

This information was generated by the HP KEYMARK database on 18 Mar 2022

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| | | | |
|---------------------|---------------------------------------|----------|-------------|
| Summary of | Grant Aeron3 HPID17R32 | Reg. No. | 041-K005-04 |
| Certificate Holder | | | |
| Name | Grant Engineering (Ireland) ULC | | |
| Address | Barrack St | Zip | R42 D788 |
| City | Ballinree, Birr | Country | Ireland |
| Certification Body | BRE Global Limited | | |
| Subtype title | Grant Aeron3 HPID17R32 | | |
| Heat Pump Type | Outdoor Air/Water | | |
| Refrigerant | R32 | | |
| Mass of Refrigerant | 2.8 kg | | |
| Certification Date | 01.03.2022 | | |
| Testing basis | Heat Pump Keymark Scheme Rules Rev 09 | | |

Model: HPID17R32

| Configure model | |
|-------------------------------------|--------------------------|
| Model name | HPID17R32 |
| Application | Heating + DHW + low temp |
| Units | Outdoor |
| Climate Zone | n/a |
| Reversibility | No |
| 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 | 18 kW | 15.3 kW |
| El input | 3.77 kW | 4.86 kW |
| COP | 4.79 | 3.15 |

Average Climate

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EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 61.6 dB(A) | 61.6 dB(A) |

EN 14825

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 181 % | 142 % |
| Prated | 12.80 kW | 12.20 kW |
| SCOP | 4.61 | 3.64 |
| Tbiv | -9 °C | -8 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 12.00 kW | 12.80 kW |
| COP Tj = -7°C | 3.06 | 2.34 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 7.70 kW | 7.43 kW |
| COP Tj = +2°C | 4.61 | 3.61 |
| Cdh Tj = +2 °C | 0.990 | 0.990 |
| Pdh Tj = +7°C | 9.20 kW | 9.11 kW |
| COP Tj = +7°C | 6.75 | 5.21 |
| Cdh Tj = +7 °C | 0.990 | 0.990 |
| Pdh Tj = 12°C | 6.20 kW | 6.10 kW |

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| | | |
|---|-------------|-------------|
| COP Tj = 12°C | 9.64 | 8.12 |
| Cdh Tj = +12 °C | 0.990 | 0.990 |
| Pdh Tj = Tbiv | 11.64 kW | 10.76 kW |
| COP Tj = Tbiv | 3.08 | 2.12 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 11.40 kW | 9.57 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.24 | 2.15 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 0.990 |
| WTOL | 60 °C | 60 °C |
| Poff | 100 W | 100 W |
| PTO | 40 W | 40 W |
| PSB | 100 W | 100 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.40 kW | 2.63 kW |
| Annual energy consumption Qhe | 5731 kWh | 6931 kWh |

Domestic Hot Water (DHW)

Average Climate

| EN 16147 | |
|---------------------------------|-------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 99 % |
| COP | 2.4 |
| Heating up time | 00:49 h:min |
| Standby power input | 27.5 W |
| Reference hot water temperature | 49.42 °C |
| Mixed water at 40°C | 279.21 l |