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Summary of	WPL 17 I(K)CS classic	Reg. No.	011-1W0224	
Certificate Holder				
Name	STIEBEL ELTRON GmbH & Co I	STIEBEL ELTRON GmbH & Co KG		
Address	Dr. Stiebel Straße 33	Zip	37603	
City	Holzminden	Country	Germany	
Certification Body	DIN CERTCO Gesellschaft für k	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH		
Subtype title	WPL 17 I(K)CS classic	WPL 17 I(K)CS classic		
Heat Pump Type	Outdoor Air/Water	Outdoor Air/Water		
Refrigerant	R410A			
Mass of Refrigerant	2.6 kg	2.6 kg		
Certification Date	04.09.2019	04.09.2019		
Testing basis	HP KEYMARK certification scheme rules rev. no. 5			



Model: WPL 17 IKCS classic

Configure model		
Model name	WPL 17 IKCS classic	
Application	Heating (medium temp)	
Units	Indoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

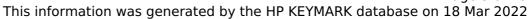
General Data		
Power supply	1x230V 50Hz	

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	
Defrost test	passed	

EN 14511-2			
Low temperature Medium temperature			
Heat output	4.22 kW	3.75 kW	
El input	0.92 kW	1.49 kW	
СОР	4.60	2.51	

Average Climate





EN 14825			
	Low temperature	Medium temperature	
η_{s}	161 %	126 %	
Prated	9.20 kW	7.10 kW	
SCOP	4.11	3.21	
Tbiv	-7 °C	-7 °C	
TOL	-10 °C	-10 °C	
Pdh Tj = -7°C	7.93 kW	6.28 kW	
COP Tj = -7°C	2.61	2.13	
Cdh Tj = -7 °C	0.90	0.90	
Pdh Tj = $+2$ °C	5.16 kW	4.73 kW	
COP Tj = +2°C	4.03	3.04	
Cdh Tj = +2 °C	0.90	0.90	
Pdh Tj = +7°C	4.20 kW	4.20 kW	
$COP Tj = +7^{\circ}C$	5.25	4.44	
Cdh Tj = +7 °C	0.90	0.90	
Pdh Tj = 12°C	3.39 kW	3.14 kW	
COP Tj = 12°C	8.03	6.21	
Cdh Tj = +12 °C	0.90	0.90	
Pdh Tj = Tbiv	7.93 kW	6.28 kW	
COP Tj = Tbiv	2.61	2.13	





Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.29 kW	2.77 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.55	1.83
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	56 W	56 W
РТО	21 W	21 W
PSB	56 W	56 W
PCK	26 W	26 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.91 kW	4.43 kW
Annual energy consumption Qhe	4621 kWh	4564 kWh

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	40 dB(A)	44 dB(A)	

Warmer Climate

EN 14825			
Low temperature Medium temperature			
η_{s}	207 %	142 %	
Prated	4.95 kW	4.30 kW	
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SCOP	5.24	3.63
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = $+2$ °C	4.95 kW	4.34 kW
COP Tj = +2°C	3.70	2.21
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = $+7^{\circ}$ C	4.21 kW	3.96 kW
$COP Tj = +7^{\circ}C$	4.90	3.21
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	3.31 kW	2.98 kW
COP Tj = 12°C	7.35	5.30
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	4.95 kW	4.34 kW
COP Tj = Tbiv	3.70	2.21
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.95 kW	4.34 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.70	2.21
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	56 W	56 W
РТО	21 W	21 W
PSB	56 W	56 W
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PCK	26 W	26 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1262 kWh	1584 kWh

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	40 dB(A)	44 dB(A)	

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	48 dB(A)

EN 14825			
		Low temperature	Medium temperature
η_{s}		126 %	105 %
Prated		13.20 kW	12.70 kW
SCOP		3.23	2.69
Tbiv		-7 °C	-7 °C
TOL		-20 °C	-20 °C





Pdh Tj = -7°C	7.96 kW	7.69 kW
COP Tj = -7°C	2.73	2.26
Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = +2°C	5.29 kW	4.89 kW
$COP Tj = +2^{\circ}C$	4.24	3.49
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	4.19 kW	4.21 kW
$COP Tj = +7^{\circ}C$	5.45	4.82
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	3.39 kW	3.23 kW
COP Tj = 12°C	8.03	6.75
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	7.96 kW	7.69 kW
COP Tj = Tbiv	2.73	2.26
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.13 kW	5.24 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.27	1.00
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	56 W	56 W
РТО	21 W	21 W
PSB	56 W	56 W



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PCK	26 W	26 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	7.38 kW	6.79 kW
Annual energy consumption Qhe	10074 kWh	11651 kWh
Pdh Tj = -15°C (if TOL<-20°C)	6.21	6.18
COP Tj = -15°C (if TOL $<$ -20°C)	2.43	1.48
Cdh Tj = -15 °C	0.90	0.90



Model: WPL 17 ICS classic

Configure model		
Model name	WPL 17 ICS classic	
Application	Heating (medium temp)	
Units	Indoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
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	
Defrost test	passed	

EN 14511-2		
Low temperature Medium temperature		
Heat output	4.27 kW	3.81 kW
El input	0.90 kW	1.48 kW
СОР	4.74	2.58

Average Climate



EN 12102-1		
Low temperature Medium temperature		
Sound power level indoor	43 dB(A)	48 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	167 %	129 %
Prated	9.00 kW	7.20 kW
SCOP	4.24	3.30
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.98 kW	6.39 kW
COP Tj = -7°C	2.65	2.17
Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = +2°C	5.25 kW	4.81 kW
COP Tj = +2°C	4.19	3.14
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	4.26 kW	4.25 kW
COP Tj = +7°C	5.44	4.56
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	3.43 kW	3.18 kW



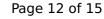


COP Tj = 12°C	8.21	6.33
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	7.98 kW	6.39 kW
COP Tj = Tbiv	2.65	2.17
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.35 kW	2.77 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.59	1.83
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	56 W	56 W
РТО	21 W	21 W
PSB	56 W	56 W
PCK	26 W	26 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.65 kW	4.43 kW
Annual energy consumption Qhe	4387 kWh	4506 kWh

Warmer Climate

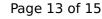
EN 12102-1			
	Low temperature Medium temperature		
Sound power level indoor	43 dB(A)	48 dB(A)	

EN 14825





	Low temperature	Medium temperature
η_{s}	212 %	145 %
Prated	5.02 kW	4.40 kW
SCOP	5.38	3.69
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	5.02 kW	4.42 kW
COP Tj = +2°C	3.83	2.27
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	4.27 kW	4.02 kW
$COP Tj = +7^{\circ}C$	5.06	3.30
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	3.35 kW	3.01 kW
COP Tj = 12°C	7.50	5.35
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	5.02 kW	4.42 kW
COP Tj = Tbiv	3.83	2.27
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL $<$ Tdesignh	5.02 kW	4.42 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.83	2.27
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90



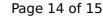


WTOL	60 °C	60 °C
Poff	56 W	56 W
РТО	21 W	21 W
PSB	56 W	56 W
PCK	26 W	26 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1247 kWh	1592 kWh

Colder Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	43 dB(A)	48 dB(A)	

EN 14825		
	Low temperature	Medium temperature
η_{s}	130 %	112 %
Prated	13.40 kW	13.00 kW
SCOP	3.33	2.86
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
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Pdh Tj = -7°C	8.13 kW	7.84 kW
$COPTj = -7^{\circ}C$	2.81	2.31
Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = $+2$ °C	5.39 kW	4.96 kW
COP Tj = +2°C	4.42	3.61
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = $+7$ °C	4.26 kW	4.27 kW
$COPTj = +7^{\circ}C$	5.65	4.98
Cdh Tj = $+7$ °C	0.90	0.90
Pdh Tj = 12°C	3.43 kW	3.26 kW
COP Tj = 12°C	8.21	6.88
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	8.13 kW	7.84 kW
COP Tj = Tbiv	2.81	2.31
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.24 kW	5.24 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.33	2.33
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL $<$ Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	56 W	56 W
РТО	21 W	21 W
PSB	56 W	56 W



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PCK	26 W	26 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	7.45 kW	7.08 kW
Annual energy consumption Qhe	9919 kWh	11197 kWh
Pdh Tj = -15°C (if TOL<-20°C)	6.29	6.24
COP Tj = -15°C (if TOL $<$ -20°C)	2.47	2.32
Cdh Tj = -15 °C	0.90	0.90