

Summary of	LWZ 5/8	Reg. No.	011-1W0037	
Certificate Holder				
Name	STIEBEL ELTRON GmbH & Co	STIEBEL ELTRON GmbH & Co KG		
Address	Dr. Stiebel Straße 33	Zip	37603	
City	Holzminden	Country	Germany	
Certification Body	DIN CERTCO Gesellschaft für	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH		
Name of testing laboratory	Universität Stuttgart Institut 1	Universität Stuttgart Institut für GebäudeEnergetik		
Subtype title	LWZ 5/8			
Heat Pump Type	Outdoor Air/Water			
Refrigerant	R410a	R410a		
Mass Of Refrigerant	2.95 kg	2.95 kg		
Certification Date	31.10.2020			



Model: LWZ 8 CS Premium

General Data	
Power supply	1x230V 50Hz

Heating

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

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	4.40 kW	3.84 kW	
El input	0.93 kW	1.44 kW	
СОР	4.74	2.66	
Indoor water flow rate	0.77 m³/h	0.42 m³/h	

Average Climate



EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	52 dB(A)	52 dB(A)	
Sound power level outdoor	55 dB(A)	50 dB(A)	

EN 14825		
	Low temperature	Medium temperature
η_{s}	163 %	128 %
Prated	10.00 kW	7.00 kW
SCOP	4.14	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.42 kW	5.87 kW
COP Tj = -7°C	2.76	2.26
Pdh Tj = +2°C	5.12 kW	3.52 kW
COP Tj = +2°C	3.94	3.27
Pdh Tj = +7°C	3.26 kW	2.72 kW
COP Tj = +7°C	5.53	4.14
Pdh Tj = 12°C	3.35 kW	3.20 kW
COP Tj = 12°C	7.09	5.29
Pdh Tj = Tbiv	8.42 kW	5.87 kW





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COP Tj = Tbiv	2.76	2.26
Pdh Tj = TOL	8.37 kW	2.67 kW
COP Tj = TOL	2.69	1.88
Rated airflow rate	0 m³/h	0 m³/h
Cdh	0.98	0.98
WTOL	60 °C	60 °C
Poff	27 W	27 W
РТО	63 W	63 W
PSB	27 W	27 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	1.15 kW	3.97 kW
Annual energy consumption Qhe	4755 kWh	4199 kWh

Warmer Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	52 dB(A)	52 dB(A)	
Sound power level outdoor	55 dB(A)	50 dB(A)	

EN 1	4825	
	Low temperature	Medium temperature





η_{s}	207 %	150 %
Prated	9.00 kW	8.00 kW
SCOP	5.24	3.82
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = -7°C	0.00 kW	0.00 kW
COP Tj = -7°C	0.00	0.00
Pdh Tj = +2°C	8.81 kW	8.32 kW
COP Tj = +2°C	3.18	2.34
Pdh Tj = +7°C	5.77 kW	5.41 kW
COP Tj = +7°C	4.57	3.26
Pdh Tj = 12°C	3.34 kW	3.17 kW
COP Tj = 12°C	6.89	5.11
Pdh Tj = Tbiv	8.81 kW	8.32 kW
COP Tj = Tbiv	3.18	2.34
Pdh Tj = TOL	8.81 kW	8.32 kW
COP Tj = TOL	3.18	2.34
Rated airflow rate	0 m³/h	0 m³/h
Cdh	0.98	0.98
WTOL	60 °C	60 °C





Poff	27 W	27 W
PTO	63 W	63 W
PSB	27 W	27 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2243 kWh	2911 kWh

Colder Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	52 dB(A)	52 dB(A)	
Sound power level outdoor	55 dB(A)	50 dB(A)	

EN 14825		
	Low temperature	Medium temperature
η _s	131 %	102 %
Prated	14.00 kW	11.00 kW
SCOP	3.34	2.62
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-13 °C





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Pdh Tj = -7°C	8.62 kW	6.38 kW
COP Tj = -7°C	2.96	2.50
Pdh Tj = +2°C	5.28 kW	3.92 kW
COP Tj = +2°C	4.20	3.48
Pdh Tj = +7°C	3.42 kW	2.79 kW
$COP Tj = +7^{\circ}C$	5.87	4.68
Pdh Tj = 12°C	3.35 kW	3.24 kW
COP Tj = 12°C	7.12	5.67
Pdh Tj = Tbiv	8.62 kW	6.38 kW
COP Tj = Tbiv	2.56	2.50
Pdh Tj = TOL	5.73 kW	2.58 kW
COP Tj = TOL	2.56	6.38
Rated airflow rate	0 m³/h	0 m³/h
Cdh	0.98	0.98
WTOL	60 °C	60 °C
Poff	27 W	27 W
РТО	63 W	63 W
PSB	27 W	27 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	14.24 kW	10.57 kW



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This information was generated by the HP KEYMARK database on 17 Dec 2020

Annual energy consumption Qhe	10498 kWh	9932 kWh



Model: LWZ 8 S Trend

General Data	
Power supply	1x230V 50Hz

Heating

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

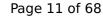
EN 14511-2		
	Low temperature	Medium temperature
Heat output	4.40 kW	3.84 kW
El input	0.93 kW	1.44 kW
СОР	4.74	2.66
Indoor water flow rate	0.77 m³/h	0.42 m³/h

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	52 dB(A)	52 dB(A)
Sound power level outdoor	55 dB(A)	50 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	155 %	121 %
Prated	10.00 kW	7.00 kW
SCOP	3.95	3.10
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.42 kW	5.87 kW
COP Tj = -7°C	2.76	2.26
Pdh Tj = +2°C	5.12 kW	3.52 kW
COP Tj = +2°C	3.94	3.27
Pdh Tj = +7°C	3.26 kW	2.72 kW
COP Tj = +7°C	5.53	4.14
Pdh Tj = 12°C	3.35 kW	3.20 kW
COP Tj = 12°C	7.09	5.29
Pdh Tj = Tbiv	8.42 kW	5.87 kW



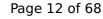


COP Tj = Tbiv	2.76	2.26
Pdh Tj = TOL	8.37 kW	2.67 kW
COP Tj = TOL	2.69	1.88
Rated airflow rate	0 m³/h	0 m³/h
Cdh	0.98	0.98
WTOL	60 °C	60 °C
Poff	27 W	27 W
PTO	63 W	63 W
PSB	27 W	27 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	1.15 kW	3.97 kW
Annual energy consumption Qhe	4982 kWh	4427 kWh

Warmer Climate

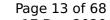
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	52 dB(A)	52 dB(A)
Sound power level outdoor	5 dB(A)	50 dB(A)

EN 1	4825	
	Low temperature	Medium temperature





η_{s}	184 %	133 %
Prated	9.00 kW	8.00 kW
SCOP	4.67	3.41
Tbiv	2 °C	0 °C
TOL	2 °C	0 °C
Pdh Tj = -7°C	0.00 kW	0.00 kW
COP Tj = -7°C	0.00	0.00
Pdh Tj = +2°C	8.81 kW	8.32 kW
COP Tj = +2°C	3.18	2.34
Pdh Tj = +7°C	5.77 kW	5.41 kW
COP Tj = +7°C	4.57	3.26
Pdh Tj = 12°C	3.34 kW	3.17 kW
COP Tj = 12°C	6.89	5.11
Pdh Tj = Tbiv	8.81 kW	8.32 kW
COP Tj = Tbiv	3.18	2.34
Pdh Tj = TOL	8.81 kW	8.32 kW
COP Tj = TOL	3.18	2.34
Rated airflow rate	0 m³/h	0 m³/h
Cdh	0.98	0.98
WTOL	60 °C	60 °C



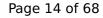


This information was generated by the HP KEYMARK database on 17 Dec 2020		
Poff	24 W	24 W
РТО	69 W	69 W
PSB	24 W	24 W
PCK	55 W	55 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2517 kWh	3264 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	52 dB(A)	52 dB(A)
Sound power level outdoor	55 dB(A)	50 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	129 %	100 %
Prated	14.00 kW	11.00 kW
SCOP	3.30	2.58
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-13 °C





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Pdh Tj = -7°C	8.62 kW	6.38 kW
COP Tj = -7°C	2.96	2.50
Pdh Tj = +2°C	5.28 kW	3.92 kW
COP Tj = +2°C	4.20	3.48
Pdh Tj = +7°C	3.42 kW	2.79 kW
$COP Tj = +7^{\circ}C$	5.87	4.68
Pdh Tj = 12°C	3.35 kW	3.24 kW
COP Tj = 12°C	7.12	5.67
Pdh Tj = Tbiv	8.62 kW	6.38 kW
COP Tj = Tbiv	2.56	2.50
Pdh Tj = TOL	5.73 kW	2.58 kW
COP Tj = TOL	2.56	2.09
Rated airflow rate	0 m³/h	0 m³/h
Cdh	0.98	0.98
WTOL	60 °C	60 °C
Poff	27 W	27 W
РТО	63 W	63 W
PSB	27 W	27 W
РСК	35 W	35 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	14.24 kW	10.57 kW
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Annual energy consumption Qhe	10634 kWh	10109 kWh



Model: LWZ 8 CS Premium DHW

General Data		
Power supply	1x230V 50Hz	

Heating

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

EN 14511-2	
	Medium temperature
Heat output	3.84 kW
El input	1.44 kW
СОР	2.66
Indoor water flow rate	0.42 m³/h

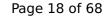
Average Climate



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EN 12102-1	
	Medium temperature
Sound power level indoor	52 dB(A)
Sound power level outdoor	50 dB(A)

EN 14825		
ium temperature		
%		
kW		
С		
kW		
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kW		
kW		
kW		





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2.26
2.67 kW
1.88
0 m³/h
0.98
60 °C
27 W
63 W
27 W
35 W
electricity
3.97 kW
4199 kWh

Warmer Climate

Colder Climate

Domestic Hot Water (DHW)

Average Climate



EN 16147		
Declared load profile	XL	
СОР	2.70	
Heating up time	02:06 h:min	
Standby power input	132.0 W	
Reference hot water temperature	57.0 °C	
Mixed water at 40°C	352 I	
Efficiency ηDHW	111 %	

Warmer Climate

EN 16147	
Declared load profile	1
Efficiency ηDHW	1 %
СОР	1.00
Heating up time	1 h:min
Standby power input	1 W
Reference hot water temperature	1.00 °C
Mixed water at 40°C	11

Colder Climate





EN 16147	
Declared load profile	1
Efficiency ηDHW	1 %
СОР	1.00
Heating up time	1 h:min
Standby power input	1 W
Reference hot water temperature	1.00 °C
Mixed water at 40°C	11

Model: LWZ 5 S Plus

General Data	
Power supply 1x230V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	4.40 kW	3.84 kW
El input	0.93 kW	1.44 kW
СОР	4.74	2.66
Indoor water flow rate	0.77 m³/h	0.42 m³/h

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

Average Climate



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EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	52 dB(A)	52 dB(A)
Sound power level outdoor	52 dB(A)	52 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	154 %	121 %
Prated	6.00 kW	6.00 kW
SCOP	3.92	3.11
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.48 kW	5.54 kW
COP Tj = -7°C	2.93	2.26
Pdh Tj = +2°C	3.28 kW	3.41 kW
COP Tj = +2°C	4.18	3.27
Pdh Tj = +7°C	2.86 kW	2.71 kW
COP Tj = +7°C	5.43	4.09
Pdh Tj = 12°C	3.34 kW	3.19 kW
COP Tj = 12°C	6.96	5.29
Pdh Tj = Tbiv	5.48 kW	5.54 kW





COP Tj = Tbiv	2.93	2.26
Pdh Tj = TOL	5.48 kW	2.67 kW
COP Tj = TOL	2.82	1.88
Cdh	0.98	0.98
WTOL	60 °C	60 °C
Poff	27 W	27 W
РТО	63 W	63 W
PSB	27 W	27 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.75 kW	3.55 kW
Annual energy consumption Qhe	3280 kWh	4138 kWh

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	52 dB(A)	52 dB(A)
Sound power level outdoor	52 dB(A)	52 dB(A)

EN 14825		
	Low temperature	Medium temperature





This information was generated by the HP KEYMARK database on 17 Dec 2020			
η_{S}	178 %	134 %	
Prated	7.00 kW	7.00 kW	
SCOP	4.53	3.42	
Tbiv	2 °C	2 °C	
TOL	2 °C	2 °C	
Pdh Tj = +2°C	6.70 kW	6.89 kW	
COP Tj = +2°C	3.38	2.50	
Pdh Tj = $+7^{\circ}$ C	4.31 kW	4.47 kW	
$COPTj = +7^{\circ}C$	4.81	3.28	
Pdh Tj = 12°C	3.32 kW	3.16 kW	
COP Tj = 12°C	6.73	4.98	
Pdh Tj = Tbiv	6.70 kW	6.68 kW	
COP Tj = Tbiv	3.38	2.50	
Pdh Tj = TOL	6.70 kW	6.89 kW	
COP Tj = TOL	3.38	2.50	
Cdh	0.98	0.98	
WTOL	60 °C	60 °C	
Poff	27 W	27 W	
РТО	63 W	63 W	
PSB	27 W	27 W	
РСК	35 W	35 W	





This information was generated by the HP KEYMARK database on 17 Dec 2020		

Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1977 kWh	2694 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	52 dB(A)	52 dB(A)
Sound power level outdoor	52 dB(A)	52 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	135 %	101 %
Prated	9.00 kW	9.00 kW
SCOP	3.45	2.60
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-13 °C
Pdh Tj = -7°C	5.57 kW	5.31 kW
COP Tj = -7°C	3.14	2.52
Pdh Tj = +2°C	3.45 kW	3.28 kW
COP Tj = +2°C	4.51	3.50



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Pdh Tj = +7°C	2.89 kW	2.78 kW
$COP Tj = +7^{\circ}C$	5.78	4.56
Pdh Tj = 12°C	3.34 kW	3.23 kW
COP Tj = 12°C	6.96	5.59
Pdh Tj = Tbiv	5.57 kW	5.31 kW
COP Tj = Tbiv	3.14	2.52
Pdh Tj = TOL	4.36 kW	2.58 kW
COP Tj = TOL	2.55	2.09
Cdh	0.98	0.98
WTOL	60 °C	60 °C
Poff	27 W	27 W
РТО	63 W	63 W
PSB	27 W	27 W
РСК	35 W	35 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	9.52 kW	8.76 kW
Annual energy consumption Qhe	6605 kWh	8311 kWh



Model: LWZ 5 S Smart

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	4.40 kW	3.84 kW
El input	0.93 kW	1.44 kW
СОР	4.74	2.66
Indoor water flow rate	0.77 m³/h	0.42 m³/h

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

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	52 dB(A)	52 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	154 %	121 %
Prated	6.00 kW	6.00 kW
SCOP	3.92	3.11
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.48 kW	5.54 kW
COP Tj = -7°C	2.93	2.26
Pdh Tj = +2°C	3.28 kW	3.41 kW
COP Tj = +2°C	2.93	2.26
Pdh Tj = +7°C	2.86 kW	2.71 kW
COP Tj = +7°C	5.43	4.09
Pdh Tj = 12°C	3.34 kW	3.19 kW
COP Tj = 12°C	6.96	5.26
Pdh Tj = Tbiv	5.48 kW	5.54 kW
COP Tj = Tbiv	2.93	2.26





Pdh Tj = TOL	5.47 kW	2.67 kW
COP Tj = TOL	2.82	1.88
Cdh	0.98	0.98
WTOL	60 °C	60 °C
Poff	27 W	27 W
РТО	63 W	63 W
PSB	27 W	27 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.75 kW	3.55 kW
Annual energy consumption Qhe	3280 kWh	4138 kWh

Warmer Climate

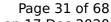
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	52 dB(A)	52 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	178 %	134 %
Prated	7.00 kW	7.00 kW





This information was generated by the HP KEYMARK database on 17 Dec 2020			
SCOP	4.53	3.42	
Tbiv	2 °C	2 °C	
TOL	2 °C	2 °C	
Pdh Tj = +2°C	6.70 kW	6.89 kW	
COP Tj = +2°C	3.38	2.50	
Pdh Tj = +7°C	4.31 kW	4.47 kW	
$COP Tj = +7^{\circ}C$	4.81	3.28	
Pdh Tj = 12°C	3.32 kW	3.16 kW	
COP Tj = 12°C	6.73	4.98	
Pdh Tj = Tbiv	6.70 kW	6.89 kW	
COP Tj = Tbiv	3.38	2.50	
Pdh Tj = TOL	6.70 kW	6.89 kW	
COP Tj = TOL	3.38	2.50	
Cdh	0.98	0.98	
WTOL	60 °C	60 °C	
Poff	27 W	27 W	
РТО	63 W	63 W	
PSB	27 W	27 W	
PCK	35 W	35 W	
Supplementary Heater: Type of energy input	electricity	electricity	
Supplementary Heater: PSUP	0.00 kW	0.00 kW	
	1		





Annual energy consumption Obe	1077 kWh	2604 IAMb
Annual energy consumption Qhe	1977 kWh	2694 kWh

Colder Climate

EN 12102-1			
Low temperature Medium temperature			
Sound power level indoor	52 dB(A)	52 dB(A)	

EN 14825		
	Low temperature	Medium temperature
η_{s}	135 %	101 %
Prated	9.00 kW	9.00 kW
SCOP	3.45	2.60
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	5.57 kW	5.31 kW
COP Tj = -7°C	3.14	2.52
Pdh Tj = +2°C	4.51 kW	3.50 kW
COP Tj = +2°C	4.51	3.50
Pdh Tj = +7°C	2.89 kW	2.78 kW
COP Tj = +7°C	5.78	4.56
Pdh Tj = 12°C	3.34 kW	3.23 kW



	<u> </u>	
COP Tj = 12°C	6.96	5.59
Pdh Tj = Tbiv	5.57 kW	5.31 kW
COP Tj = Tbiv	2.55	2.09
Pdh Tj = TOL	4.36 kW	2.58 kW
COP Tj = TOL	2.55	2.09
Cdh	0.98	0.98
WTOL	60 °C	60 °C
Poff	27 W	27 W
PTO	63 W	63 W
PSB	27 W	27 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	9.25 kW	8.76 kW
Annual energy consumption Qhe	6605 kWh	8311 kWh



Model: LWZ 5 S Trend

General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	4.40 kW	3.84 kW	
El input	0.93 kW	1.44 kW	
СОР	4.74	2.66	
Indoor water flow rate	0.77 m³/h	0.42 m³/h	

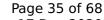
EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	

Average Climate



EN 12102-1		
Low temperature Medium temperature		
Sound power level indoor	52 dB(A)	52 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	154 %	121 %
Prated	6.00 kW	6.00 kW
SCOP	3.92	3.11
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.48 kW	5.54 kW
COP Tj = -7°C	2.93	2.26
Pdh Tj = +2°C	3.28 kW	3.41 kW
COP Tj = +2°C	4.18	3.27
Pdh Tj = +7°C	2.86 kW	2.71 kW
COP Tj = +7°C	5.43	4.09
Pdh Tj = 12°C	3.34 kW	3.19 kW
COP Tj = 12°C	6.96	5.26
Pdh Tj = Tbiv	5.48 kW	5.54 kW
COP Tj = Tbiv	2.93	2.26



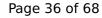


Pdh Tj = TOL	5.47 kW	2.67 kW
COP Tj = TOL	2.82	1.88
Cdh	0.98	0.98
WTOL	60 °C	60 °C
Poff	27 W	27 W
РТО	63 W	63 W
PSB	27 W	27 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.75 kW	3.55 kW
Annual energy consumption Qhe	3280 kWh	4138 kWh

Warmer Climate

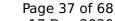
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	52 dB(A)	52 dB(A)

EN 14825			
	Low temperature	Medium temperature	
η_{s}	178 %	134 %	
Prated	7.00 kW	7.00 kW	





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SCOP	4.53	3.42
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	6.70 kW	6.89 kW
COP Tj = +2°C	3.38	2.50
Pdh Tj = +7°C	4.31 kW	4.47 kW
$COP Tj = +7^{\circ}C$	4.81	3.28
Pdh Tj = 12°C	3.32 kW	3.16 kW
COP Tj = 12°C	6.73	4.98
Pdh Tj = Tbiv	6.70 kW	6.89 kW
COP Tj = Tbiv	3.38	2.50
Pdh Tj = TOL	6.70 kW	6.89 kW
COP Tj = TOL	3.38	2.50
Cdh	0.98	0.98
WTOL	60 °C	60 °C
Poff	27 W	27 W
РТО	63 W	63 W
PSB	27 W	27 W
РСК	35 W	35 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
	l	





Annual energy consumption Qhe	1977 kWh	2694 kWh	

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	52 dB(A)	52 dB(A)

Low temperature	Medium temperature
135 %	101 %
9.00 kW	9.00 kW
3.45	2.60
-7 °C	-7 °C
-20 °C	-13 °C
5.57 kW	5.31 kW
3.14	2.52
3.45 kW	3.28 kW
4.51	3.50
2.89 kW	2.78 kW
5.78	4.56
3.34 kW	3.23 kW
	-7 °C -20 °C 5.57 kW 3.14 3.45 kW 4.51 2.89 kW 5.78



COP Tj = 12°C	6.96	5.59
Pdh Tj = Tbiv	5.57 kW	5.31 kW
COP Tj = Tbiv	3.14	2.52
Pdh Tj = TOL	4.36 kW	2.58 kW
COP Tj = TOL	2.55	2.09
Cdh	0.98	0.98
WTOL	60 °C	60 °C
Poff	27 W	27 W
РТО	63 W	63 W
PSB	27 W	27 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	9.25 kW	8.76 kW
Annual energy consumption Qhe	6605 kWh	8311 kWh



Model: LWZ 5 CS Premium

Gener	al Data
Power supply	1x230V 50Hz

Heating

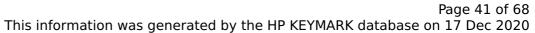
EN 14511-2		
	Low temperature	Medium temperature
Heat output	4.40 kW	3.84 kW
El input	0.93 kW	1.44 kW
СОР	4.74	2.66
Indoor water flow rate	0.77 m³/h	0.42 m³/h

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



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	52 dB(A)	52 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	165 %	129 %
Prated	6.00 kW	6.00 kW
SCOP	4.21	3.29
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.48 kW	5.54 kW
COP Tj = -7°C	2.93	2.26
Pdh Tj = +2°C	3.28 kW	3.41 kW
COP Tj = +2°C	4.18	3.27
Pdh Tj = +7°C	2.86 kW	2.71 kW
COP Tj = +7°C	5.43	4.09
Pdh Tj = 12°C	3.34 kW	3.19 kW
COP Tj = 12°C	6.96	5.26
Pdh Tj = Tbiv	5.48 kW	5.54 kW
COP Tj = Tbiv	2.93	2.26





Pdh Tj = TOL	5.47 kW	2.67 kW
COP Tj = TOL	2.82	1.88
Cdh	0.98	0.98
WTOL	60 °C	60 °C
Poff	27 W	27 W
РТО	63 W	63 W
PSB	27 W	27 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.75 kW	3.55 kW
Annual energy consumption Qhe	3052 kWh	3910 kWh

Warmer Climate

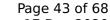
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	52 dB(A)	52 dB(A)

EN 14825		
Low temperature	Medium temperature	
207 %	149 %	
7.00 kW	7.00 kW	
	Low temperature 207 %	





This information was generated by the HP RETMARK database on 17 Dec 2020			
SCOP	5.25	3.80	
Tbiv	2 °C	2 °C	
TOL	2 °C	2 °C	
Pdh Tj = +2°C	6.70 kW	6.89 kW	
COP Tj = +2°C	3.38	2.50	
Pdh Tj = +7°C	4.31 kW	4.47 kW	
$COPTj = +7^{\circ}C$	4.81	3.28	
Pdh Tj = 12°C	3.32 kW	3.16 kW	
COP Tj = 12°C	6.73	4.98	
Pdh Tj = Tbiv	6.70 kW	6.89 kW	
COP Tj = Tbiv	3.38	2.50	
Pdh Tj = TOL	6.70 kW	6.89 kW	
COP Tj = TOL	3.38	2.50	
Cdh	0.98	0.98	
WTOL	60 °C	60 °C	
Poff	27 W	27 W	
РТО	63 W	63 W	
PSB	27 W	27 W	
PCK	35 W	35 W	
Supplementary Heater: Type of energy input	electricity	electricity	
Supplementary Heater: PSUP	0.00 kW	0.00 kW	
	1		





Annual energy consumption Qhe	1704 kWh	2420 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	52 dB(A)	52 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	138 %	103 %
Prated	9.00 kW	9.00 kW
SCOP	3.53	2.64
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-13 °C
Pdh Tj = -7°C	5.57 kW	5.31 kW
COP Tj = -7°C	3.14	2.52
Pdh Tj = +2°C	3.45 kW	3.28 kW
$COP Tj = +2^{\circ}C$	4.51	3.50
Pdh Tj = +7°C	2.89 kW	2.78 kW
COP Tj = +7°C	5.78	4.56
Pdh Tj = 12°C	3.34 kW	3.23 kW



COP Tj = 12°C	6.96	5.59
Pdh Tj = Tbiv	5.57 kW	5.31 kW
COP Tj = Tbiv	3.14	2.52
Pdh Tj = TOL	4.36 kW	2.58 kW
COP Tj = TOL	2.55	2.09
Cdh	0.98	0.98
WTOL	60 °C	60 °C
Poff	27 W	27 W
РТО	63 W	63 W
PSB	27 W	27 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	9.25 kW	8.76 kW
Annual energy consumption Qhe	6468 kWh	8174 kWh



Model: LWZ 5 CS Premium DHW

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Medium temperature	
Heat output	3.84 kW	
El input	1.44 kW	
СОР	2.66	
Indoor water flow rate	0.42 m³/h	

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



EN 12102-1	
	Medium temperature
Sound power level indoor	52 dB(A)

EN 14825	
	Medium temperature
η_{s}	121 %
Prated	6.00 kW
SCOP	3.11
Tbiv	-7 °C
TOL	-10 °C
Pdh Tj = -7°C	5.54 kW
COP Tj = -7°C	2.26
Pdh Tj = +2°C	3.41 kW
COP Tj = +2°C	3.27
Pdh Tj = +7°C	2.71 kW
COP Tj = +7°C	4.09
Pdh Tj = 12°C	3.19 kW
COP Tj = 12°C	5.29
Pdh Tj = Tbiv	5.54 kW
COP Tj = Tbiv	2.26





Pdh Tj = TOL	2.67 kW
COP Tj = TOL	1.88
Cdh	0.98
WTOL	60 °C
Poff	27 W
PTO	63 W
PSB	27 W
PCK	35 W
Supplementary Heater: Type of energy input	electricity
Supplementary Heater: PSUP	3.55 kW
Annual energy consumption Qhe	4138 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	XL	
СОР	2.70	
Heating up time	02:06 h:min	
Standby power input	132.0 W	
Reference hot water temperature	57.0 °C	
Mixed water at 40°C	352 I	
Efficiency ηDHW	111 %	

Model: LWZ 504 E

General Data	
Power supply	1x230V 50Hz

Heating

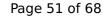
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2		
	Low temperature	Medium temperature
Heat output	4.40 kW	3.84 kW
El input	0.93 kW	1.44 kW
СОР	4.74	2.66
Indoor water flow rate	0.77 m³/h	0.42 m³/h



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	52 dB(A)	52 dB(A)
Sound power level outdoor	55 dB(A)	50 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	163 %	128 %
Prated	10.00 kW	7.00 kW
SCOP	4.14	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.42 kW	5.87 kW
COP Tj = -7°C	2.76	2.26
Pdh Tj = +2°C	5.12 kW	3.52 kW
COP Tj = +2°C	3.94	3.27
Pdh Tj = +7°C	3.26 kW	2.72 kW
COP Tj = +7°C	5.53	4.14
Pdh Tj = 12°C	3.35 kW	3.20 kW
COP Tj = 12°C	7.09	5.29
Pdh Tj = Tbiv	8.42 kW	5.87 kW



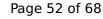


COD Ti This	2.76	2.26
COP Tj = Tbiv	2.76	2.26
Pdh Tj = TOL	8.37 kW	2.67 kW
COP Tj = TOL	2.69	1.88
Rated airflow rate	0 m³/h	0 m³/h
Cdh	0.98	0.98
WTOL	60 °C	60 °C
Poff	27 W	27 W
РТО	63 W	63 W
PSB	27 W	27 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	1.15 kW	3.97 kW
Annual energy consumption Qhe	4755 kWh	4199 kWh

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	52 dB(A)	52 dB(A)
Sound power level outdoor	55 dB(A)	50 dB(A)

EN 1	4825	
	Low temperature	Medium temperature





η_{s}	207 %	150 %
Prated	9.00 kW	8.00 kW
SCOP	5.24	3.82
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = -7°C	0.00 kW	0.00 kW
COP Tj = -7°C	0.00	0.00
Pdh Tj = +2°C	8.81 kW	8.32 kW
COP Tj = +2°C	3.18	2.34
Pdh Tj = +7°C	5.77 kW	5.41 kW
COP Tj = +7°C	4.57	3.26
Pdh Tj = 12°C	3.34 kW	3.17 kW
COP Tj = 12°C	6.89	5.11
Pdh Tj = Tbiv	8.81 kW	8.32 kW
COP Tj = Tbiv	3.18	2.34
Pdh Tj = TOL	8.81 kW	8.32 kW
COP Tj = TOL	3.18	2.34
Rated airflow rate	0 m³/h	0 m³/h
Cdh	0.98	0.98
WTOL	60 °C	60 °C





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Poff	27 W	27 W
РТО	63 W	63 W
PSB	27 W	27 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW

2243 kWh

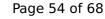
2911 kWh

Colder Climate

Annual energy consumption Qhe

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	52 dB(A)	52 dB(A)
Sound power level outdoor	55 dB(A)	50 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	131 %	102 %
Prated	14.00 kW	11.00 kW
SCOP	3.34	2.62
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-13 °C





This information was	generated by the fir KLTN	IANK database on 17 Dec 2020
Pdh Tj = -7 °C	8.62 kW	6.38 kW
COP Tj = -7°C	2.96	2.50
Pdh Tj = +2°C	5.28 kW	3.92 kW
COP Tj = +2°C	4.20	3.48
Pdh Tj = $+7^{\circ}$ C	3.42 kW	2.79 kW
$COPTj = +7^{\circ}C$	5.87	4.68
Pdh Tj = 12°C	3.35 kW	3.24 kW
COP Tj = 12°C	7.12	5.67
Pdh Tj = Tbiv	8.62 kW	6.38 kW
COP Tj = Tbiv	2.56	2.50
Pdh Tj = TOL	5.73 kW	2.58 kW
COP Tj = TOL	2.56	6.38
Rated airflow rate	0 m³/h	0 m³/h
Cdh	0.98	0.98
WTOL	60 °C	60 °C
Poff	27 W	27 W
РТО	63 W	63 W
PSB	27 W	27 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	14.24 kW	10.57 kW
		-



Annual energy consumption Qhe	10498 kWh	9932 kWh
Aumadi energy consumption Que	10 130 KW	3332 KVIII



Model: LWZ 504 E DHW

General Data	
Power supply	1x230V 50Hz

Heating

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

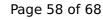
EN 14511-2	
	Medium temperature
Heat output	3.84 kW
El input	1.44 kW
СОР	2.66
Indoor water flow rate	0.42 m³/h



 $$\operatorname{\textit{Page}}\xspace$ 57 of 68 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 12102-1	
	Medium temperature
Sound power level indoor	52 dB(A)
Sound power level outdoor	50 dB(A)

EN 14825	
ium temperature	
%	
kW	
С	
kW	





COP Tj = Tbiv	2.26
Pdh Tj = TOL	2.67 kW
COP Tj = TOL	1.88
Rated airflow rate	0 m³/h
Cdh	0.98
WTOL	60 °C
Poff	27 W
РТО	63 W
PSB	27 W
PCK	35 W
Supplementary Heater: Type of energy input	electricity
Supplementary Heater: PSUP	3.97 kW
Annual energy consumption Qhe	4199 kWh

Warmer Climate

Colder Climate

Domestic Hot Water (DHW)



EN 16147	
Declared load profile	XL
СОР	2.70
Heating up time	02:06 h:min
Standby power input	132.0 W
Reference hot water temperature	57.0 °C
Mixed water at 40°C	352 l
Efficiency ηDHW	111 %

Warmer Climate

EN 16147	
Declared load profile	1
Efficiency ηDHW	1 %
СОР	1.00
Heating up time	1 h:min
Standby power input	1 W
Reference hot water temperature	1.00 °C
Mixed water at 40°C	11

Colder Climate





EN 16147	
Declared load profile	1
Efficiency ηDHW	1 %
СОР	1.00
Heating up time	1 h:min
Standby power input	1 W
Reference hot water temperature	1.00 °C
Mixed water at 40°C	11



Model: LWZ 5 S smart DHW

General Data	
Power supply	1x230V 50Hz

Heating

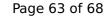
EN 14511-2	
	Medium temperature
Heat output	3.84 kW
El input	1.44 kW
СОР	2.66
Indoor water flow rate	0.42 m³/h

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



EN 12102-1	
	Medium temperature
Sound power level indoor	52 dB(A)

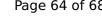
	EN 14825
	Medium temperature
η_{s}	121 %
Prated	6.00 kW
SCOP	3.11
Tbiv	-7 °C
TOL	-10 °C
Pdh Tj = -7°C	5.54 kW
COP Tj = -7°C	2.26
Pdh Tj = +2°C	3.41 kW
COP Tj = +2°C	3.27
Pdh Tj = +7°C	2.71 kW
COP Tj = +7°C	4.09
Pdh Tj = 12°C	3.19 kW
COP Tj = 12°C	5.29
Pdh Tj = Tbiv	5.54 kW
COP Tj = Tbiv	2.26





Pdh Tj = TOL	2.67 kW
COP Tj = TOL	1.88
Cdh	0.98
WTOL	60 °C
Poff	27 W
РТО	63 W
PSB	27 W
PCK	35 W
Supplementary Heater: Type of energy input	electricity
Supplementary Heater: PSUP	3.55 kW
Annual energy consumption Qhe	4138 kWh

Domestic Hot Water (DHW)





 $$\operatorname{\textit{Page}}\xspace$ 64 of 68 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 16147		
Declared load profile	XL	
СОР	2.70	
Heating up time	02:06 h:min	
Standby power input	132.0 W	
Reference hot water temperature	57.0 °C	
Mixed water at 40°C	352 I	
Efficiency ηDHW	111 %	



Model: LWZ 5 S Plus DHW

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2	
	Medium temperature
Heat output	3.84 kW
El input	1.44 kW
СОР	2.66
Indoor water flow rate	0.42 m³/h

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



EN 12102-1	
	Medium temperature
Sound power level indoor	52 dB(A)

EN 14825	
Medium temperature	
121 %	
6.00 kW	
3.11	
-7 °C	
-10 °C	
5.54 kW	
2.26	
3.41 kW	
3.27	
2.71 kW	
4.09	
3.19 kW	
5.29	
5.54 kW	
2.26	



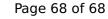


This information was generated by the first tarta actuals on 17 Dec 202		
Pdh Tj = TOL	2.67 kW	
COP Tj = TOL	1.88	
Cdh	0.98	
WTOL	60 °C	
Poff	27 W	
РТО	63 W	
PSB	27 W	
PCK	35 W	
Supplementary Heater: Type of energy input	electricity	
Supplementary Heater: PSUP	3.55 kW	

4138 kWh

Domestic Hot Water (DHW)

Annual energy consumption Qhe





EN 16147	
Declared load profile	XL
СОР	2.70
Heating up time	02:06 h:min
Standby power input	132.0 W
Reference hot water temperature	57.0 °C
Mixed water at 40°C	352 I
Efficiency ηDHW	111 %