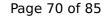


| Poff | 20 W | 20 W |
|--|-------------|-------------|
| PTO | 30 W | 30 W |
| PSB | 20 W | 20 W |
| PCK | o w | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.07 kW | 0.69 kW |
| Annual energy consumption Qhe | 2462 kWh | 4092 kWh |

Colder Climate

| EN 12102-1 | | | |
|---------------------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Sound power level outdoor | 65 dB(A) | 65 dB(A) | |

| Low temperature | Medium temperature |
|-----------------|---------------------------------------|
| 160 % | 119 % |
| 12.64 kW | 10.97 kW |
| 4.06 | 3.05 |
| -15 °C | -15 °C |
| -22 °C | -22 °C |
| 7.97 kW | 6.89 kW |
| | 160 % 12.64 kW 4.06 -15 °C -22 °C |





| This information was genera | iced by the in item in | iii database oii 10 i idi 202 |
|---|------------------------|-------------------------------|
| COP Tj = -7°C | 3.44 | 2.66 |
| Cdh Tj = -7 °C | 0.90 | 0.90 |
| Pdh Tj = +2°C | 5.05 kW | 4.32 kW |
| COP Tj = +2°C | 4.92 | 3.66 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 3.16 kW | 3.06 kW |
| $COP Tj = +7^{\circ}C$ | 6.11 | 4.72 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 3.58 kW | 3.33 kW |
| COP Tj = 12°C | 7.82 | 6.25 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 10.31 kW | 8.95 kW |
| COP Tj = Tbiv | 2.53 | 1.79 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.57 kW | 4.20 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 1.92 | 1.13 |
| WTOL | 65 °C | 65 °C |
| Poff | 20 W | 20 W |
| РТО | 30 W | 30 W |
| PSB | 20 W | 20 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| | | |



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| Supplementary Heater: PSUP | 5.07 kW | 6.77 kW |
|-----------------------------------|----------|----------|
| Annual energy consumption Qhe | 7667 kWh | 8867 kWh |
| Pdh Tj = -15°C (if TOL<-20°C) | 10.31 | 8.95 |
| COP Tj = -15°C (if TOL $<$ -20°C) | 2.53 | 1.79 |
| Cdh Tj = -15 °C | 0.90 | 0.90 |



Model: Prima 3F 16GT

| Configure model | | | |
|-------------------------------------|---------------------------------|--|--|
| Model name | Prima 3F 16GT | | |
| Application | Heating (medium temp) | | |
| Units | Outdoor | | |
| Climate Zone | Colder Climate + Warmer Climate | | |
| Reversibility | Yes | | |
| Cooling mode application (optional) | n/a | | |

| General Data | | |
|--------------|-------------|--|
| Power supply | 3x400V 50Hz | |

Heating

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

| EN 14511-2 | | | |
|-------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Heat output | 15.90 kW | 16.00 kW | |
| El input | 3.53 kW | 5.61 kW | |
| СОР | 4.50 | 2.85 | |

Average Climate



| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level outdoor | 68 dB(A) | 68 dB(A) |

| EN 14825 | | |
|------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 182 % | 133 % |
| Prated | 15.21 kW | 13.02 kW |
| SCOP | 4.62 | 3.41 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 13.45 kW | 11.52 kW |
| COP Tj = -7°C | 2.72 | 1.99 |
| Cdh Tj = -7 °C | 0.90 | 0.90 |
| Pdh Tj = +2°C | 8.57 kW | 7.18 kW |
| COP Tj = +2°C | 4.41 | 3.34 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 5.70 kW | 4.68 kW |
| $COP Tj = +7^{\circ}C$ | 6.56 | 4.61 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 3.78 kW | 3.32 kW |



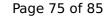


| COP Tj = 12°C | 8.51 | 6.07 |
|---|-------------|-------------|
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 13.45 kW | 11.52 kW |
| COP Tj = Tbiv | 2.72 | 1.99 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.52 kW | 10.33 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.48 | 1.80 |
| WTOL | 65 °C | 65 °C |
| Poff | 20 W | 20 W |
| РТО | 30 W | 30 W |
| PSB | 20 W | 20 W |
| PCK | o w | o w |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 2.68 kW | 2.67 kW |
| Annual energy consumption Qhe | 6805 kWh | 7896 kWh |

Warmer Climate

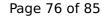
| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level outdoor | 68 dB(A) | 68 dB(A) |

| EN 1482 | 25 | |
|---------|-----------------|--------------------|
| | Low temperature | Medium temperature |





| n_s | 248 % | 176 % |
|---|----------|----------|
| Prated | 13.09 kW | 13.78 kW |
| SCOP | 6.33 | 4.47 |
| ГЬіν | 7 °C | 7 °C |
| ΓOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 13.09 kW | 13.38 kW |
| COP Tj = +2°C | 3.35 | 2.29 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |
| Pdh Tj = +7°C | 8.42 kW | 8.86 kW |
| COP Tj = +7°C | 5.36 | 3.84 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 3.88 kW | 4.06 kW |
| COP Tj = 12°C | 8.11 | 5.86 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 8.42 kW | 8.86 kW |
| COP Tj = Tbiv | 5.36 | 3.84 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 13.09 kW | 13.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.35 | 2.29 |
| dh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | | |
| VTOL | 65 °C | 65 °C |



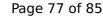


| Poff | 20 W | 20 W |
|--|-------------|-------------|
| РТО | 30 W | 30 W |
| PSB | 20 W | 20 W |
| PCK | o w | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.40 kW |
| Annual energy consumption Qhe | 2786 kWh | 4116 kWh |

Colder Climate

| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level outdoor | 68 dB(A) | 68 dB(A) |

| EN 14825 | | |
|---------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 158 % | 122 % |
| Prated | 13.76 kW | 11.79 kW |
| SCOP | 4.02 | 3.12 |
| Tbiv | -15 °C | -15 °C |
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 8.31 kW | 7.64 kW |
| | | |





| This information was genera | acca by the in Reimin | iii database on 10 mai 2022 |
|---|-----------------------|-----------------------------|
| COP Tj = -7°C | 3.37 | 2.65 |
| Cdh Tj = -7 °C | 0.90 | 0.90 |
| Pdh Tj = +2°C | 5.27 kW | 4.43 kW |
| COP Tj = +2°C | 4.86 | 3.79 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = $+7^{\circ}$ C | 3.62 kW | 2.98 kW |
| $COPTj = +7^{\circ}C$ | 6.49 | 4.81 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 3.35 kW | 3.43 kW |
| COP Tj = 12°C | 7.40 | 6.29 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 11.22 kW | 9.62 kW |
| COP Tj = Tbiv | 2.43 | 1.86 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 8.89 kW | 5.22 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 1.97 | 1.23 |
| WTOL | 65 °C | 65 °C |
| Poff | 20 W | 20 W |
| РТО | 30 W | 30 W |
| PSB | 20 W | 20 W |
| РСК | o w | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| | | |



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| Supplementary Heater: PSUP | 4.87 kW | 6.57 kW |
|-----------------------------------|----------|----------|
| Annual energy consumption Qhe | 8431 kWh | 9310 kWh |
| Pdh Tj = -15°C (if TOL<-20°C) | 11.22 | 9.62 |
| COP Tj = -15°C (if TOL $<$ -20°C) | 2.43 | 1.86 |
| Cdh Tj = -15 °C | 0.90 | 0.90 |



Model: Prima S 14GT

| Configure model | |
|-------------------------------------|---------------------------------|
| Model name | Prima S 14GT |
| Application | Heating (medium temp) |
| Units | Indoor + Outdoor |
| Climate Zone | Colder Climate + Warmer Climate |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |

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

Heating

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

| EN 14511-2 | | | | |
|------------------------------------|----------|----------|--|--|
| Low temperature Medium temperature | | | | |
| Heat output | 14.50 kW | 13.80 kW | | |
| El input | 3.09 kW | 4.60 kW | | |
| СОР | 4.70 | 3.00 | | |

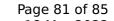
Average Climate





| EN 12102-1 | | | |
|---------------------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Sound power level indoor | 43 dB(A) | 43 dB(A) | |
| Sound power level outdoor | 65 dB(A) | 65 dB(A) | |

| EN 14825 | | |
|----------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 186 % | 136 % |
| Prated | 13.73 kW | 12.08 kW |
| SCOP | 4.72 | 3.47 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 12.14 kW | 10.69 kW |
| COP Tj = -7°C | 2.79 | 2.01 |
| Cdh Tj = -7 °C | 0.90 | 0.90 |
| Pdh Tj = +2°C | 7.95 kW | 6.86 kW |
| COP Tj = +2°C | 4.52 | 3.43 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 5.20 kW | 4.64 kW |
| COP Tj = +7°C | 6.68 | 4.66 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |

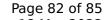




| This information was generated by the HP KEYMARK database on 18 Mar 202 | | |
|---|-------------|-------------|
| Pdh Tj = 12°C | 3.76 kW | 3.32 kW |
| COP Tj = 12°C | 8.52 | 6.13 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 12.14 kW | 10.69 kW |
| COP Tj = Tbiv | 2.79 | 2.01 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 11.48 kW | 9.19 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.59 | 1.76 |
| WTOL | 65 °C | 65 °C |
| Poff | 14 W | 14 W |
| РТО | 24 W | 24 W |
| PSB | 14 W | 14 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 2.23 kW | 2.91 kW |
| Annual energy consumption Qhe | 6012 kWh | 7202 kWh |

Warmer Climate

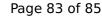
| EN 12102-1 | | | |
|---------------------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Sound power level indoor | 43 dB(A) | 43 dB(A) | |
| Sound power level outdoor | 65 dB(A) | 65 dB(A) | |





EN 14825

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_{s} | 260 % | 177 % |
| Prated | 12.11 kW | 13.74 kW |
| SCOP | 6.63 | 4.49 |
| Tbiv | 7 °C | 7 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 12.04 kW | 13.05 kW |
| COP Tj = +2°C | 3.44 | 2.20 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 7.78 kW | 8.83 kW |
| $COPTj = +7^{\circ}C$ | 5.84 | 3.91 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 3.75 kW | 4.09 kW |
| COP Tj = 12°C | 8.25 | 5.90 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 7.78 kW | 8.83 kW |
| COP Tj = Tbiv | 5.84 | 3.91 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.04 kW | 13.05 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.44 | 2.20 |
| WTOL | 65 °C | 65 °C |



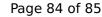


| Poff | 14 W | 14 W |
|--|-------------|-------------|
| РТО | 24 W | 24 W |
| PSB | 14 W | 14 W |
| PCK | o w | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.07 kW | 0.69 kW |
| Annual energy consumption Qhe | 2457 kWh | 4088 kWh |

Colder Climate

| EN 12102-1 | | | |
|------------------------------------|----------|----------|--|
| Low temperature Medium temperature | | | |
| Sound power level indoor | 43 dB(A) | 43 dB(A) | |
| Sound power level outdoor | 65 dB(A) | 65 dB(A) | |

| EN 14825 | | |
|-----------------|-------------------------------|--|
| Low temperature | Medium temperature | |
| 160 % | 119 % | |
| 12.64 kW | 10.97 kW | |
| 4.07 | 3.05 | |
| -15 °C | -15 °C | |
| -22 °C | -22 °C | |
| | 160 % 12.64 kW 4.07 -15 °C | |





| This information was genera | | iii database on 10 mai 202 |
|---|----------|----------------------------|
| Pdh Tj = -7°C | 7.97 kW | 6.89 kW |
| COP Tj = -7°C | 3.44 | 2.66 |
| Cdh Tj = -7 °C | 0.90 | 0.90 |
| Pdh Tj = +2°C | 5.05 kW | 4.32 kW |
| COP Tj = +2°C | 4.92 | 3.66 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = $+7$ °C | 3.16 kW | 3.06 kW |
| $COP Tj = +7^{\circ}C$ | 6.11 | 4.72 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 3.58 kW | 3.33 kW |
| COP Tj = 12°C | 7.82 | 6.25 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 10.31 kW | 8.95 kW |
| COP Tj = Tbiv | 2.53 | 1.79 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.57 kW | 4.20 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 1.92 | 1.13 |
| WTOL | 65 °C | 65 °C |
| Poff | 14 W | 14 W |
| РТО | 24 W | 24 W |
| PSB | 14 W | 14 W |
| РСК | 0 W | o w |
| | | |



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| Supplementary Heater: Type of energy input | Electricity | Electricity |
|--|-------------|-------------|
| Supplementary Heater: PSUP | 5.07 kW | 6.77 kW |
| Annual energy consumption Qhe | 7667 kWh | 8866 kWh |
| Pdh Tj = -15°C (if TOL<-20°C) | 10.31 | 8.95 |
| COP Tj = -15°C (if TOL $<$ -20°C) | 2.53 | 1.79 |
| Cdh Tj = -15 °C | 0.90 | 0.90 |