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Login

Summary of	Grant Aerona3 HPID10R32	Reg. No.	041-K005-02
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 HPID10R32		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass of Refrigerant	1.55 kg		
Certification Date	01.03.2022		
Testing basis	Heat Pump Keymark Scheme Rules Rev 09		



Model: HPID10R32

Configure model		
Model name	HPID10R32	
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	11.1 kW	10.5 kW
El input	2.1 kW	3.358 kW
СОР	5.28	3.12

Average Climate

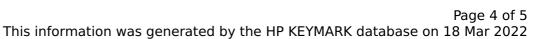


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EN 12102-1		
	Low temperature	Medium temperature
Sound power level outdoor	64.1 dB(A)	64.1 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	207 %	138 %
Prated	9.20 kW	8.70 kW
SCOP	5.24	3.53
Tbiv	-8 °C	-8 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.03 kW	8.16 kW
COP Tj = -7°C	3.30	2.29
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	5.29 kW	5.07 kW
COP Tj = +2°C	5.96	3.53
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	3.40 kW	3.40 kW
COP Tj = +7°C	7.80	5.41
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	3.70 kW	3.95 kW

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COP Tj = 12°C	9.20	8.45
Cdh Tj = +12 °C	0.990	0.990
Pdh Tj = Tbiv	8.49 kW	8.03 kW
COP Tj = Tbiv	3.11	2.14
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.90 kW	5.77 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.74	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
РТО	40 W	40 W
PSB	100 W	100 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	3.30 kW	2.93 kW
Annual energy consumption Qhe	3628 kWh	5085 kWh

Domestic Hot Water (DHW)

Average Climate





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EN 16147		
Declared load profile	L	
Efficiency ηDHW	100 %	
СОР	2.40	
Heating up time	1:26 h:min	
Standby power input	31.3 W	
Reference hot water temperature	51.6 °C	
Mixed water at 40°C	305 I	