

Subtype WSB 6-A-RME

Certificate Holder	Max Weishaupt GmbH
Address	Max-Weishaupt-Str. 14
ZIP	88477
City	Schwendi
Country	DE
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Subtype title	WSB 6-A-RME
Registration number	011-1W0681
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1.2 kg
Certification Date	25.10.2023
Testing basis	European KEYMARK Scheme for Heat Pumps Rev. 12 (as of 2023-03)

Model WSB-6-A-RME-AI

Model name	WSB-6-A-RME-AI
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Reversibility	Yes
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	3.56 kW	5.10 kW
El input	0.71 kW	1.71 kW
COP	5.00	2.98

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	38 dB(A)	38 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	192 %	125 %
Prated	5.50 kW	5.00 kW
SCOP	4.87	3.20
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.94 kW	4.11 kW
COP Tj = -7°C	3.21	2.00
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	3.00 kW	2.62 kW
COP Tj = +2°C	4.79	3.12
Cdh Tj = +2 °C	1.000	1.000

Pdh Tj = +7°C	1.92 kW	4.51 kW
COP Tj = +7°C	5.99	4.44
Cdh Tj = +7 °C	1.000	0.990
Pdh Tj = 12°C	2.19 kW	1.80 kW
COP Tj = 12°C	8.30	4.98
Cdh Tj = +12 °C	0.990	0.980
Pdh Tj = Tbiv	4.94 kW	4.11 kW
COP Tj = Tbiv	3.21	2.00
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.44 kW	3.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.93	1.48
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
WTOL	60 °C	60 °C
Poff	12 W	11 W
PTO	4 W	4 W
PSB	14 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.06 kW	1.90 kW
Annual energy consumption Qhe	2331 kWh	3226 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level indoor	38 dB(A)	38 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	153 %	107 %
Prated	6.00 kW	6.00 kW
SCOP	3.85	2.75
Tbiv	-10 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	3.37 kW	3.50 kW
COP Tj = -7°C	3.50	2.41
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	2.20 kW	2.10 kW
COP Tj = +2°C	4.91	3.37
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	1.60 kW	1.40 kW
COP Tj = +7°C	5.72	3.91
Cdh Tj = +7 °C	0.900	1.000
Pdh Tj = 12°C	2.20 kW	1.90 kW
COP Tj = 12°C	7.79	6.48

Cdh Tj = +12 °C	0.900	0.950
Pdh Tj = Tbiv	4.60 kW	3.90 kW
COP Tj = Tbiv	3.20	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.94 kW	2.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.09	1.35
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
WTOL	60 °C	60 °C
Poff	12 W	12 W
PTO	4 W	4 W
PSB	14 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	6.00 kW	6.00 kW
Annual energy consumption Qhe	3795 kWh	4937 kWh
Pdh Tj = -15°C (if TOL)		
COP Tj = -15°C (if TOL)		
Cdh Tj = -15 °C		

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	38 dB(A)	38 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	235 %	152 %
Prated	5.00 kW	5.00 kW
SCOP	6.02	3.87
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.92 kW	4.78 kW
COP Tj = +2°C	3.57	2.23
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	3.51 kW	3.24 kW
COP Tj = +7°C	5.69	3.31
Cdh Tj = +7 °C	1.000	1.000
Pdh Tj = 12°C	2.15 kW	1.82 kW
COP Tj = 12°C	7.79	4.98
Cdh Tj = +12 °C	0.900	0.950
Pdh Tj = Tbiv	4.92 kW	4.78 kW
COP Tj = Tbiv	3.57	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.92 kW	4.78 kW

COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.57	2.23
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	60 °C	60 °C
Poff	12 W	12 W
PTO	4 W	4 W
PSB	14 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1121 kWh	1650 kWh

Model WSB-6-A-RMEK-AI

Model name	WSB-6-A-RMEK-AI
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Reversibility	Yes
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 16147 | Average Climate**

Declared load profile	L
Efficiency η_{DHW}	117 %
COP	2.81
Heating up time	1:28 h:min
Standby power input	30.0 W
Reference hot water temperature	47.0 °C
Mixed water at 40°C	183 l

EN 16147 | Colder Climate

Declared load profile	L
Efficiency η_{DHW}	97 %
COP	2.34
Heating up time	1:43 h:min
Standby power input	33.0 W
Reference hot water temperature	47.0 °C
Mixed water at 40°C	182 l

EN 16147 | Warmer Climate

Declared load profile	L
Efficiency η_{DHW}	132 %
COP	3.17
Heating up time	1:17 h:min
Standby power input	26.0 W
Reference hot water temperature	47.0 °C
Mixed water at 40°C	182 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	3.56 kW	5.10 kW
El input	0.71 kW	1.71 kW
COP	5.00	2.98
EN 12102-1 Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	38 dB(A)	38 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)
EN 14825 Average Climate		
	Low temperature	Medium temperature
η_s	192 %	125 %
Prated	5.50 kW	5.00 kW
SCOP	4.87	3.20
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.94 kW	4.11 kW
COP Tj = -7°C	3.21	2.00
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	3.00 kW	2.62 kW
COP Tj = +2°C	4.79	3.12
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	1.92 kW	4.51 kW
COP Tj = +7°C	5.99	4.44
Cdh Tj = +7 °C	1.000	0.990
Pdh Tj = 12°C	2.19 kW	1.80 kW
COP Tj = 12°C	8.30	4.98
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Pdh Tj = Tbiv	4.91 kW	4.11 kW
COP Tj = Tbiv	3.21	2.00
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.44 kW	3.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.93	1.48
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
WTOL	60 °C	60 °C
Poff	12 W	11 W
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Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.06 kW	1.90 kW
Annual energy consumption Qhe	2331 kWh	3226 kWh
EN 12102-1 Colder Climate		
	Low temperature	Medium temperature
Sound power level indoor	38 dB(A)	38 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)
EN 14825 Colder Climate		
	Low temperature	Medium temperature
ηs	153 %	107 %
Prated	6.00 kW	6.00 kW
SCOP	3.85	2.75
Tbiv	-10 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	3.37 kW	3.50 kW
COP Tj = -7°C	3.50	2.41
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	2.20 kW	2.10 kW
COP Tj = +2°C	4.91	3.37
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	1.60 kW	1.40 kW
COP Tj = +7°C	5.72	3.91
Cdh Tj = +7 °C	0.900	1.000
Pdh Tj = 12°C	2.20 kW	1.90 kW
COP Tj = 12°C	7.79	6.48
Cdh Tj = +12 °C	0.900	0.950
Pdh Tj = Tbiv	4.60 kW	3.90 kW
COP Tj = Tbiv	3.20	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.94 kW	2.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.09	1.35
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
WTOL	60 °C	60 °C
Poff	12 W	12 W
PTO	4 W	4 W
PSB	14 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	6.00 kW	6.00 kW
Annual energy consumption Qhe	3795 kWh	4937 kWh
Pdh Tj = -15°C (if TOL		

COP Tj = -15°C (if TOL)

Cd_h Tj = -15 °C**EN 12102-1 | Warmer Climate**

	Low temperature	Medium temperature
Sound power level indoor	38 dB(A)	38 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
η _s	235 %	152 %
P _{rated}	5.00 kW	5.00 kW
SCOP	6.02	3.87
T _{biv}	2 °C	2 °C
TOL	2 °C	2 °C
Pd _h Tj = +2°C	4.92 kW	4.78 kW
COP Tj = +2°C	3.57	2.23
Cd _h Tj = +2 °C	1.000	1.000
Pd _h Tj = +7°C	3.51 kW	3.24 kW
COP Tj = +7°C	5.69	3.31
Cd _h Tj = +7 °C	1.000	1.000
Pd _h Tj = 12°C	2.15 kW	1.82 kW
COP Tj = 12°C	7.79	4.98
Cd _h Tj = +12 °C	0.900	0.950
Pd _h Tj = T _{biv}	4.92 kW	4.78 kW
COP Tj = T _{biv}	3.57	2.13
Pd _h Tj = TOL or Pd _h Tj = T _{designh} if TOL < T _{designh}	4.92 kW	4.78 kW
COP Tj = TOL or COP Tj = T _{designh} if TOL < T _{designh}	3.57	2.23
Cd _h Tj = TOL or Pd _h Tj = T _{designh} if TOL < T _{designh}	1.000	1.000
WTOL	60 °C	60 °C
P _{off}	12 W	12 W
PTO	4 W	4 W
PSB	14 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Q _{he}	1121 kWh	1650 kWh