

Page 1 of 43

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

Login

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	

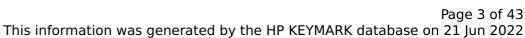
General Data		
Power supply	3x400V 50Hz	

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
СОР	4.86	3.13

Warmer Climate



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

CEN heat pump KEYMARK

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 = $+7^{\circ}$ C	3.60 kW	3.60 kW	
$COP Tj = +7^{\circ}C$	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	





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
РТО	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 %





	ited by the Hi KETMA	TIK database on 21 Juli 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
$COP Tj = -7^{\circ}C$	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 = $+7^{\circ}$ C	1.40 kW	1.40 kW
$COPTj = +7^{\circ}C$	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





WTOL	65 °C	65 °C
Poff	2 W	2 W
РТО	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





The intermediate mas general		int database on 21 jan 2022
Pdh Tj = -7°C	5.00 kW	5.00 kW
$COPTj = -7^{\circ}C$	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 = $+7^{\circ}$ 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
РТО	7 W	7 W
PSB	7 W	7 W



Page 8 of 43

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	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	

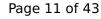
EN 14511-2				
Low temperature Medium temperature				
Heat output	3.32 kW	2.95 kW		
El input	0.68 kW	0.94 kW		
СОР	4.86	3.13		

Warmer 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}	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



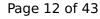


COP Tj = Tbiv	4.15	2.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.40 kW	5.40 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.15	2.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	65 °C	65 °C
Poff	2 W	2 W
РТО	7 W	7 W
PSB	7 W	7 W
PCK	9 W	9 W
Supplementary Heater: 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

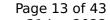
EN 12102-1			
Low temperature Medium temperature			
Sound power level indoor	44 dB(A)	44 dB(A)	

EN 14825		
	Low temperature	Medium temperature
η_s	211 %	157 %





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 = $+7^{\circ}$ C	1.40 kW	1.40 kW
$COP Tj = +7^{\circ}C$	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



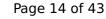


This information was generated by the HP KEYMARK database on 21 Jun 2022		
WTOL	65 °C	65 °C
Poff	2 W	2 W
РТО	7 W	7 W
PSB	7 W	7 W
PCK	9 W	9 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2482 kWh	3288 kWh

Average Climate

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

EN 14825			
	Low t	emperature Medium te	emperature
η_{S}	199 %	150 %	
Prated	5.50 k	5.50 kW	
SCOP	5.18	3.95	
Tbiv	-10 °C	-10 °C	
TOL	-10 °C	-10 °C	
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This information was genera		
Pdh Tj = -7°C	5.00 kW	5.00 kW
$COP Tj = -7^{\circ}C$	4.37	3.06
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = $+2$ °C	3.10 kW	3.00 kW
$COPTj = +2^{\circ}C$	5.24	3.97
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = $+7^{\circ}$ C	2.00 kW	2.00 kW
$COPTj = +7^{\circ}C$	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
РТО	7 W	7 W
PSB	7 W	7 W



Page 15 of 43

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	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
СОР	4.86	3.13

Warmer 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}	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



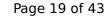


COP Tj = Tbiv	4.15	2.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.40 kW	5.40 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.15	2.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	65 °C	65 °C
Poff	2 W	2 W
PTO	7 W	7 W
PSB	7 W	7 W
PCK	9 W	9 W
Supplementary Heater: 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 %





Prated 5.50 kW 5.50 kW				
Prateu	5.50 KW	3.30 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		
$COPTj = -7^{\circ}C$	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 = $+7^{\circ}$ C	1.40 kW	1.40 kW		
$COPTj = +7^{\circ}C$	6.36	5.12		
Cdh Tj = +7 °C	1.00	1.00		
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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		
	+	+		



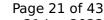


This information was g	cheracea by the min	in mark database on 21 jun 202
WTOL	65 °C	65 °C
Poff	2 W	2 W
РТО	7 W	7 W
PSB	7 W	7 W
PCK	9 W	9 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2482 kWh	3288 kWh

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	
199 %	150 %	
5.50 kW	5.50 kW	
5.18	3.95	
-10 °C	-10 °C	
-10 °C	-10 °C	
	Low temperature 199 % 5.50 kW 5.18 -10 °C	





The intermediate mas general		int database on 21 jan 2022
Pdh Tj = -7°C	5.00 kW	5.00 kW
$COPTj = -7^{\circ}C$	4.37	3.06
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Pdh Tj = $+7^{\circ}$ C	2.00 kW	2.00 kW
COP Tj = +7°C	5.92	4.63
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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
РТО	7 W	7 W
PSB	7 W	7 W



Page 22 of 43

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	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
СОР	4.86	3.13

Warmer 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}	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
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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



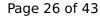


COP Tj = Tbiv	4.15	2.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.40 kW	5.40 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.15	2.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	65 °C	65 °C
Poff	2 W	2 W
РТО	7 W	7 W
PSB	7 W	7 W
PCK	9 W	9 W
Supplementary Heater: 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

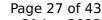
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{S}	211 %	157 %





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
$COPTj = -7^{\circ}C$	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
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Pdh Tj = $+7^{\circ}$ C	1.40 kW	1.40 kW
$COP Tj = +7^{\circ}C$	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



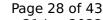


WTOL	65 °C	65 °C
Poff	2 W	2 W
РТО	7 W	7 W
PSB	7 W	7 W
PCK	9 W	9 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2482 kWh	3288 kWh

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 genera		
Pdh Tj = -7°C	5.00 kW	5.00 kW
$COP Tj = -7^{\circ}C$	4.37	3.06
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = $+2$ °C	3.10 kW	3.00 kW
$COPTj = +2^{\circ}C$	5.24	3.97
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = $+7^{\circ}$ C	2.00 kW	2.00 kW
$COPTj = +7^{\circ}C$	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
РТО	7 W	7 W
PSB	7 W	7 W



Page 29 of 43

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	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
СОР	4.86	3.13

Warmer 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}	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



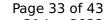


COP Tj = Tbiv	4.15	2.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.40 kW	5.40 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.15	2.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	65 °C	65 °C
Poff	2 W	2 W
РТО	7 W	7 W
PSB	7 W	7 W
PCK	9 W	9 W
Supplementary Heater: 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 %





	<u>, </u>	NK database on 21 juli 202
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
$COPTj = -7^{\circ}C$	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 = $+7^{\circ}$ C	1.40 kW	1.40 kW
$COPTj = +7^{\circ}C$	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 fir NETT with accordance on Ellyan E		
WTOL	65 °C	65 °C
Poff	2 W	2 W
РТО	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

2482 kWh

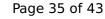
3288 kWh

Average Climate

Annual energy consumption Qhe

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

EN 14825		
	Low temperat	ture 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
		1





This information was genera		
Pdh Tj = -7°C	5.00 kW	5.00 kW
$COP Tj = -7^{\circ}C$	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 = $+7^{\circ}$ C	2.00 kW	2.00 kW
$COPTj = +7^{\circ}C$	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
РТО	7 W	7 W
PSB	7 W	7 W



Page 36 of 43

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	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		
СОР	4.86	3.13		

Warmer 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}	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 = $+7^{\circ}$ C	3.60 kW	3.60 kW
$COP Tj = +7^{\circ}C$	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
	1	





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
РТО	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 %





Prated	5.50 kW	5.50 kW
Prateu	5.50 KW	3.30 KW
SCOP	5.46	4.12
Tbiv	-22 °C	-22 °C
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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	
РТО	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 temperat	ture 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
		1





This information was genera		
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COP Tj = +2°C	5.24	3.97
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Pdh Tj = $+7^{\circ}$ C	2.00 kW	2.00 kW
$COP Tj = +7^{\circ}C$	5.92	4.63
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COP Tj = 12°C	5.95	4.86
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Pdh Tj = Tbiv	5.40 kW	5.40 kW
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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
РТО	7 W	7 W
PSB	7 W	7 W



Page 43 of 43

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	2192 kWh	2878 kWh