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Summary of	WPE-I 04/06/08 H(K)(W) 230 (GB) Premium	Reg. No.	011-1W0394
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 04/06/08 H(K)(W) 230 (GB) Premium		
Heat Pump Type	Brine/Water		
Refrigerant	R454C		
Mass of Refrigerant	2.2 kg		
Certification Date	08.09.2020		

Model: WPE-I 04 H(K)(W) 230 Premium

Configure model	
Model name	WPE-I 04 H(K)(W) 230 Premium
Application	Heating (medium temp)
Units	Indoor
Climate Zone	Colder Climate + Warmer Climate
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	1.96 kW	1.26 kW
El input	0.43 kW	0.47 kW
COP	4.60	2.73

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

Warmer Climate

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EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	38 dB(A)	38 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	187 %	147 %
Prated	4.23 kW	3.76 kW
SCOP	4.87	3.87
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.23 kW	3.76 kW
COP Tj = +2°C	4.86	3.43
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	2.71 kW	2.41 kW
COP Tj = +7°C	5.24	3.95
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	1.20 kW	1.08 kW
COP Tj = 12°C	5.31	4.39
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	4.23 kW	3.76 kW

This information was generated by the HP KEYMARK database on 23 Jun 2022

COP $T_j = T_{biv}$	4.86	3.43
$P_{dh} T_j = TOL$ or $P_{dh} T_j = T_{designh}$ if $TOL < T_{designh}$	4.23 kW	3.76 kW
COP $T_j = TOL$ or COP $T_j = T_{designh}$ if $TOL < T_{designh}$	4.86	3.43
WTOL	75 °C	75 °C
P _{off}	16 W	16 W
PTO	16 W	16 W
PSB	16 W	16 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Q _{he}	1159 kWh	1300 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	38 dB(A)	38 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	201 %	157 %
Prated	4.23 kW	3.76 kW

This information was generated by the HP KEYMARK database on 23 Jun 2022

SCOP	5.21	4.12
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	2.55 kW	2.27 kW
COP Tj = -7°C	5.37	4.10
Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = +2°C	1.55 kW	1.38 kW
COP Tj = +2°C	5.45	4.37
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	1.13 kW	1.09 kW
COP Tj = +7°C	5.31	4.51
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	1.12 kW	1.09 kW
COP Tj = 12°C	5.21	4.52
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	4.23 kW	3.76 kW
COP Tj = Tbiv	4.86	3.43
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.23 kW	3.76 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.86	3.43
WTOL	75 °C	75 °C
Poff	16 W	16 W

This information was generated by the HP KEYMARK database on 23 Jun 2022

PTO	16 W	16 W
PSB	16 W	16 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Q _{he}	2000 kWh	2252 kWh

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	38 dB(A)	38 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	195 %	153 %
Prated	4.23 kW	3.76 kW
SCOP	5.07	4.02
T _{biv}	-10 °C	-10 °C
TOL	-10 °C	-10 °C
P _{dh} T _j = -7°C	3.73 kW	3.32 kW
COP T _j = -7°C	5.01	3.58

This information was generated by the HP KEYMARK database on 23 Jun 2022

Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = +2°C	2.26 kW	2.02 kW
COP Tj = +2°C	5.38	4.22
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	1.45 kW	1.30 kW
COP Tj = +7°C	5.34	4.47
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	1.13 kW	1.08 kW
COP Tj = 12°C	5.32	4.49
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	4.23 kW	3.76 kW
COP Tj = Tbiv	4.86	3.43
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.23 kW	3.76 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.86	3.43
WTOL	75 °C	75 °C
Poff	16 W	16 W
PTO	16 W	16 W
PSB	16 W	16 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW

This information was generated by the HP KEYMARK database on 23 Jun 2022

Annual energy consumption Q _{he}	1723 kWh	1934 kWh
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Model: WPE-I 04 H(W) 230 GB Premium

Configure model	
Model name	WPE-I 04 H(W) 230 GB Premium
Application	Heating (medium temp)
Units	Indoor
Climate Zone	Colder Climate + Warmer Climate
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	n/a

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	1.96 kW	1.26 kW
El input	0.43 kW	0.47 kW
COP	4.60	2.73

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

Warmer Climate

This information was generated by the HP KEYMARK database on 23 Jun 2022

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	38 dB(A)	38 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	187 %	147 %
Prated	4.23 kW	3.76 kW
SCOP	4.87	3.87
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.23 kW	3.76 kW
COP Tj = +2°C	4.86	3.43
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	2.71 kW	2.41 kW
COP Tj = +7°C	5.24	3.95
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	1.20 kW	1.08 kW
COP Tj = 12°C	5.31	4.39
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	4.23 kW	3.76 kW

This information was generated by the HP KEYMARK database on 23 Jun 2022

COP $T_j = T_{biv}$	4.86	3.43
$P_{dh} T_j = TOL$ or $P_{dh} T_j = T_{designh}$ if $TOL < T_{designh}$	4.23 kW	3.76 kW
COP $T_j = TOL$ or COP $T_j = T_{designh}$ if $TOL < T_{designh}$	4.86	3.43
WTOL	75 °C	75 °C
P _{off}	16 W	16 W
PTO	16 W	16 W
PSB	16 W	16 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Q _{he}	1159 kWh	1300 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	38 dB(A)	38 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	201 %	157 %
Prated	4.23 kW	3.76 kW

This information was generated by the HP KEYMARK database on 23 Jun 2022

SCOP	5.21	4.12
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	2.55 kW	2.27 kW
COP Tj = -7°C	5.37	4.10
Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = +2°C	1.55 kW	1.38 kW
COP Tj = +2°C	5.45	4.37
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	1.13 kW	1.09 kW
COP Tj = +7°C	5.31	4.51
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	1.12 kW	1.09 kW
COP Tj = 12°C	5.21	4.52
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	4.23 kW	3.76 kW
COP Tj = Tbiv	4.86	3.43
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.23 kW	3.76 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.86	3.43
WTOL	75 °C	75 °C
Poff	16 W	16 W

This information was generated by the HP KEYMARK database on 23 Jun 2022

PTO	16 W	16 W
PSB	16 W	16 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Q _{he}	2000 kWh	2252 kWh

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	38 dB(A)	38 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	195 %	153 %
Prated	4.23 kW	3.76 kW
SCOP	5.07	4.02
T _{biv}	-10 °C	-10 °C
TOL	-10 °C	-10 °C
P _{dh} T _j = -7°C	3.73 kW	3.32 kW
COP T _j = -7°C	5.01	3.58

This information was generated by the HP KEYMARK database on 23 Jun 2022

Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = +2°C	2.26 kW	2.02 kW
COP Tj = +2°C	5.38	4.22
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	1.45 kW	1.30 kW
COP Tj = +7°C	5.34	4.47
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	1.13 kW	1.08 kW
COP Tj = 12°C	5.32	4.49
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	4.23 kW	3.76 kW
COP Tj = Tbiv	4.86	3.43
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.23 kW	3.76 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.86	3.43
WTOL	75 °C	75 °C
Poff	16 W	16 W
PTO	16 W	16 W
PSB	16 W	16 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW

This information was generated by the HP KEYMARK database on 23 Jun 2022

Annual energy consumption Q _{he}	1723 kWh	1934 kWh
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Model: WPE-I 06 H(W) 230 GB Premium

Configure model	
Model name	WPE-I 06 H(W) 230 GB Premium
Application	Heating (medium temp)
Units	Indoor
Climate Zone	Colder Climate + Warmer Climate
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	n/a

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	2.37 kW	2.01 kW
El input	0.52 kW	0.69 kW
COP	4.60	2.91

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

Warmer Climate

This information was generated by the HP KEYMARK database on 23 Jun 2022

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	198 %	158 %
Prated	6.70 kW	6.05 kW
SCOP	5.14	4.14
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	6.70 kW	6.05 kW
COP Tj = +2°C	4.52	3.34
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	4.29 kW	3.88 kW
COP Tj = +7°C	5.19	3.97
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	1.90 kW	1.72 kW
COP Tj = 12°C	5.71	4.81
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	6.70 kW	6.05 kW

This information was generated by the HP KEYMARK database on 23 Jun 2022

COP $T_j = T_{biv}$	4.52	3.34
$P_{dh} T_j = TOL$ or $P_{dh} T_j = T_{designh}$ if $TOL < T_{designh}$	6.70 kW	6.05 kW
COP $T_j = TOL$ or COP $T_j = T_{designh}$ if $TOL < T_{designh}$	4.52	3.34
WTOL	75 °C	75 °C
Poff	16 W	16 W
PTO	16 W	16 W
PSB	16 W	16 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Q_{he}	1741 kWh	1954 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	207 %	166 %
Prated	6.70 kW	6.05 kW

This information was generated by the HP KEYMARK database on 23 Jun 2022

SCOP	5.38	4.34
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	4.04 kW	3.65 kW
COP Tj = -7°C	5.36	4.15
Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = +2°C	2.45 kW	2.22 kW
COP Tj = +2°C	5.64	4.68
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	1.57 kW	1.42 kW
COP Tj = +7°C	5.76	4.80
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	1.13 kW	1.10 kW
COP Tj = 12°C	5.32	4.73
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	6.70 kW	6.05 kW
COP Tj = Tbiv	4.52	3.34
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.70 kW	6.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.52	3.34
WTOL	75 °C	75 °C
Poff	16 W	16 W

This information was generated by the HP KEYMARK database on 23 Jun 2022

PTO	16 W	16 W
PSB	16 W	16 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Q _{he}	3069 kWh	3439 kWh

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	200 %	160 %
Prated	6.70 kW	6.05 kW
SCOP	5.20	4.18
T _{biv}	-10 °C	-10 °C
TOL	-10 °C	-10 °C
P _{dh} T _j = -7°C	5.91 kW	5.34 kW
COP T _j = -7°C	4.71	3.55

This information was generated by the HP KEYMARK database on 23 Jun 2022

Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = +2°C	3.59 kW	3.25 kW
COP Tj = +2°C	5.39	4.27
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	2.30 kW	2.09 kW
COP Tj = +7°C	5.60	4.76
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	1.14 kW	1.08 kW
COP Tj = 12°C	5.47	4.61
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	6.70 kW	6.05 kW
COP Tj = Tbiv	4.52	3.34
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.70 kW	6.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.52	3.34
WTOL	75 °C	75 °C
Poff	16 W	16 W
PTO	16 W	16 W
PSB	16 W	16 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW

This information was generated by the HP KEYMARK database on 23 Jun 2022

Annual energy consumption Q _{he}	2662 kWh	2988 kWh
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Model: WPE-I 08 H(W) 230 GB Premium

Configure model	
Model name	WPE-I 08 H(W) 230 GB Premium
Application	Heating (medium temp)
Units	Indoor
Climate Zone	Colder Climate + Warmer Climate
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	n/a

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	2.78 kW	2.42 kW
El input	0.60 kW	0.79 kW
COP	4.67	3.07

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

Warmer Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	197 %	157 %
Prated	7.66 kW	6.93 kW
SCOP	5.13	4.13
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	7.66 kW	6.93 kW
COP Tj = +2°C	4.29	3.22
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	4.91 kW	4.45 kW
COP Tj = +7°C	5.09	3.88
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	2.17 kW	1.97 kW
COP Tj = 12°C	5.75	4.85
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	7.66 kW	6.93 kW

This information was generated by the HP KEYMARK database on 23 Jun 2022

COP $T_j = T_{biv}$	4.29	3.22
$P_{dh} T_j = TOL$ or $P_{dh} T_j = T_{designh}$ if $TOL < T_{designh}$	7.66 kW	6.93 kW
COP $T_j = TOL$ or COP $T_j = T_{designh}$ if $TOL < T_{designh}$	4.29	3.22
WTOL	75 °C	75 °C
Poff	16 W	16 W
PTO	16 W	16 W
PSB	16 W	16 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Q_{he}	1997 kWh	2243 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	204 %	163 %
Prated	7.66 kW	6.93 kW

This information was generated by the HP KEYMARK database on 23 Jun 2022

SCOP	5.29	4.29
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	4.62 kW	4.18 kW
COP Tj = -7°C	5.17	4.07
Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = +2°C	2.81 kW	2.54 kW
COP Tj = +2°C	5.60	4.60
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	1.80 kW	1.63 kW
COP Tj = +7°C	5.76	4.90
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	1.13 kW	1.09 kW
COP Tj = 12°C	5.34	4.75
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	7.66 kW	6.93 kW
COP Tj = Tbiv	4.29	3.22
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.66 kW	6.93 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.29	3.22
WTOL	75 °C	75 °C
Poff	16 W	16 W

This information was generated by the HP KEYMARK database on 23 Jun 2022

PTO	16 W	16 W
PSB	16 W	16 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Q _{he}	3570 kWh	3985 kWh

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	197 %	158 %
Prated	7.66 kW	6.93 kW
SCOP	5.12	4.14
T _{biv}	-10 °C	-10 °C
TOL	-10 °C	-10 °C
P _{dh} T _j = -7°C	6.76 kW	6.12 kW
COP T _j = -7°C	4.53	3.44

This information was generated by the HP KEYMARK database on 23 Jun 2022

Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = +2°C	4.11 kW	3.72 kW
COP Tj = +2°C	5.25	4.21
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	2.64 kW	2.39 kW
COP Tj = +7°C	5.59	4.69
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	1.16 kW	1.08 kW
COP Tj = 12°C	5.52	4.61
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	7.66 kW	6.93 kW
COP Tj = Tbiv	4.29	3.22
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.66 kW	6.93 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.29	3.22
WTOL	75 °C	75 °C
Poff	16 W	16 W
PTO	16 W	16 W
PSB	16 W	16 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW

This information was generated by the HP KEYMARK database on 23 Jun 2022

Annual energy consumption Q_{he}	3094 kWh	3461 kWh
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Model: WPE-I 06 H(K)(W) 230 Premium

Configure model	
Model name	WPE-I 06 H(K)(W) 230 Premium
Application	Heating (medium temp)
Units	Indoor
Climate Zone	Colder Climate + Warmer Climate
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	n/a

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	2.37 kW	2.01 kW
El input	0.52 kW	0.69 kW
COP	4.60	2.91

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

Warmer Climate

This information was generated by the HP KEYMARK database on 23 Jun 2022

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	198 %	158 %
Prated	6.70 kW	6.05 kW
SCOP	5.14	4.14
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	6.70 kW	6.05 kW
COP Tj = +2°C	4.52	3.34
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	4.29 kW	3.88 kW
COP Tj = +7°C	5.19	3.97
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	1.90 kW	1.72 kW
COP Tj = 12°C	5.71	4.81
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	6.70 kW	6.05 kW

This information was generated by the HP KEYMARK database on 23 Jun 2022

COP $T_j = T_{biv}$	4.52	3.34
$P_{dh} T_j = TOL$ or $P_{dh} T_j = T_{designh}$ if $TOL < T_{designh}$	6.70 kW	6.05 kW
COP $T_j = TOL$ or COP $T_j = T_{designh}$ if $TOL < T_{designh}$	4.52	3.34
WTOL	75 °C	75 °C
Poff	16 W	16 W
PTO	16 W	16 W
PSB	16 W	16 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Q_{he}	1741 kWh	1954 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	207 %	166 %
Prated	6.70 kW	6.05 kW

This information was generated by the HP KEYMARK database on 23 Jun 2022

SCOP	5.38	4.34
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	4.04 kW	3.65 kW
COP Tj = -7°C	5.36	4.15
Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = +2°C	2.45 kW	2.22 kW
COP Tj = +2°C	5.64	4.68
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	1.57 kW	1.42 kW
COP Tj = +7°C	5.76	4.80
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	1.13 kW	1.10 kW
COP Tj = 12°C	5.32	4.73
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	6.70 kW	6.05 kW
COP Tj = Tbiv	4.52	3.34
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.70 kW	6.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.52	3.34
WTOL	75 °C	75 °C
Poff	16 W	16 W

This information was generated by the HP KEYMARK database on 23 Jun 2022

PTO	16 W	16 W
PSB	16 W	16 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Q _{he}	3069 kWh	3439 kWh

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	200 %	160 %
Prated	6.70 kW	6.05 kW
SCOP	5.20	4.18
T _{biv}	-10 °C	-10 °C
TOL	-10 °C	-10 °C
P _{dh} T _j = -7°C	5.91 kW	5.34 kW
COP T _j = -7°C	4.71	3.55

This information was generated by the HP KEYMARK database on 23 Jun 2022

Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = +2°C	3.59 kW	3.25 kW
COP Tj = +2°C	5.39	4.27
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	2.30 kW	2.09 kW
COP Tj = +7°C	5.60	4.76
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	1.14 kW	1.08 kW
COP Tj = 12°C	5.47	4.61
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	6.70 kW	6.05 kW
COP Tj = Tbiv	4.52	3.34
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.70 kW	6.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.52	3.34
WTOL	75 °C	75 °C
Poff	16 W	16 W
PTO	16 W	16 W
PSB	16 W	16 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW

This information was generated by the HP KEYMARK database on 23 Jun 2022

Annual energy consumption Q _{he}	2662 kWh	2988 kWh
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Model: WPE-I 08 H(K)(W) 230 Premium

Configure model	
Model name	WPE-I 08 H(K)(W) 230 Premium
Application	Heating (medium temp)
Units	Indoor
Climate Zone	Colder Climate + Warmer Climate
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	n/a

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	2.78 kW	2.42 kW
El input	0.60 kW	0.79 kW
COP	4.67	3.07

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

Warmer Climate

This information was generated by the HP KEYMARK database on 23 Jun 2022

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	197 %	157 %
Prated	7.66 kW	6.93 kW
SCOP	5.13	4.13
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	7.66 kW	6.93 kW
COP Tj = +2°C	4.29	3.22
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	4.91 kW	4.45 kW
COP Tj = +7°C	5.09	3.88
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	2.17 kW	1.97 kW
COP Tj = 12°C	5.75	4.85
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	7.66 kW	6.93 kW

This information was generated by the HP KEYMARK database on 23 Jun 2022

COP $T_j = T_{biv}$	4.29	3.22
P _{dh} $T_j = TOL$ or P _{dh} $T_j = T_{designh}$ if $TOL < T_{designh}$	7.66 kW	6.93 kW
COP $T_j = TOL$ or COP $T_j = T_{designh}$ if $TOL < T_{designh}$	4.29	3.22
WTOL	75 °C	75 °C
P _{off}	16 W	16 W
PTO	16 W	16 W
PSB	16 W	16 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Q _{he}	1997 kWh	2243 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	204 %	163 %
Prated	7.66 kW	6.93 kW

This information was generated by the HP KEYMARK database on 23 Jun 2022

SCOP	5.29	4.29
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	4.62 kW	4.18 kW
COP Tj = -7°C	5.17	4.07
Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = +2°C	2.81 kW	2.54 kW
COP Tj = +2°C	5.60	4.60
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	1.80 kW	1.63 kW
COP Tj = +7°C	5.76	4.90
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	1.13 kW	1.09 kW
COP Tj = 12°C	5.34	4.75
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	7.66 kW	6.93 kW
COP Tj = Tbiv	4.29	3.22
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.66 kW	6.93 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.29	3.22
WTOL	75 °C	75 °C
Poff	16 W	16 W

This information was generated by the HP KEYMARK database on 23 Jun 2022

PTO	16 W	16 W
PSB	16 W	16 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Q _{he}	3570 kWh	3985 kWh

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	197 %	158 %
Prated	7.66 kW	6.93 kW
SCOP	5.12	4.14
T _{biv}	-10 °C	-10 °C
TOL	-10 °C	-10 °C
P _{dh} T _j = -7°C	6.76 kW	6.12 kW
COP T _j = -7°C	4.53	3.44

This information was generated by the HP KEYMARK database on 23 Jun 2022

Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = +2°C	4.11 kW	3.72 kW
COP Tj = +2°C	5.25	4.21
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	2.64 kW	2.39 kW
COP Tj = +7°C	5.59	4.69
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	1.16 kW	1.08 kW
COP Tj = 12°C	5.52	4.61
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	7.66 kW	6.93 kW
COP Tj = Tbiv	4.29	3.22
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.66 kW	6.93 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.29	3.22
WTOL	75 °C	75 °C
Poff	16 W	16 W
PTO	16 W	16 W
PSB	16 W	16 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW

This information was generated by the HP KEYMARK database on 23 Jun 2022

Annual energy consumption Q _{he}	3094 kWh	3461 kWh
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