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Login

Summary of	Grant Aerona3 HPID13R32	Reg. No.	041-K005-03	
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 HPID13R32			
Heat Pump Type	Outdoor Air/Water			
Refrigerant	R32			
Mass of Refrigerant	2.2 kg			
Certification Date	01.03.2022			
Testing basis	Heat Pump Keymark Scheme Rules Rev 09			



Model: HPID13R32

Configure model		
Model name	HPID13R32	
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	13.6 kW	11.4 kW
El input	2.59 kW	3.53 kW
СОР	5.25	3.23

Average Climate

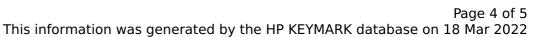


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EN 12102-1		
	Low temperature	Medium temperature
Sound power level outdoor	60.8 dB(A)	60.8 dB(A)

	EN 14825	
	Low temperature	Medium temperature
η_{s}	215 %	160 %
Prated	10.00 kW	10.00 kW
SCOP	5.46	4.08
Tbiv	-8 °C	-8 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.60 kW	9.68 kW
COP Tj = -7°C	3.03	2.16
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	6.09 kW	6.05 kW
COP Tj = +2°C	6.20	3.92
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	4.30 kW	4.14 kW
$COP Tj = +7^{\circ}C$	8.50	8.62
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	4.10 kW	4.11 kW

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COP Tj = 12°C	10.30	8.62
Cdh Tj = +12 °C	0.990	0.990
Pdh Tj = Tbiv	9.14 kW	8.91 kW
COP Tj = Tbiv	3.02	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.69 kW	7.36 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.98	2.04
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	2.31 kW	2.64 kW
Annual energy consumption Qhe	3787 kWh	5066 kWh

Domestic Hot Water (DHW)

Average Climate





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EN 16147		
Declared load profile	L	
Efficiency ηDHW	113 %	
СОР	2.74	
Heating up time	01:03 h:min	
Standby power input	26.3 W	
Reference hot water temperature	49.99 °C	
Mixed water at 40°C	287 I	