This information was generated by the HP KEYMARK database on 22 Jun 2022

Login

Summary of	Grant Aerona3 HPID6R32	Reg. No.	041-K005-01
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 Aerona3 HPID6R32		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass of Refrigerant	0.8 kg		
Certification Date	01.03.2022		
Testing basis	Heat Pump Keymark Scheme Rules Rev 09		

Model: HPID6R32

Configure model	
Model name	HPID6R32
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 14511-2		
	Low temperature	**Medium temperature**
Heat output	6.92 kW	6.24 kW
El input	1.41 kW	2.05 kW
COP	4.91	3.04

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 outdoor	65.2 dB(A)	65.2 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	185 %	132 %
Prated	4.50 kW	4.50 kW
SCOP	4.70	3.38
Tbiv	-9 °C	-9 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.68 kW	5.03 kW
COP Tj = -7°C	3.13	2.11
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	3.24 kW	3.21 kW
COP Tj = +2°C	6.02	4.03
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	2.10 kW	2.20 kW
COP Tj = +7°C	7.40	5.10
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	2.00 kW	1.78 kW

COP Tj = 12°C	9.20	6.15
Cdh Tj = +12 °C	0.990	0.990
Pdh Tj = Tbiv	4.50 kW	4.49 kW
COP Tj = Tbiv	3.02	1.99
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.87 kW	3.51 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.67	1.85
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	0.63 kW	0.99 kW
Annual energy consumption Qhe	1979 kWh	2754 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147

Declared load profile	L
Efficiency ηDHW	114 %
COP	2.75
Heating up time	1:47 h:min
Standby power input	26.3 W
Reference hot water temperature	49.0 °C
Mixed water at 40°C	278 l