

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

[Login](#)

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		

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
COP	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°C	6.11	4.83
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	12.52 kW	12.16 kW

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

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
PTO	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	12358 kWh	15305 kWh

Warmer Climate

EN 14825		
	Low temperature	Medium temperature
η_s	214 %	160 %
Prated	33.28 kW	31.13 kW
SCOP	5.54	4.19

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

Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	33.28 kW	31.13 kW
COP Tj = +2°C	4.26	2.86
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°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
PTO	12 W	12 W
PSB	12 W	12 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a

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

Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Q _{he}	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
T _{biv}	-22 °C	-22 °C
TOL	-22 °C	-22 °C
P _{dh} T _j = -7°C	20.14 kW	18.84 kW
COP T _j = -7°C	5.49	3.99
C _{dh} T _j = -7 °C	0.90	0.90
P _{dh} T _j = +2°C	12.26 kW	11.47 kW
COP T _j = +2°C	6.11	4.73
C _{dh} T _j = +2 °C	0.90	0.90

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°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
PTO	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	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

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