

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

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Summary of	SWCV 62 Inverter	Reg. No.	041-K001-12
Certificate Holder			
Name	ait-deutschland GmbH		
Address	Industriestr. 3	Zip	95359
City	Kasendorf	Country	Germany
Certification Body	BRE Global Limited		
Subtype title	SWCV 62 Inverter		
Heat Pump Type	Brine/Water		
Refrigerant	R407c		
Mass of Refrigerant	1.16 kg		
Certification Date	12.05.2017		
Testing basis	HP Keymark Scheme Transition Rules		

Model: SWCV 62(H)(K)3

Configure model	
Model name	SWCV 62(H)(K)3
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 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed

EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.32 kW	2.95 kW
El input	0.68 kW	0.94 kW
COP	4.86	3.13

Warmer 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	44 dB(A)	44 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	202 %	151 %
Prated	5.50 kW	5.50 kW
SCOP	5.24	3.97
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	5.40 kW	5.40 kW
COP Tj = +2°C	4.15	2.84
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	3.60 kW	3.60 kW
COP Tj = +7°C	5.00	3.59
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	1.70 kW	1.70 kW
COP Tj = 12°C	6.15	4.86
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	5.40 kW	5.40 kW

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COP $T_j = T_{biv}$	4.15	2.84
$P_{dh} T_j = TOL$ or $P_{dh} T_j = T_{designh}$ if $TOL < T_{designh}$	5.40 kW	5.40 kW
COP $T_j = TOL$ or COP $T_j = T_{designh}$ if $TOL < T_{designh}$	4.15	2.84
$C_{dh} T_j = TOL$ or $P_{dh} T_j = T_{designh}$ if $TOL < T_{designh}$	1.00	1.00
WTOL	65 °C	65 °C
Poff	2 W	2 W
PTO	7 W	7 W
PSB	7 W	7 W
PCK	9 W	9 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Q_{he}	1402 kWh	1851 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	211 %	157 %

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Prated	5.50 kW	5.50 kW
SCOP	5.46	4.12
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	3.40 kW	3.40 kW
COP Tj = -7°C	5.17	3.77
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	2.10 kW	2.10 kW
COP Tj = +2°C	5.91	4.51
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	1.40 kW	1.40 kW
COP Tj = +7°C	6.36	5.12
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	1.30 kW	1.20 kW
COP Tj = 12°C	5.54	4.81
Cdh Tj = +12 °C	0.96	0.96
Pdh Tj = Tbiv	5.40 kW	5.40 kW
COP Tj = Tbiv	4.15	2.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.40 kW	5.40 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.15	2.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00

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WTOL	65 °C	65 °C
Poff	2 W	2 W
PTO	7 W	7 W
PSB	7 W	7 W
PCK	9 W	9 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2482 kWh	3288 kWh

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	199 %	150 %
Prated	5.50 kW	5.50 kW
SCOP	5.18	3.95
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C

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Pdh Tj = -7°C	5.00 kW	5.00 kW
COP Tj = -7°C	4.37	3.06
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	3.10 kW	3.00 kW
COP Tj = +2°C	5.24	3.97
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	2.00 kW	2.00 kW
COP Tj = +7°C	5.92	4.63
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	1.30 kW	1.20 kW
COP Tj = 12°C	5.95	4.86
Cdh Tj = +12 °C	0.96	0.96
Pdh Tj = Tbiv	5.40 kW	5.40 kW
COP Tj = Tbiv	4.15	2.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.40 kW	5.40 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.15	2.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	65 °C	65 °C
Poff	2 W	2 W
PTO	7 W	7 W
PSB	7 W	7 W

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PCK	9 W	9 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Q _{he}	2192 kWh	2878 kWh

Model: SWCV 62H1

Configure model	
Model name	SWCV 62H1
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 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed

EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.32 kW	2.95 kW
El input	0.68 kW	0.94 kW
COP	4.86	3.13

Warmer Climate

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EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)

EN 14825

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PTO	7 W	7 W
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PCK	9 W	9 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Q_{he}	1402 kWh	1851 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)

EN 14825		
	Low temperature	Medium temperature
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Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	1.40 kW	1.40 kW
COP Tj = +7°C	6.36	5.12
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Pdh Tj = 12°C	1.30 kW	1.20 kW
COP Tj = 12°C	5.54	4.81
Cdh Tj = +12 °C	0.96	0.96
Pdh Tj = Tbiv	5.40 kW	5.40 kW
COP Tj = Tbiv	4.15	2.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.40 kW	5.40 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.15	2.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00

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WTOL	65 °C	65 °C
Poff	2 W	2 W
PTO	7 W	7 W
PSB	7 W	7 W
PCK	9 W	9 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2482 kWh	3288 kWh

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)

EN 14825		
	Low temperature	Medium temperature
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Prated	5.50 kW	5.50 kW
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TOL	-10 °C	-10 °C

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COP Tj = +2°C	5.24	3.97
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	2.00 kW	2.00 kW
COP Tj = +7°C	5.92	4.63
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WTOL	65 °C	65 °C
Poff	2 W	2 W
PTO	7 W	7 W
PSB	7 W	7 W

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

PCK	9 W	9 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Q _{he}	2192 kWh	2878 kWh

Model: WZSV 62(H)(K)3M

Configure model	
Model name	WZSV 62(H)(K)3M
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 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed

EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.32 kW	2.95 kW
El input	0.68 kW	0.94 kW
COP	4.86	3.13

Warmer Climate

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EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	202 %	151 %
Prated	5.50 kW	5.50 kW
SCOP	5.24	3.97
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	5.40 kW	5.40 kW
COP Tj = +2°C	4.15	2.84
Cdh Tj = +2 °C	1.00	1.00
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COP Tj = +7°C	5.00	3.59
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	1.70 kW	1.70 kW
COP Tj = 12°C	6.15	4.86
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	5.40 kW	5.40 kW

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P _{dh} $T_j = TOL$ or P _{dh} $T_j = T_{designh}$ if $TOL < T_{designh}$	5.40 kW	5.40 kW
COP $T_j = TOL$ or COP $T_j = T_{designh}$ if $TOL < T_{designh}$	4.15	2.84
C _{dh} $T_j = TOL$ or P _{dh} $T_j = T_{designh}$ if $TOL < T_{designh}$	1.00	1.00
WTOL	65 °C	65 °C
P _{off}	2 W	2 W
PTO	7 W	7 W
PSB	7 W	7 W
PCK	9 W	9 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Q _{he}	1402 kWh	1851 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	211 %	157 %

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COP Tj = -7°C	5.17	3.77
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	2.10 kW	2.10 kW
COP Tj = +2°C	5.91	4.51
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	1.40 kW	1.40 kW
COP Tj = +7°C	6.36	5.12
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	1.30 kW	1.20 kW
COP Tj = 12°C	5.54	4.81
Cdh Tj = +12 °C	0.96	0.96
Pdh Tj = Tbiv	5.40 kW	5.40 kW
COP Tj = Tbiv	4.15	2.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.40 kW	5.40 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.15	2.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00

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WTOL	65 °C	65 °C
Poff	2 W	2 W
PTO	7 W	7 W
PSB	7 W	7 W
PCK	9 W	9 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2482 kWh	3288 kWh

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	199 %	150 %
Prated	5.50 kW	5.50 kW
SCOP	5.18	3.95
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C

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Pdh Tj = -7°C	5.00 kW	5.00 kW
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Pdh Tj = +7°C	2.00 kW	2.00 kW
COP Tj = +7°C	5.92	4.63
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WTOL	65 °C	65 °C
Poff	2 W	2 W
PTO	7 W	7 W
PSB	7 W	7 W

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

PCK	9 W	9 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Q _{he}	2192 kWh	2878 kWh

Model: PWZSV 62H3S

Configure model	
Model name	PWZSV 62H3S
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 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed

EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.32 kW	2.95 kW
El input	0.68 kW	0.94 kW
COP	4.86	3.13

Warmer Climate

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EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)

EN 14825

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Average Climate

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	Low temperature	Medium temperature
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COP Tj = -7°C	4.37	3.06
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	3.10 kW	3.00 kW
COP Tj = +2°C	5.24	3.97
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	2.00 kW	2.00 kW
COP Tj = +7°C	5.92	4.63
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	1.30 kW	1.20 kW
COP Tj = 12°C	5.95	4.86
Cdh Tj = +12 °C	0.96	0.96
Pdh Tj = Tbiv	5.40 kW	5.40 kW
COP Tj = Tbiv	4.15	2.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.40 kW	5.40 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.15	2.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	65 °C	65 °C
Poff	2 W	2 W
PTO	7 W	7 W
PSB	7 W	7 W

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

PCK	9 W	9 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Q _{he}	2192 kWh	2878 kWh

Model: PWZSV 62H2S

Configure model	
Model name	PWZSV 62H2S
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 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed

EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.32 kW	2.95 kW
El input	0.68 kW	0.94 kW
COP	4.86	3.13

Warmer 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	44 dB(A)	44 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	202 %	151 %
Prated	5.50 kW	5.50 kW
SCOP	5.24	3.97
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	5.40 kW	5.40 kW
COP Tj = +2°C	4.15	2.84
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	3.60 kW	3.60 kW
COP Tj = +7°C	5.00	3.59
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	1.70 kW	1.70 kW
COP Tj = 12°C	6.15	4.86
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	5.40 kW	5.40 kW

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

COP Tj = Tbiv	4.15	2.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.40 kW	5.40 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.15	2.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	65 °C	65 °C
Poff	2 W	2 W
PTO	7 W	7 W
PSB	7 W	7 W
PCK	9 W	9 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1402 kWh	1851 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	211 %	157 %

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

Prated	5.50 kW	5.50 kW
SCOP	5.46	4.12
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	3.40 kW	3.40 kW
COP Tj = -7°C	5.17	3.77
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	2.10 kW	2.10 kW
COP Tj = +2°C	5.91	4.51
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	1.40 kW	1.40 kW
COP Tj = +7°C	6.36	5.12
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	1.30 kW	1.20 kW
COP Tj = 12°C	5.54	4.81
Cdh Tj = +12 °C	0.96	0.96
Pdh Tj = Tbiv	5.40 kW	5.40 kW
COP Tj = Tbiv	4.15	2.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.40 kW	5.40 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.15	2.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00

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

WTOL	65 °C	65 °C
Poff	2 W	2 W
PTO	7 W	7 W
PSB	7 W	7 W
PCK	9 W	9 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2482 kWh	3288 kWh

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	199 %	150 %
Prated	5.50 kW	5.50 kW
SCOP	5.18	3.95
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C

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

Pdh Tj = -7°C	5.00 kW	5.00 kW
COP Tj = -7°C	4.37	3.06
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	3.10 kW	3.00 kW
COP Tj = +2°C	5.24	3.97
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	2.00 kW	2.00 kW
COP Tj = +7°C	5.92	4.63
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	1.30 kW	1.20 kW
COP Tj = 12°C	5.95	4.86
Cdh Tj = +12 °C	0.96	0.96
Pdh Tj = Tbiv	5.40 kW	5.40 kW
COP Tj = Tbiv	4.15	2.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.40 kW	5.40 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.15	2.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	65 °C	65 °C
Poff	2 W	2 W
PTO	7 W	7 W
PSB	7 W	7 W

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

PCK	9 W	9 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Q _{he}	2192 kWh	2878 kWh

Model: PWZSV 62H1S

Configure model	
Model name	PWZSV 62H1S
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 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed

EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.32 kW	2.95 kW
El input	0.68 kW	0.94 kW
COP	4.86	3.13

Warmer 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	44 dB(A)	44 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	202 %	151 %
Prated	5.50 kW	5.50 kW
SCOP	5.24	3.97
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	5.40 kW	5.40 kW
COP Tj = +2°C	4.15	2.84
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	3.60 kW	3.60 kW
COP Tj = +7°C	5.00	3.59
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	1.70 kW	1.70 kW
COP Tj = 12°C	6.15	4.86
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	5.40 kW	5.40 kW

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

COP Tj = Tbiv	4.15	2.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.40 kW	5.40 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.15	2.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	65 °C	65 °C
Poff	2 W	2 W
PTO	7 W	7 W
PSB	7 W	7 W
PCK	9 W	9 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1402 kWh	1851 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	211 %	157 %

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

Prated	5.50 kW	5.50 kW
SCOP	5.46	4.12
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	3.40 kW	3.40 kW
COP Tj = -7°C	5.17	3.77
Cdh Tj = -7 °C	1.00	1.00
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COP Tj = +2°C	5.91	4.51
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Pdh Tj = +7°C	1.40 kW	1.40 kW
COP Tj = +7°C	6.36	5.12
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Pdh Tj = 12°C	1.30 kW	1.20 kW
COP Tj = 12°C	5.54	4.81
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Pdh Tj = Tbiv	5.40 kW	5.40 kW
COP Tj = Tbiv	4.15	2.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.40 kW	5.40 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.15	2.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00

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

WTOL	65 °C	65 °C
Poff	2 W	2 W
PTO	7 W	7 W
PSB	7 W	7 W
PCK	9 W	9 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2482 kWh	3288 kWh

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	199 %	150 %
Prated	5.50 kW	5.50 kW
SCOP	5.18	3.95
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C

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

Pdh Tj = -7°C	5.00 kW	5.00 kW
COP Tj = -7°C	4.37	3.06
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	3.10 kW	3.00 kW
COP Tj = +2°C	5.24	3.97
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	2.00 kW	2.00 kW
COP Tj = +7°C	5.92	4.63
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	1.30 kW	1.20 kW
COP Tj = 12°C	5.95	4.86
Cdh Tj = +12 °C	0.96	0.96
Pdh Tj = Tbiv	5.40 kW	5.40 kW
COP Tj = Tbiv	4.15	2.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.40 kW	5.40 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.15	2.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	65 °C	65 °C
Poff	2 W	2 W
PTO	7 W	7 W
PSB	7 W	7 W

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

PCK	9 W	9 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Q _{he}	2192 kWh	2878 kWh