

Subtype LWZ 5/8

Certificate Holder	STIEBEL ELTRON GmbH & Co KG
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Country	DE
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Subtype title	LWZ 5/8
Registration number	011-1W0037
Heat Pump Type	Outdoor Air/Water
Refrigerant	R410A
Mass of Refrigerant	2.95 kg
Certification Date	31.10.2016
Testing basis	HP KEYMARK certification scheme rules V14

Model LWZ 8 CS Premium

Model name	LWZ 8 CS Premium
Application	Heating (medium temp)
Units	Indoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	1x230V 50Hz
Off-peak product	No

Outdoor Air/Water

EN 14511-4 | Heating

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

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	4.40 kW	3.84 kW
El input	0.93 kW	1.44 kW
COP	4.74	2.66

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	50 dB(A)	50 dB(A)
Sound power level outdoor	55 dB(A)	50 dB(A)

EN 14825 | Average Climate

	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
Cdh Tj = -7 °C		
Pdh Tj = +2°C	5.12 kW	3.52 kW
COP Tj = +2°C	3.94	3.27
Cdh Tj = +2 °C		
Pdh Tj = +7°C	3.26 kW	2.72 kW

COP Tj = +7°C	5.53	4.14
Cdh Tj = +7 °C		
Pdh Tj = 12°C	3.35 kW	3.20 kW
COP Tj = 12°C	7.09	5.29
Cdh Tj = +12 °C		
Pdh Tj = Tbiv	8.42 kW	5.87 kW
COP Tj = Tbiv	2.76	2.26
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.37 kW	2.67 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.69	1.88
Rated airflow rate	0 m³/h	0 m³/h
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.980	0.980
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	1.63 kW	4.33 kW
Annual energy consumption Qhe	4755 kWh	4199 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level indoor	50 dB(A)	50 dB(A)
Sound power level outdoor	55 dB(A)	50 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	131 %	102 %
Prated	14.00 kW	11.00 kW
SCOP	3.34	2.62
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-13 °C
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°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 or Pdh Tj = Tdesignh if TOL < Tdesignh	5.73 kW	2.58 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.56	6.38
Rated airflow rate	0 m³/h	0 m³/h
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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	14.24 kW	10.57 kW
Annual energy consumption Qhe	10498 kWh	9932 kWh

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	50 dB(A)	50 dB(A)
Sound power level outdoor	55 dB(A)	50 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	8.81 kW	8.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.18	2.34
Rated airflow rate	0 m³/h	0 m³/h
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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

Model LWZ 8 S Trend

Model name	LWZ 8 S Trend
Application	Heating (medium temp)
Units	Indoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	1x230V 50Hz
Off-peak product	No

Outdoor Air/Water

EN 14511-4 | Heating

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

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	4.40 kW	3.84 kW
El input	0.93 kW	1.44 kW
COP	4.74	2.66

EN 12102-1 | Average Climate

	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 | Average Climate

	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
Cdh Tj = -7 °C		
Pdh Tj = +2°C	5.12 kW	3.52 kW
COP Tj = +2°C	3.94	3.27
Cdh Tj = +2 °C		
Pdh Tj = +7°C	3.26 kW	2.72 kW

COP Tj = +7°C	5.53	4.14
Cdh Tj = +7 °C		
Pdh Tj = 12°C	3.35 kW	3.20 kW
COP Tj = 12°C	7.09	5.29
Cdh Tj = +12 °C		
Pdh Tj = Tbiv	8.42 kW	5.87 kW
COP Tj = Tbiv	2.76	2.26
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.37 kW	2.67 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.69	1.88
Rated airflow rate	0 m³/h	0 m³/h
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.980	0.980
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	1.63 kW	4.33 kW
Annual energy consumption Qhe	4982 kWh	4427 kWh

EN 12102-1 | Colder Climate

	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 | Colder Climate

	Low temperature	Medium temperature
ηs	129 %	100 %
Prated	14.00 kW	11.00 kW
SCOP	3.30	2.58
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-13 °C
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°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 or Pdh Tj = Tdesignh if TOL < Tdesignh	5.73 kW	2.58 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.56	2.09
Rated airflow rate	0 m³/h	0 m³/h
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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	14.24 kW	10.57 kW
Annual energy consumption Qhe	10634 kWh	10109 kWh

EN 12102-1 | Warmer Climate

	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 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	184 %	133 %
Prated	9.00 kW	8.00 kW
SCOP	4.67	3.41
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
Cdh Tj = +2 °C		
Pdh Tj = +7°C	5.77 kW	5.41 kW
COP Tj = +7°C	4.57	3.26
Cdh Tj = +7 °C		
Pdh Tj = 12°C	3.34 kW	3.17 kW
COP Tj = 12°C	6.89	5.11
Cdh Tj = +12 °C		
Pdh Tj = Tbiv	8.81 kW	8.32 kW
COP Tj = Tbiv	3.18	2.34
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.81 kW	8.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.18	2.34
Rated airflow rate	0 m³/h	0 m³/h

Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.980	0.980
WTOL	60 °C	60 °C
Poff	24 W	24 W
PTO	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

Model LWZ 8 CS Premium DHW

Model name	LWZ 8 CS Premium DHW
Application	Heating + DHW
Units	Indoor
Climate zone (for heating)	n/a
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	1x230V 50Hz
Off-peak product	No

Outdoor Air/Water

EN 16147 | Average Climate

Declared load profile	XL
Efficiency η_{DHW}	111 %
COP	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

EN 16147 | Colder Climate

Declared load profile	1
Efficiency η_{DHW}	1 %
COP	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	1 l

EN 16147 | Warmer Climate

Declared load profile	1
Efficiency η_{DHW}	1 %
COP	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	1 l

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
Defrost test	passed

Starting and operating test passed

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	3.84 kW	
El input	1.44 kW	
COP	2.66	

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	50 dB(A)	
Sound power level outdoor	50 dB(A)	

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	128 %	
Prated	7.00 kW	
SCOP	3.27	
Tbiv	-7 °C	
TOL	-10 °C	
Pdh Tj = -7°C	5.87 kW	
COP Tj = -7°C	2.26	
Cdh Tj = -7 °C		
Pdh Tj = +2°C	3.52 kW	
COP Tj = +2°C	3.27	
Cdh Tj = +2 °C		
Pdh Tj = +7°C	2.72 kW	
COP Tj = +7°C	4.14	
Cdh Tj = +7 °C		
Pdh Tj = 12°C	3.20 kW	
COP Tj = 12°C	5.29	
Cdh Tj = +12 °C		
Pdh Tj = Tbiv	5.87 kW	
COP Tj = Tbiv	2.26	
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.67 kW	
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.88	
Rated airflow rate	0 m³/h	
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.980	
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	4.33 kW
Annual energy consumption Q _{he}	4199 kWh

Model LWZ 5 S Plus		
Model name	LWZ 5 S Plus	
Application	Heating (medium temp)	
Units	Indoor	
Climate zone (for heating)	Warmer Climate, Colder Climate	
Cooling mode application (optional)	n/a	
Any additional heat sources	n/a	
General data		
Power supply	1x230V 50Hz	
Off-peak product	n/a	
Outdoor Air/Water		
EN 14511-4 Heating		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	
EN 14511-2 Heating		
	Low temperature	Medium temperature
Heat output	4.40 kW	3.84 kW
El input	0.93 kW	1.44 kW
COP	4.74	2.66
EN 12102-1 Average Climate		
	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 Average Climate		
	Low temperature	Medium temperature
ηs	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
Cdh Tj = -7 °C		
Pdh Tj = +2°C	3.28 kW	3.41 kW
COP Tj = +2°C	4.18	3.27
Cdh Tj = +2 °C		
Pdh Tj = +7°C	2.86 kW	2.71 kW

COP Tj = +7°C	5.43	4.09
Cdh Tj = +7 °C		
Pdh Tj = 12°C	3.34 kW	3.19 kW
COP Tj = 12°C	6.96	5.29
Cdh Tj = +12 °C		
Pdh Tj = Tbiv	5.48 kW	5.54 kW
COP Tj = Tbiv	2.93	2.26
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.48 kW	2.67 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.82	1.88
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.980	0.980
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	0.52 kW	3.55 kW
Annual energy consumption Qhe	3280 kWh	4138 kWh

EN 12102-1 | Colder Climate

	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 | Colder Climate

	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
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 or Pdh Tj = Tdesignh if TOL < Tdesignh	4.36 kW	2.58 kW

COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.55	2.09
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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	9.52 kW	8.76 kW
Annual energy consumption Qhe	6605 kWh	8311 kWh

EN 12102-1 | Warmer Climate

	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 | Warmer Climate

	Low temperature	Medium temperature
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°C	4.31 kW	4.47 kW
COP Tj = +7°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 or Pdh Tj = Tdesignh if TOL < Tdesignh	6.70 kW	6.89 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.38	2.50
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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 Q _{he}	1977 kWh	2694 kWh

Model LWZ 5 S Smart

Model name	LWZ 5 S Smart
Application	Heating (medium temp)
Units	Indoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water

EN 14511-4 | Heating

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

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	4.40 kW	3.84 kW
El input	0.93 kW	1.44 kW
COP	4.74	2.66

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	52 dB(A)	52 dB(A)

EN 14825 | Average Climate

	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
Cdh Tj = -7 °C		
Pdh Tj = +2°C	3.28 kW	3.41 kW
COP Tj = +2°C	2.93	2.26
Cdh Tj = +2 °C		
Pdh Tj = +7°C	2.86 kW	2.71 kW
COP Tj = +7°C	5.43	4.09

Cdh Tj = +7 °C		
Pdh Tj = 12°C	3.34 kW	3.19 kW
COP Tj = 12°C	6.96	5.26
Cdh Tj = +12 °C		
Pdh Tj = Tbiv	5.48 kW	5.54 kW
COP Tj = Tbiv	2.93	2.26
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.47 kW	2.67 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.82	1.88
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.980	0.980
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	0.53 kW	3.55 kW
Annual energy consumption Qhe	3280 kWh	4138 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level indoor	52 dB(A)	52 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	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
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 or Pdh Tj = Tdesignh if TOL < Tdesignh	4.36 kW	2.58 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.55	2.09

Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	52 dB(A)	52 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
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°C	4.31 kW	4.47 kW
COP Tj = +7°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 or Pdh Tj = Tdesignh if TOL < Tdesignh	6.70 kW	6.89 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.38	2.50
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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	1977 kWh	2694 kWh

Model LWZ 5 S Trend

Model name	LWZ 5 S Trend
Application	Heating (medium temp)
Units	Indoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water

EN 14511-4 | Heating

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

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	4.40 kW	3.84 kW
El input	0.93 kW	1.44 kW
COP	4.74	2.66

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	52 dB(A)	52 dB(A)

EN 14825 | Average Climate

	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
Cdh Tj = -7 °C		
Pdh Tj = +2°C	3.28 kW	3.41 kW
COP Tj = +2°C	4.18	3.27
Cdh Tj = +2 °C		
Pdh Tj = +7°C	2.86 kW	2.71 kW
COP Tj = +7°C	5.43	4.09

Cdh Tj = +7 °C		
Pdh Tj = 12°C	3.34 kW	3.19 kW
COP Tj = 12°C	6.96	5.26
Cdh Tj = +12 °C		
Pdh Tj = Tbiv	5.48 kW	5.54 kW
COP Tj = Tbiv	2.93	2.26
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.47 kW	2.67 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.82	1.88
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.980	0.980
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	0.53 kW	3.55 kW
Annual energy consumption Qhe	3280 kWh	4138 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level indoor	52 dB(A)	52 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	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
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 or Pdh Tj = Tdesignh if TOL < Tdesignh	4.36 kW	2.58 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.55	2.09

Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	52 dB(A)	52 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
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°C	4.31 kW	4.47 kW
COP Tj = +7°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 or Pdh Tj = Tdesignh if TOL < Tdesignh	6.70 kW	6.89 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.38	2.50
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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	1977 kWh	2694 kWh

Model LWZ 5 CS Premium

Model name	LWZ 5 CS Premium
Application	Heating (medium temp)
Units	Indoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water

EN 14511-4 | Heating

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

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	4.40 kW	3.84 kW
El input	0.93 kW	1.44 kW
COP	4.74	2.66

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	50 dB(A)	50 dB(A)

EN 14825 | Average Climate

	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
Cdh Tj = -7 °C		
Pdh Tj = +2°C	3.28 kW	3.41 kW
COP Tj = +2°C	4.18	3.27
Cdh Tj = +2 °C		
Pdh Tj = +7°C	2.86 kW	2.71 kW
COP Tj = +7°C	5.43	4.09

Cdh Tj = +7 °C		
Pdh Tj = 12°C	3.34 kW	3.19 kW
COP Tj = 12°C	6.96	5.26
Cdh Tj = +12 °C		
Pdh Tj = Tbiv	5.48 kW	5.54 kW
COP Tj = Tbiv	2.93	2.26
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.47 kW	2.67 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.82	1.88
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.980	0.980
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	0.53 kW	3.55 kW
Annual energy consumption Qhe	3052 kWh	3910 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level indoor	50 dB(A)	50 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	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°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 or Pdh Tj = Tdesignh if TOL < Tdesignh	4.36 kW	2.58 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.55	2.09

Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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	6468 kWh	8174 kWh

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	50 dB(A)	50 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
η_s	207 %	149 %
Prated	7.00 kW	7.00 kW
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
COP Tj = +7°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 or Pdh Tj = Tdesignh if TOL < Tdesignh	6.70 kW	6.89 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.38	2.50
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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	1704 kWh	2420 kWh

Model LWZ 5 CS Premium DHW

Model name	LWZ 5 CS Premium DHW
Application	Heating + DHW
Units	Indoor
Climate zone (for heating)	n/a
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	1x230V 50Hz
Off-peak product	No

Outdoor Air/Water

EN 16147 | Average Climate

Declared load profile	XL
Efficiency η_{DHW}	111 %
COP	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

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	3.84 kW	
El input	1.44 kW	
COP	2.66	

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	52 dB(A)	

EN 14825 | Average Climate

	Low temperature	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	2.67 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.88
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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

Model LWZ 504 E		
Model name	LWZ 504 E	
Application	Heating (medium temp)	
Units	Indoor	
Climate zone (for heating)	Warmer Climate, Colder Climate	
Cooling mode application (optional)	n/a	
Any additional heat sources	n/a	
General data		
Power supply	1x230V 50Hz	
Off-peak product	No	
Outdoor Air/Water		
EN 14511-4 Heating		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	
EN 14511-2 Heating		
	Low temperature	Medium temperature
Heat output	4.40 kW	3.84 kW
El input	0.93 kW	1.44 kW
COP	4.74	2.66
EN 12102-1 Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	50 dB(A)	50 dB(A)
Sound power level outdoor	55 dB(A)	50 dB(A)
EN 14825 Average Climate		
	Low temperature	Medium temperature
ηs	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
Cdh Tj = -7 °C		
Pdh Tj = +2°C	5.12 kW	3.52 kW
COP Tj = +2°C	3.94	3.27
Cdh Tj = +2 °C		
Pdh Tj = +7°C	3.26 kW	2.72 kW

COP Tj = +7°C	5.53	4.14
Cdh Tj = +7 °C		
Pdh Tj = 12°C	3.35 kW	3.20 kW
COP Tj = 12°C	7.09	5.29
Cdh Tj = +12 °C		
Pdh Tj = Tbiv	8.42 kW	5.87 kW
COP Tj = Tbiv	2.76	2.26
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.37 kW	2.67 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.69	1.88
Rated airflow rate	0 m³/h	0 m³/h
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.980	0.980
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	1.63 kW	4.33 kW
Annual energy consumption Qhe	4755 kWh	4199 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level indoor	50 dB(A)	50 dB(A)
Sound power level outdoor	55 dB(A)	50 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	131 %	102 %
Prated	14.00 kW	11.00 kW
SCOP	3.34	2.62
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-13 °C
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°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 or Pdh Tj = Tdesignh if TOL < Tdesignh	5.73 kW	2.58 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.56	6.38
Rated airflow rate	0 m³/h	0 m³/h
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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	14.24 kW	10.57 kW
Annual energy consumption Qhe	10498 kWh	9932 kWh

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	50 dB(A)	50 dB(A)
Sound power level outdoor	55 dB(A)	50 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	8.81 kW	8.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.18	2.34
Rated airflow rate	0 m³/h	0 m³/h
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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

Model LWZ 504 E DHW

Model name	LWZ 504 E DHW
Application	Heating + DHW
Units	Indoor
Climate zone (for heating)	n/a
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	1x230V 50Hz
Off-peak product	No

Outdoor Air/Water

EN 16147 | Average Climate

Declared load profile	XL
Efficiency η_{DHW}	111 %
COP	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

EN 16147 | Colder Climate

Declared load profile	1
Efficiency η_{DHW}	1 %
COP	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	1 l

EN 16147 | Warmer Climate

Declared load profile	1
Efficiency η_{DHW}	1 %
COP	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	1 l

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
Defrost test	passed

Starting and operating test passed

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	3.84 kW	
El input	1.44 kW	
COP	2.66	

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	50 dB(A)	
Sound power level outdoor	50 dB(A)	

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	128 %	
Prated	7.00 kW	
SCOP	3.27	
Tbiv	-7 °C	
TOL	-10 °C	
Pdh Tj = -7°C	5.87 kW	
COP Tj = -7°C	2.26	
Cdh Tj = -7 °C		
Pdh Tj = +2°C	3.52 kW	
COP Tj = +2°C	3.27	
Cdh Tj = +2 °C		
Pdh Tj = +7°C	2.72 kW	
COP Tj = +7°C	4.14	
Cdh Tj = +7 °C		
Pdh Tj = 12°C	3.20 kW	
COP Tj = 12°C	5.29	
Cdh Tj = +12 °C		
Pdh Tj = Tbiv	5.87 kW	
COP Tj = Tbiv	2.26	
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.67 kW	
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.88	
Rated airflow rate	0 m³/h	
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.980	
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	4.33 kW
Annual energy consumption Q _{he}	4199 kWh

Model LWZ 5 S smart DHW		
Model name	LWZ 5 S smart DHW	
Application	Heating + DHW	
Units	Indoor	
Climate zone (for heating)	n/a	
Cooling mode application (optional)	n/a	
Any additional heat sources	n/a	
General data		
Power supply	1x230V 50Hz	
Off-peak product	No	
Outdoor Air/Water		
EN 16147 Average Climate		
Declared load profile	XL	
Efficiency η_{DHW}	111 %	
COP	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	
EN 14511-4 Heating		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	
EN 14511-2 Heating		
	Low temperature	Medium temperature
Heat output	3.84 kW	
El input	1.44 kW	
COP	2.66	
EN 12102-1 Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	52 dB(A)	
EN 14825 Average Climate		
	Low temperature	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	2.67 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.88
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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

Model LWZ 5 S Plus DHW

Model name	LWZ 5 S Plus DHW
Application	Heating + DHW
Units	Indoor
Climate zone (for heating)	n/a
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	1x230V 50Hz
Off-peak product	No

Outdoor Air/Water

EN 16147 | Average Climate

Declared load profile	XL
Efficiency η_{DHW}	111 %
COP	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

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	3.84 kW	
El input	1.44 kW	
COP	2.66	

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	52 dB(A)	

EN 14825 | Average Climate

	Low temperature	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	2.67 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.88
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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

Model LWZ 8 CS Trend

Model name	LWZ 8 CS Trend
Application	Heating (medium temp)
Units	Indoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	n/a
Off-peak product	n/a

Outdoor Air/Water

EN 14511-4 | Heating

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

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	4.40 kW	3.84 kW
El input	0.93 kW	1.44 kW
COP	4.74	2.66

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	50 dB(A)	50 dB(A)
Sound power level outdoor	55 dB(A)	50 dB(A)

EN 14825 | Average Climate

	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
Cdh Tj = -7 °C		
Pdh Tj = +2°C	5.12 kW	3.52 kW
COP Tj = +2°C	3.94	3.27
Cdh Tj = +2 °C		
Pdh Tj = +7°C	3.26 kW	2.72 kW

COP Tj = +7°C	5.53	4.14
Cdh Tj = +7 °C		
Pdh Tj = 12°C	3.35 kW	3.20 kW
COP Tj = 12°C	7.09	5.29
Cdh Tj = +12 °C		
Pdh Tj = Tbiv	8.42 kW	5.87 kW
COP Tj = Tbiv	2.76	2.26
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.37 kW	2.67 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.69	1.88
Rated airflow rate	0 m³/h	0 m³/h
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.980	0.980
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	1.63 kW	4.33 kW
Annual energy consumption Qhe	4755 kWh	4199 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level indoor	50 dB(A)	50 dB(A)
Sound power level outdoor	55 dB(A)	50 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	131 %	102 %
Prated	14.00 kW	11.00 kW
SCOP	3.34	2.62
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-13 °C
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°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 or Pdh Tj = Tdesignh if TOL < Tdesignh	5.73 kW	2.58 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.56	6.38
Rated airflow rate	0 m³/h	0 m³/h
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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	14.24 kW	10.57 kW
Annual energy consumption Qhe	10498 kWh	9932 kWh

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	50 dB(A)	50 dB(A)
Sound power level outdoor	55 dB(A)	50 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	8.81 kW	8.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.18	2.34
Rated airflow rate	0 m³/h	0 m³/h
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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