

$$\operatorname{\textit{Page}}\ 1$$ of 5 This information was generated by the HP KEYMARK database on 23 Jun 2022

<u>Login</u>

Summary of	Grant Aerona3 HPID13R32	Reg. No.	041-K005-03	
Certificate Holder		'	<u> </u>	
Name	Grant Engineering (Ireland) ULC	Grant Engineering (Ireland) ULC		
Address	Barrack St	Zip	R42 D788	
City	Ballinree, Birr	Country	Ireland	
Certification Body	BRE Global Limited	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 14511-2			
	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	

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

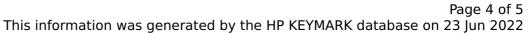


 $$\operatorname{\textit{Page}}\ 3$$ of 5 This information was generated by the HP KEYMARK database on 23 Jun 2022

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

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com





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





 $$\operatorname{\textit{Page}}\xspace\:5\:\:\text{of}\:5\:$ This information was generated by the HP KEYMARK database on 23 Jun 2022

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	