

Page 1 of 8

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

	^		ı	n	
_	U	u	ш	ш	

Summary of	WPE-I 33 H 400 Premium	Reg. No.	011-1W0332
Certificate Holder			
Name	STIEBEL ELTRON GmbH & Co KG		
Address	Dr. Stiebel Straße 33	Zip	37603
City	Holzminden	Country	Germany
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH		
Subtype title	WPE-I 33 H 400 Premium		
Heat Pump Type	Brine/Water		
Refrigerant	R410A		
Mass of Refrigerant	3.9 kg		
Certification Date	05.10.2020		
Testing basis	HP KEYMARK certification scheme rules V7		

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

Model: WPE-I 33H 400 Premium

Configure model			
Model name	WPE-I 33H 400 Premium		
Application	Heating (medium temp)		
Units	Indoor		
Climate Zone	Colder Climate + Warmer Climate		
Reversibility	Yes		
Cooling mode application (optional)	n/a		

General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2				
Low temperature Medium temperature				
Heat output	20.18 kW	18.93 kW		
El input	4.26 kW	6.42 kW		
СОР	4.73	2.95		

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	failed
Starting and operating test	passed

Average Climate

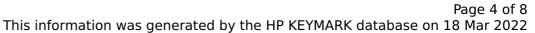


This information was generated by the HP KEYMARK database on 18 Mar 2022

EN 12102-1				
	Low temperature	Medium temperature		
Sound power level indoor	47 dB(A)	47 dB(A)		

EN 14825			
	Low temperature	Medium temperature	
η_{s}	214 %	159 %	
Prated	33.28 kW	31.13 kW	
SCOP	5.55	4.18	
Tbiv	-10 °C	-10 °C	
TOL	-10 °C	-10 °C	
Pdh Tj = -7°C	29.44 kW	27.54 kW	
COP Tj = -7°C	4.63	3.14	
Cdh Tj = -7 °C	0.90	0.90	
Pdh Tj = +2°C	17.92 kW	16.76 kW	
COP Tj = +2°C	5.57	4.21	
Cdh Tj = +2 °C	0.90	0.90	
Pdh Tj = +7°C	11.52 kW	10.78 kW	
$COP Tj = +7^{\circ}C$	6.11	4.83	
Cdh Tj = +7 °C	0.90	0.90	
Pdh Tj = 12°C	12.52 kW	12.16 kW	

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

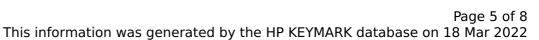




	,	
COP Tj = 12°C	6.05	5.00
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	33.28 kW	31.13 kW
COP Tj = Tbiv	4.26	2.86
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	33.28 kW	31.13 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.26	2.86
WTOL	65 °C	65 °C
Poff	12 W	12 W
РТО	12 W	12 W
PSB	12 W	12 W
PCK	o w	o w
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	12358 kWh	15305 kWh

Warmer Climate

erature Medium temperature
160 %
31.13 kW
4.19





This information was generated by the HP KEYMARK database on 18 Mar 202				
Tbiv	2 °C	2 °C		
TOL	2 °C	2 °C		
Pdh Tj = +2°C	33.28 kW	31.13 kW		
$COPTj = +2^{\circ}C$	4.26	2.86		
Cdh Tj = +2 °C	0.90	0.90		
Pdh Tj = $+7^{\circ}$ C	21.39 kW	20.01 kW		
COP Tj = +7°C	5.30	3.78		
Cdh Tj = +7 °C	0.90	0.90		
Pdh Tj = 12°C	12.51 kW	12.08 kW		
COP Tj = 12°C	6.06	4.85		
Cdh Tj = +12 °C	0.90	0.90		
Pdh Tj = Tbiv	33.28 kW	31.13 kW		
COP Tj = Tbiv	4.26	2.86		
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	33.28 kW	31.13 kW		
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.26	2.86		
WTOL	65 °C	65 °C		
Poff	12 W	12 W		
РТО	12 W	12 W		
PSB	12 W	12 W		
PCK	0 W	0 W		
Supplementary Heater: Type of energy input	n/a	n/a		





Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	7963 kWh	9906 kWh

EN 12102-1				
	Low temperature	Medium temperature		
Sound power level indoor	47 dB(A)	47 dB(A)		

Colder Climate

EN 14825			
	Low temperature	Medium temperature	
η_{s}	221 %	165 %	
Prated	33.28 kW	31.13 kW	
SCOP	5.72	4.33	
Tbiv	-22 °C	-22 °C	
TOL	-22 °C	-22 °C	
Pdh Tj = -7°C	20.14 kW	18.84 kW	
COP Tj = -7°C	5.49	3.99	
Cdh Tj = -7 °C	0.90	0.90	
Pdh Tj = +2°C	12.26 kW	11.47 kW	
COP Tj = +2°C	6.11	4.73	
Cdh Tj = +2 °C	0.90	0.90	
	<u> </u>		

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





This information was generated by the HP KEYMARK database on 18 Mar 2022				
Pdh Tj = +7°C	12.53 kW	12.14 kW		
$COP Tj = +7^{\circ}C$	6.10	4.98		
Cdh Tj = +7 °C	0.90	0.90		
Pdh Tj = 12°C	12.49 kW	12.22 kW		
COP Tj = 12°C	5.91	5.12		
Cdh Tj = +12 °C	0.90	0.90		
Pdh Tj = Tbiv	33.28 kW	31.13 kW		
COP Tj = Tbiv	4.26	2.86		
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	33.28 kW	31.13 kW		
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.26	2.86		
WTOL	65 °C	65 °C		
Poff	12 W	12 W		
РТО	12 W	12 W		
PSB	12 W	12 W		
PCK	o w	0 W		
Supplementary Heater: Type of energy input	n/a	n/a		
Supplementary Heater: PSUP	0.00 kW	0.00 kW		
Annual energy consumption Qhe	14325 kWh	17698 kWh		
Pdh Tj = -15°C (if TOL<-20°C)	33.28	31.13		
COP Tj = -15°C (if TOL<-20°C)	4.26	2.86		
Cdh Tj = -15 °C	0.90	0.90		





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

EN 12102-1				
	Low temperature	Medium temperature		
Sound power level indoor	47 dB(A)	47 dB(A)		