

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
η_s	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 $T_j = TOL$ or COP $T_j = T_{designh}$ if $TOL < T_{designh}$	3.57	2.23
$C_{dh} T_j = TOL$ or $P_{dh} T_j = T_{designh}$ 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

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

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EN 14825 | Average Climate

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Pdh Tj = -7°C	4.94 kW	4.11 kW
COP Tj = -7°C	3.21	2.00
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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
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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 Q _{he}	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
η_s	153 %	107 %
Prated	6.00 kW	6.00 kW
SCOP	3.85	2.75
T _{biv}	-10 °C	-7 °C
TOL	-20 °C	-20 °C
P _{dh} T _j = -7°C	3.37 kW	3.50 kW
COP T _j = -7°C	3.50	2.41
C _{dh} T _j = -7 °C	1.000	1.000
P _{dh} T _j = +2°C	2.20 kW	2.10 kW
COP T _j = +2°C	4.91	3.37
C _{dh} T _j = +2 °C	1.000	1.000
P _{dh} T _j = +7°C	1.60 kW	1.40 kW
COP T _j = +7°C	5.72	3.91
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P _{dh} T _j = 12°C	2.20 kW	1.90 kW
COP T _j = 12°C	7.79	6.48
C _{dh} T _j = +12 °C	0.900	0.950
P _{dh} T _j = T _{biv}	4.60 kW	3.90 kW
COP T _j = T _{biv}	3.20	2.13
P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh}	2.94 kW	2.30 kW
COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh}	2.09	1.35
C _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh}		
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	6.00 kW	6.00 kW
Annual energy consumption Q _{he}	3795 kWh	4937 kWh
P _{dh} T _j = -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)
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EN 14825 | Warmer Climate

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SCOP	6.02	3.87
T _{biv}	2 °C	2 °C
TOL	2 °C	2 °C
P _d 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
P _d 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
P _d 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
P _d h Tj = T _{biv}	4.92 kW	4.78 kW
COP Tj = T _{biv}	3.57	2.13
P _d h Tj = TOL or P _d 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 P _d 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