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Summary of	SWCV 92 Inverter	Reg. No.	041-K001-26
Certificate Holder			
Name	ait-deutschland GmbH		
Address	Industriestr. 3	Zip	95359
City	Kasendorf	Country	Germany
Certification Body	BRE Global Limited		
Subtype title	SWCV 92 Inverter		
Heat Pump Type	Brine/Water		
Refrigerant	R407c		
Mass of Refrigerant	1.25 kg		
Certification Date	29.03.2019		

Model: SWCV 92(H)(K)3 (3~ 400V)

Configure model	
Model name	SWCV 92(H)(K)3 (3~ 400V)
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	4.00 kW	3.51 kW
El input	0.82 kW	1.16 kW
COP	4.86	3.02

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

Average Climate

This information was generated by the HP KEYMARK database on 21 Jun 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	203 %	148 %
Prated	8.50 kW	7.50 kW
SCOP	5.26	3.91
Tbiv	-8 °C	-8 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.52 kW	6.62 kW
COP Tj = -7°C	4.01	2.96
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	4.58 kW	4.05 kW
COP Tj = +2°C	5.33	3.95
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	2.96 kW	2.60 kW
COP Tj = +7°C	6.11	4.55
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	1.66 kW	1.77 kW

This information was generated by the HP KEYMARK database on 21 Jun 2022

COP Tj = 12°C	6.64	4.91
Cdh Tj = +12 °C	0.92	0.95
Pdh Tj = Tbiv	7.86 kW	6.94 kW
COP Tj = Tbiv	3.82	2.86
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.85 kW	6.93 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.78	2.82
WTOL	65 °C	65 °C
Poff	12 W	12 W
PTO	19 W	19 W
PSB	12 W	12 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 Qhe	3337 kWh	3963 kWh

Warmer Climate

EN 14825		
	Low temperature	Medium temperature
η_s	193 %	156 %
Prated	8.50 kW	8.50 kW
SCOP	5.03	4.11

This information was generated by the HP KEYMARK database on 21 Jun 2022

Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	8.50 kW	8.10 kW
COP Tj = +2°C	3.96	2.87
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	5.46 kW	5.46 kW
COP Tj = +7°C	4.79	3.75
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	2.43 kW	2.43 kW
COP Tj = 12°C	5.75	4.92
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	8.50 kW	8.10 kW
COP Tj = Tbiv	3.96	2.87
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.50 kW	8.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.96	2.87
WTOL	65 °C	65 °C
Poff	12 W	12 W
PTO	19 W	19 W
PSB	12 W	12 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity

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Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Q _{he}	2257 kWh	2763 kWh

Colder Climate

EN 14825		
	Low temperature	Medium temperature
η_s	203 %	161 %
Prated	8.50 kW	8.50 kW
SCOP	5.29	4.22
T _{biv}	-22 °C	-22 °C
TOL	-22 °C	-22 °C
P _{dh} T _j = -7°C	5.14 kW	5.15 kW
COP T _j = -7°C	5.06	3.91
C _{dh} T _j = -7 °C	1.00	1.00
P _{dh} T _j = +2°C	3.13 kW	3.13 kW
COP T _j = +2°C	5.71	4.61
C _{dh} T _j = +2 °C	1.00	1.00
P _{dh} T _j = +7°C	2.01 kW	2.01 kW
COP T _j = +7°C	6.00	5.17
C _{dh} T _j = +7 °C	1.00	1.00
P _{dh} T _j = 12°C	0.89 kW	1.29 kW

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COP Tj = 12°C	5.79	4.88
Cdh Tj = +12 °C	1.00	0.93
Pdh Tj = Tbiv	8.50 kW	8.10 kW
COP Tj = Tbiv	3.50	2.91
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.50 kW	8.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.50	2.91
WTOL	65 °C	65 °C
Poff	12 W	12 W
PTO	19 W	19 W
PSB	12 W	12 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 Qhe	3964 kWh	4967 kWh

Model: SWCV 92H1 (1~ 230V)

Configure model	
Model name	SWCV 92H1 (1~ 230V)
Application	Heating (medium temp)
Units	Indoor
Climate Zone	Colder Climate + Warmer Climate
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	4.00 kW	3.51 kW
El input	0.82 kW	1.16 kW
COP	4.86	3.02

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

Average Climate

This information was generated by the HP KEYMARK database on 21 Jun 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	203 %	148 %
Prated	8.50 kW	7.50 kW
SCOP	5.26	3.91
Tbiv	-8 °C	-8 °C
TOL	-10 °C	-10 °C
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Pdh Tj = +2°C	4.58 kW	4.05 kW
COP Tj = +2°C	5.33	3.95
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	2.96 kW	2.60 kW
COP Tj = +7°C	6.11	4.55
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	1.66 kW	1.77 kW

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Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.85 kW	6.93 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.78	2.82
WTOL	65 °C	65 °C
Poff	12 W	12 W
PTO	19 W	19 W
PSB	12 W	12 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 Qhe	3337 kWh	3963 kWh

Warmer Climate

EN 14825		
	Low temperature	Medium temperature
η_s	193 %	156 %
Prated	8.50 kW	8.50 kW
SCOP	5.03	4.11

This information was generated by the HP KEYMARK database on 21 Jun 2022

Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	8.50 kW	8.10 kW
COP Tj = +2°C	3.96	2.87
Cdh Tj = +2 °C	1.00	1.00
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COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.96	2.87
WTOL	65 °C	65 °C
Poff	12 W	12 W
PTO	19 W	19 W
PSB	12 W	12 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity

This information was generated by the HP KEYMARK database on 21 Jun 2022

Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Q _{he}	2257 kWh	2763 kWh

Colder Climate

EN 14825		
	Low temperature	Medium temperature
η_s	203 %	161 %
Prated	8.50 kW	8.50 kW
SCOP	5.29	4.22
T _{biv}	-22 °C	-22 °C
TOL	-22 °C	-22 °C
P _{dh} T _j = -7°C	5.14 kW	5.15 kW
COP T _j = -7°C	5.06	3.91
C _{dh} T _j = -7 °C	1.00	1.00
P _{dh} T _j = +2°C	3.13 kW	3.13 kW
COP T _j = +2°C	5.71	4.61
C _{dh} T _j = +2 °C	1.00	1.00
P _{dh} T _j = +7°C	2.01 kW	2.01 kW
COP T _j = +7°C	6.00	5.17
C _{dh} T _j = +7 °C	1.00	1.00
P _{dh} T _j = 12°C	0.89 kW	1.29 kW

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COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.50	2.91
WTOL	65 °C	65 °C
Poff	12 W	12 W
PTO	19 W	19 W
PSB	12 W	12 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 Qhe	3964 kWh	4967 kWh

Model: WZSV 92(H)(K)3M(3~ 400V)

Configure model	
Model name	WZSV 92(H)(K)3M(3~ 400V)
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	4.00 kW	3.51 kW
El input	0.82 kW	1.16 kW
COP	4.86	3.02

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

Average Climate

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	203 %	148 %
Prated	8.50 kW	7.50 kW
SCOP	5.26	3.91
Tbiv	-8 °C	-8 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.52 kW	6.62 kW
COP Tj = -7°C	4.01	2.96
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	4.58 kW	4.05 kW
COP Tj = +2°C	5.33	3.95
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	2.96 kW	2.60 kW
COP Tj = +7°C	6.11	4.55
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	1.66 kW	1.77 kW

This information was generated by the HP KEYMARK database on 21 Jun 2022

COP Tj = 12°C	6.64	4.91
Cdh Tj = +12 °C	0.92	0.95
Pdh Tj = Tbiv	7.86 kW	6.94 kW
COP Tj = Tbiv	3.82	2.86
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.85 kW	6.93 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.78	2.82
WTOL	65 °C	65 °C
Poff	12 W	12 W
PTO	19 W	19 W
PSB	12 W	12 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 Qhe	3337 kWh	3963 kWh

Warmer Climate

EN 14825		
	Low temperature	Medium temperature
η_s	193 %	156 %
Prated	8.50 kW	8.50 kW
SCOP	5.03	4.11

This information was generated by the HP KEYMARK database on 21 Jun 2022

Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	8.50 kW	8.10 kW
COP Tj = +2°C	3.96	2.87
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	5.46 kW	5.46 kW
COP Tj = +7°C	4.79	3.75
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	2.43 kW	2.43 kW
COP Tj = 12°C	5.75	4.92
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	8.50 kW	8.10 kW
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COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.96	2.87
WTOL	65 °C	65 °C
Poff	12 W	12 W
PTO	19 W	19 W
PSB	12 W	12 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity

This information was generated by the HP KEYMARK database on 21 Jun 2022

Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Q _{he}	2257 kWh	2763 kWh

Colder Climate

EN 14825		
	Low temperature	Medium temperature
η_s	203 %	161 %
Prated	8.50 kW	8.50 kW
SCOP	5.29	4.22
T _{biv}	-22 °C	-22 °C
TOL	-22 °C	-22 °C
P _{dh} T _j = -7°C	5.14 kW	5.15 kW
COP T _j = -7°C	5.06	3.91
C _{dh} T _j = -7 °C	1.00	1.00
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COP T _j = +2°C	5.71	4.61
C _{dh} T _j = +2 °C	1.00	1.00
P _{dh} T _j = +7°C	2.01 kW	2.01 kW
COP T _j = +7°C	6.00	5.17
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WTOL	65 °C	65 °C
Poff	12 W	12 W
PTO	19 W	19 W
PSB	12 W	12 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 Qhe	3964 kWh	4967 kWh

Model: PWZSV 92H3S (3~ 400V)

Configure model	
Model name	PWZSV 92H3S (3~ 400V)
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	4.00 kW	3.51 kW
El input	0.82 kW	1.16 kW
COP	4.86	3.02

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

Average Climate

This information was generated by the HP KEYMARK database on 21 Jun 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	203 %	148 %
Prated	8.50 kW	7.50 kW
SCOP	5.26	3.91
Tbiv	-8 °C	-8 °C
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Pdh Tj = -7°C	7.52 kW	6.62 kW
COP Tj = -7°C	4.01	2.96
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COP Tj = +2°C	5.33	3.95
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Pdh Tj = +7°C	2.96 kW	2.60 kW
COP Tj = +7°C	6.11	4.55
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Pdh Tj = 12°C	1.66 kW	1.77 kW

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WTOL	65 °C	65 °C
Poff	12 W	12 W
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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 Qhe	3337 kWh	3963 kWh

Warmer Climate

EN 14825		
	Low temperature	Medium temperature
η_s	193 %	156 %
Prated	8.50 kW	8.50 kW
SCOP	5.03	4.11

This information was generated by the HP KEYMARK database on 21 Jun 2022

Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	8.50 kW	8.10 kW
COP Tj = +2°C	3.96	2.87
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	5.46 kW	5.46 kW
COP Tj = +7°C	4.79	3.75
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WTOL	65 °C	65 °C
Poff	12 W	12 W
PTO	19 W	19 W
PSB	12 W	12 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity

This information was generated by the HP KEYMARK database on 21 Jun 2022

Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Q _{he}	2257 kWh	2763 kWh

Colder Climate

EN 14825		
	Low temperature	Medium temperature
η_s	203 %	161 %
Prated	8.50 kW	8.50 kW
SCOP	5.29	4.22
T _{biv}	-22 °C	-22 °C
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COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.50	2.91
WTOL	65 °C	65 °C
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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 Qhe	3964 kWh	4967 kWh

Model: PWZSV 92H2S (3~ 230V)

Configure model	
Model name	PWZSV 92H2S (3~ 230V)
Application	Heating (medium temp)
Units	Indoor
Climate Zone	Colder Climate + Warmer Climate
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	3x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	4.00 kW	3.51 kW
El input	0.82 kW	1.16 kW
COP	4.86	3.02

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

Average Climate

This information was generated by the HP KEYMARK database on 21 Jun 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	203 %	148 %
Prated	8.50 kW	7.50 kW
SCOP	5.26	3.91
Tbiv	-8 °C	-8 °C
TOL	-10 °C	-10 °C
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Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	4.58 kW	4.05 kW
COP Tj = +2°C	5.33	3.95
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	2.96 kW	2.60 kW
COP Tj = +7°C	6.11	4.55
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	1.66 kW	1.77 kW

This information was generated by the HP KEYMARK database on 21 Jun 2022

COP Tj = 12°C	6.64	4.91
Cdh Tj = +12 °C	0.92	0.95
Pdh Tj = Tbiv	7.86 kW	6.94 kW
COP Tj = Tbiv	3.82	2.86
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.85 kW	6.93 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.78	2.82
WTOL	65 °C	65 °C
Poff	12 W	12 W
PTO	19 W	19 W
PSB	12 W	12 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 Qhe	3337 kWh	3963 kWh

Warmer Climate

EN 14825		
	Low temperature	Medium temperature
η_s	193 %	156 %
Prated	8.50 kW	8.50 kW
SCOP	5.03	4.11

This information was generated by the HP KEYMARK database on 21 Jun 2022

Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	8.50 kW	8.10 kW
COP Tj = +2°C	3.96	2.87
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	5.46 kW	5.46 kW
COP Tj = +7°C	4.79	3.75
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	2.43 kW	2.43 kW
COP Tj = 12°C	5.75	4.92
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	8.50 kW	8.10 kW
COP Tj = Tbiv	3.96	2.87
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.50 kW	8.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.96	2.87
WTOL	65 °C	65 °C
Poff	12 W	12 W
PTO	19 W	19 W
PSB	12 W	12 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity

This information was generated by the HP KEYMARK database on 21 Jun 2022

Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Q _{he}	2257 kWh	2763 kWh

Colder Climate

EN 14825		
	Low temperature	Medium temperature
η_s	203 %	161 %
Prated	8.50 kW	8.50 kW
SCOP	5.29	4.22
T _{biv}	-22 °C	-22 °C
TOL	-22 °C	-22 °C
P _{dh} T _j = -7°C	5.14 kW	5.15 kW
COP T _j = -7°C	5.06	3.91
C _{dh} T _j = -7 °C	1.00	1.00
P _{dh} T _j = +2°C	3.13 kW	3.13 kW
COP T _j = +2°C	5.71	4.61
C _{dh} T _j = +2 °C	1.00	1.00
P _{dh} T _j = +7°C	2.01 kW	2.01 kW
COP T _j = +7°C	6.00	5.17
C _{dh} T _j = +7 °C	1.00	1.00
P _{dh} T _j = 12°C	0.89 kW	1.29 kW

This information was generated by the HP KEYMARK database on 21 Jun 2022

COP Tj = 12°C	5.79	4.88
Cdh Tj = +12 °C	1.00	0.93
Pdh Tj = Tbiv	8.50 kW	8.10 kW
COP Tj = Tbiv	3.50	2.91
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.50 kW	8.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.50	2.91
WTOL	65 °C	65 °C
Poff	12 W	12 W
PTO	19 W	19 W
PSB	12 W	12 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 Qhe	3964 kWh	4967 kWh

Model: PWZSV 92H1S(1~ 230V)

Configure model	
Model name	PWZSV 92H1S(1~ 230V)
Application	Heating (medium temp)
Units	Indoor
Climate Zone	Colder Climate + Warmer Climate
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	4.00 kW	3.51 kW
El input	0.82 kW	1.16 kW
COP	4.86	3.02

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

Average Climate

This information was generated by the HP KEYMARK database on 21 Jun 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	203 %	148 %
Prated	8.50 kW	7.50 kW
SCOP	5.26	3.91
Tbiv	-8 °C	-8 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.52 kW	6.62 kW
COP Tj = -7°C	4.01	2.96
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	4.58 kW	4.05 kW
COP Tj = +2°C	5.33	3.95
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	2.96 kW	2.60 kW
COP Tj = +7°C	6.11	4.55
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	1.66 kW	1.77 kW

This information was generated by the HP KEYMARK database on 21 Jun 2022

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Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.85 kW	6.93 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.78	2.82
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Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3337 kWh	3963 kWh

Warmer Climate

EN 14825		
	Low temperature	Medium temperature
η_s	193 %	156 %
Prated	8.50 kW	8.50 kW
SCOP	5.03	4.11

This information was generated by the HP KEYMARK database on 21 Jun 2022

Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	8.50 kW	8.10 kW
COP Tj = +2°C	3.96	2.87
Cdh Tj = +2 °C	1.00	1.00
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PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity

This information was generated by the HP KEYMARK database on 21 Jun 2022

Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Q _{he}	2257 kWh	2763 kWh

Colder Climate

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COP T _j = +7°C	6.00	5.17
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P _{dh} T _j = 12°C	0.89 kW	1.29 kW

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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 Qhe	3964 kWh	4967 kWh