

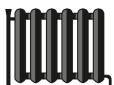


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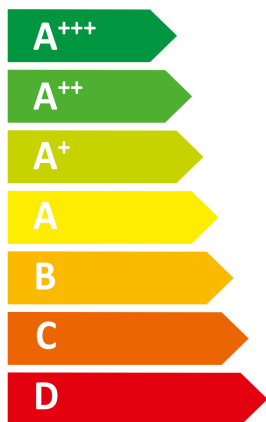
–weishaupt–

WAB 11-A-RME-A



55 °C

35 °C



A⁺⁺

A⁺⁺⁺



0 dB



49 dB

■ 8
■ 7
■ 7
kW

■ 8
■ 7
■ 8
kW



2019

811/2013

Produktdaten

Anbieter:	Max Weishaupt GmbH Max-Weishaupt-Straße D-88475 Schwendi	
Produkt:	Wärmeerzeuger	WAB 11-A-RME-A

Die EU-Konformitätserklärung und die Anleitung (manual) liegen dem Produkt bei.

Nachstehende Produktdaten wurden auf Basis folgender Prüfgrundlagen ermittelt:

811/2013/EU, 813/2013/EU, EN 12102:2017, EN 14511:2018, EN 14825:2018

Wärmeerzeuger	Temperaturanwendung		
	35°C	55°C	
	WAB 11-A-RME-A		
	A+++	A++	
	7	7	kW
	185	138	%
	3142	3996	kWh
	0		dB(A)
	siehe manual		
Schallleistungspegel im Gebäude, LWA			
Besondere Vorkehrungen bei der Installation			
Wärmenennleistung bei kälteren Klimaverhältnissen	8	8	kW
Wärmenennleistung bei wärmeren Klimaverhältnissen	8	7	kW
Jahreszeitbedingte Raumheizungs-Energieeffizienz bei kälteren Klimaverhältnissen	144	118	%
Jahreszeitbedingte Raumheizungs-Energieeffizienz bei wärmeren Klimaverhältnissen	248	176	%
Jährlicher Energieverbrauch für Raumheizung als Endenergie bei kälteren Klimaverhältnissen	5367	6338	kWh
Jährlicher Energieverbrauch für Raumheizung als Endenergie bei wärmeren Klimaverhältnissen	1594	2086	kWh
Schallleistungspegel im Freien, LWA		49	dB(A)

Technical parameters

- weishaupt -

Manufacturer:	Max Weishaupt GmbH
Model:	WAB 11-A-RME-A
	Air-to-water heat pump
Low-temperature heat pump:	no
Equipped with a supplementary heater:	yes
Heat pump combination heater:	no
Application:	low
Climate:	average

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	7	kW
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature T _j			
T _j = -7°C	P _{dh}	5,9	kW
T _j = +2°C	P _{dh}	3,8	kW
T _j = +7°C	P _{dh}	2,4	kW
T _j = +12°C	P _{dh}	2,2	kW
T _j = bivalent temperature	P _{dh}	5,9	kW
T _j = operation limit temperature	P _{dh}	5,3	kW
For air-to-water heat pumps: T _j = -15°C (if TOL < -20°C)	P _{dh}		kW
Bivalent temperature	T _{biv}	-7	°C

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η _s	185	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature T _j			
T _j = -7°C	COP _d	2,87	
T _j = +2°C	COP _d	4,56	
T _j = +7°C	COP _d	6,35	
T _j = +12°C	COP _d	8,15	
T _j = bivalent temperature	COP _d	2,87	
T _j = operation limit temperature	COP _d	2,57	
For air-to-water heat pumps: T _j = -15°C (if TOL < -20°C)	COP _d		
For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C
Heating water operating limit temperature	WTOL	70	°C

Item	Symbol	Value
Degradation co-efficient (**)	C _{dh}	
T _j = -7°C	C _{dh}	1,00
T _j = +2°C	C _{dh}	1,00
T _j = +7°C	C _{dh}	1,00
T _j = +12°C	C _{dh}	1,00
For air-to-water heat pumps: T _j = -15°C (if TOL < -20°C)	C _{dh}	

Power consumption in modes other than active mode

Off mode	P _{OFF}	0,013	kW
Thermostat-off mode	P _{TO}	0,001	kW
Standby mode	P _{SB}	0,013	kW
Crankcase heater mode	P _{CK}	0,008	kW

Other items

Capacity control		variable	
Sound power level, indoors/outdoors	L _{WA}	0 / 49	dB
Annual energy consumption	Q _{HE}	3.142	kWh

For heat combination heater:

Declared load profile		
Daily electricity consumption	Q _{elec}	kWh

Supplementary heater

Rated heat output (*)	P _{sup}	1,84	kW
Type of energy input	electricity		

For air-to-water heat pumps: Rated air flow rate, outdoors	--		m³/h
For water-/brine-to water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	--	2.600,00	m³/h

Water heating energy efficiency	η _{wh}		%
Annual electricity consumption	AEC		kWh

Contact details Max Weishaupt GmbH, Max-Weishaupt-Straße 14, 88475 Schwendi, Tel. 07353/83-0

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

(**) If C_{dh} is not determined by measurement then the default degradation coefficient is C_{dh} = 0,9.

Technical parameters

- weishaupt -

Manufacturer:	Max Weishaupt GmbH
Model:	WAB 11-A-RME-A
	Air-to-water heat pump
Low-temperature heat pump:	no
Equipped with a supplementary heater:	yes
Heat pump combination heater:	no
Application:	medium
Climate:	average

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	7	kW
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature T _j			
T _j = -7°C	P _{dh}	5,5	kW
T _j = +2°C	P _{dh}	3,8	kW
T _j = +7°C	P _{dh}	2,5	kW
T _j = +12°C	P _{dh}	2,1	kW
T _j = bivalent temperature	P _{dh}	5,5	kW
T _j = operation limit temperature	P _{dh}	4,9	kW
For air-to-water heat pumps: T _j = -15°C (if TOL < -20°C)	P _{dh}		kW
Bivalent temperature	T _{biv}	-7	°C

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η _s	138	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature T _j			
T _j = -7°C	COP _d	2,15	
T _j = +2°C	COP _d	3,45	
T _j = +7°C	COP _d	4,55	
T _j = +12°C	COP _d	6,18	
T _j = bivalent temperature	COP _d	2,15	
T _j = operation limit temperature	COP _d	1,90	
For air-to-water heat pumps: T _j = -15°C (if TOL < -20°C)	COP _d		
For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C
Heating water operating limit temperature	WTOL	70	°C

Item	Symbol	Value
Degradation co-efficient (**)	C _{dh}	
T _j = -7°C	C _{dh}	1,00
T _j = +2°C	C _{dh}	1,00
T _j = +7°C	C _{dh}	1,00
T _j = +12°C	C _{dh}	0,98
For air-to-water heat pumps: T _j = -15°C (if TOL < -20°C)	C _{dh}	

Power consumption in modes other than active mode

Off mode	P _{OFF}	0,013	kW
Thermostat-off mode	P _{TO}	0,005	kW
Standby mode	P _{SB}	0,013	kW
Crankcase heater mode	P _{CK}	0,008	kW

Other items

Capacity control		variable	
Sound power level, indoors/outdoors	L _{WA}	0 / 49	dB
Annual energy consumption	Q _{HE}	3.996	kWh

For heat combination heater:

Declared load profile		
Daily electricity consumption	Q _{elec}	kWh

Supplementary heater

Rated heat output (*)	P _{sup}	1,86	kW
Type of energy input	electricity		

For air-to-water heat pumps: Rated air flow rate, outdoors	--		m³/h
For water-/brine-to water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	--	2.600,00	m³/h

Water heating energy efficiency	η _{wh}		%
Annual electricity consumption	AEC		kWh

Contact details Max Weishaupt GmbH, Max-Weishaupt-Straße 14, 88475 Schwendi, Tel. 07353/83-0

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

(**) If C_{dh} is not determined by measurement then the default degradation coefficient is C_{dh} = 0,9.

Technical parameters

- weishaupt -

Manufacturer:	Max Weishaupt GmbH
Model:	WAB 11-A-RME-A
	Air-to-water heat pump
Low-temperature heat pump:	no
Equipped with a supplementary heater:	yes
Heat pump combination heater:	no
Application:	low
Climate:	colder

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8	kW
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature T _j			
T _j = -7°C	P _{dh}	4,8	kW
T _j = +2°C	P _{dh}	2,9	kW
T _j = +7°C	P _{dh}	1,9	kW
T _j = +12°C	P _{dh}	2,2	kW
T _j = bivalent temperature	P _{dh}	5,5	kW
T _j = operation limit temperature	P _{dh}	3,5	kW
For air-to-water heat pumps: T _j = -15°C (if TOL < -20°C)	P _{dh}	4,7	kW
Bivalent temperature	T _{biv}	-10	°C

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η _s	144	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature T _j			
T _j = -7°C	COP _d	3,04	
T _j = +2°C	COP _d	4,77	
T _j = +7°C	COP _d	6,58	
T _j = +12°C	COP _d	8,14	
T _j = bivalent temperature	COP _d	2,67	
T _j = operation limit temperature	COP _d	1,83	
For air-to-water heat pumps: T _j = -15°C (if TOL < -20°C)	COP _d	2,32	
For air-to-water heat pumps: Operation limit temperature	TOL	-22	°C
Heating water operating limit temperature	WTOL	70	°C

Item	Symbol	Value
Degradation co-efficient (**)	C _{dh}	
T _j = -7°C	C _{dh}	1,00
T _j = +2°C	C _{dh}	1,00
T _j = +7°C	C _{dh}	1,00
T _j = +12°C	C _{dh}	0,99
For air-to-water heat pumps: T _j = -15°C (if TOL < -20°C)	C _{dh}	1,00

Power consumption in modes other than active mode

Off mode	P _{OFF}	0,013	kW
Thermostat-off mode	P _{TO}	0,001	kW
Standby mode	P _{SB}	0,013	kW
Crankcase heater mode	P _{CK}	0,008	kW

Other items

Capacity control		variable	
Sound power level, indoors/outdoors	L _{WA}	0 / 49	dB
Annual energy consumption	Q _{HE}	5.367	kWh

For heat combination heater:

Declared load profile		
Daily electricity consumption	Q _{elec}	kWh

Supplementary heater

Rated heat output (*)	P _{sup}	4,52	kW
Type of energy input	electricity		

For air-to-water heat pumps: Rated air flow rate, outdoors	--		m³/h
For water-/brine-to water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	--	2.600,00	m³/h

Water heating energy efficiency	η _{wh}		%
Annual electricity consumption	AEC		kWh

Contact details Max Weishaupt GmbH, Max-Weishaupt-Straße 14, 88475 Schwendi, Tel. 07353/83-0

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

(**) If C_{dh} is not determined by measurement then the default degradation coefficient is C_{dh} = 0,9.

Technical parameters

- weishaupt -

Manufacturer:	Max Weishaupt GmbH
Model:	WAB 11-A-RME-A
	Air-to-water heat pump
Low-temperature heat pump:	no
Equipped with a supplementary heater:	yes
Heat pump combination heater:	no
Application:	medium
Climate:	colder

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8	kW
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature T _j			
T _j = -7°C	P _{dh}	4,8	kW
T _j = +2°C	P _{dh}	2,9	kW
T _j = +7°C	P _{dh}	1,9	kW
T _j = +12°C	P _{dh}	2,1	kW
T _j = bivalent temperature	P _{dh}	5,1	kW
T _j = operation limit temperature	P _{dh}	3,3	kW
For air-to-water heat pumps: T _j = -15°C (if TOL < -20°C)	P _{dh}	4,4	kW
Bivalent temperature	T _{biv}	-10	°C

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η _s	118	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature T _j			
T _j = -7°C	COP _d	2,51	
T _j = +2°C	COP _d	3,84	
T _j = +7°C	COP _d	5,20	
T _j = +12°C	COP _d	6,50	
T _j = bivalent temperature	COP _d	2,20	
T _j = operation limit temperature	COP _d	1,43	
For air-to-water heat pumps: T _j = -15°C (if TOL < -20°C)	COP _d	1,88	
For air-to-water heat pumps: Operation limit temperature	TOL	-22	°C
Heating water operating limit temperature	WTOL	70	°C

Item	Symbol	Value
Degradation co-efficient (**)	C _{dh}	
T _j = -7°C	C _{dh}	1,00
T _j = +2°C	C _{dh}	1,00
T _j = +7°C	C _{dh}	1,00
T _j = +12°C	C _{dh}	1,00
For air-to-water heat pumps: T _j = -15°C (if TOL < -20°C)	C _{dh}	1,00

Power consumption in modes other than active mode

Off mode	P _{OFF}	0,013	kW
Thermostat-off mode	P _{TO}	0,005	kW
Standby mode	P _{SB}	0,013	kW
Crankcase heater mode	P _{CK}	0,008	kW

Other items

Capacity control		variable	
Sound power level, indoors/outdoors	L _{WA}	0 / 49	dB
Annual energy consumption	Q _{HE}	6.338	kWh

For heat combination heater:

Declared load profile		
Daily electricity consumption	Q _{elec}	kWh

Supplementary heater

Rated heat output (*)	P _{sup}	4,55	kW
Type of energy input	electricity		

For air-to-water heat pumps: Rated air flow rate, outdoors	--		m³/h
For water-/brine-to water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	--	2.600,00	m³/h

Water heating energy efficiency	η _{wh}		%
Annual electricity consumption	AEC		kWh

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(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

(**) If C_{dh} is not determined by measurement then the default degradation coefficient is C_{dh} = 0,9.

Technical parameters

- weishaupt -

Manufacturer:	Max Weishaupt GmbH
Model:	WAB 11-A-RME-A
	Air-to-water heat pump
Low-temperature heat pump:	no
Equipped with a supplementary heater:	yes
Heat pump combination heater:	no
Application:	low
Climate:	warmer

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	8	kW
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature T _j			
T _j = -7°C	P _{dh}		kW
T _j = +2°C	P _{dh}	7,5	kW
T _j = +7°C	P _{dh}	5,2	kW
T _j = +12°C	P _{dh}	2,2	kW
T _j = bivalent temperature	P _{dh}	7,5	kW
T _j = operation limit temperature	P _{dh}	7,5	kW
For air-to-water heat pumps: T _j = -15°C (if TOL < -20°C)	P _{dh}		kW
Bivalent temperature	T _{biv}	2	°C

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η _s	248	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature T _j			
T _j = -7°C	COP _d		
T _j = +2°C	COP _d	3,31	
T _j = +7°C	COP _d	5,68	
T _j = +12°C	COP _d	7,63	
T _j = bivalent temperature	COP _d	3,31	
T _j = operation limit temperature	COP _d	3,31	
For air-to-water heat pumps: T _j = -15°C (if TOL < -20°C)	COP _d		
For air-to-water heat pumps: Operation limit temperature	TOL	2	°C
Heating water operating limit temperature	WTOL	70	°C

Item	Symbol	Value
Degradation co-efficient (**)	C _{dh}	
T _j = -7°C	C _{dh}	
T _j = +2°C	C _{dh}	1,00
T _j = +7°C	C _{dh}	1,00
T _j = +12°C	C _{dh}	1,00
For air-to-water heat pumps: T _j = -15°C (if TOL < -20°C)	C _{dh}	

Power consumption in modes other than active mode

Off mode	P _{OFF}	0,013	kW
Thermostat-off mode	P _{TO}	0,001	kW
Standby mode	P _{SB}	0,013	kW
Crankcase heater mode	P _{CK}	0,008	kW

Other items

Capacity control		variable	
Sound power level, indoors/outdoors	L _{WA}	0 / 49	dB
Annual energy consumption	Q _{HE}	1.594	kWh

For heat combination heater:

Declared load profile		
Daily electricity consumption	Q _{elec}	kWh

Supplementary heater

Rated heat output (*)	P _{sup}	0,00	kW
Type of energy input	electricity		

For air-to-water heat pumps: Rated air flow rate, outdoors	--		m³/h
For water-/brine-to water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	--	2.600,00	m³/h

Water heating energy efficiency	η _{wh}		%
Annual electricity consumption	AEC		kWh

Contact details Max Weishaupt GmbH, Max-Weishaupt-Straße 14, 88475 Schwendi, Tel. 07353/83-0

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Technical parameters

- weishaupt -

Manufacturer:	Max Weishaupt GmbH
Model:	WAB 11-A-RME-A
	Air-to-water heat pump
Low-temperature heat pump:	no
Equipped with a supplementary heater:	yes
Heat pump combination heater:	no
Application:	medium
Climate:	warmer

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	7	kW
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature T _j			
T _j = -7°C	P _{dh}		kW
T _j = +2°C	P _{dh}	6,5	kW
T _j = +7°C	P _{dh}	4,9	kW
T _j = +12°C	P _{dh}	2,1	kW
T _j = bivalent temperature	P _{dh}	6,5	kW
T _j = operation limit temperature	P _{dh}	6,5	kW
For air-to-water heat pumps: T _j = -15°C (if TOL < -20°C)	P _{dh}		kW
Bivalent temperature	T _{biv}	2	°C

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η _s	176	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature T _j			
T _j = -7°C	COP _d		
T _j = +2°C	COP _d	2,41	
T _j = +7°C	COP _d	3,68	
T _j = +12°C	COP _d	5,97	
T _j = bivalent temperature	COP _d	2,41	
T _j = operation limit temperature	COP _d	2,41	
For air-to-water heat pumps: T _j = -15°C (if TOL < -20°C)	COP _d		
For air-to-water heat pumps: Operation limit temperature	TOL	2	°C
Heating water operating limit temperature	WTOL	70	°C

Item	Symbol	Value
Degradation co-efficient (**)	C _{dh}	
T _j = -7°C	C _{dh}	
T _j = +2°C	C _{dh}	1,00
T _j = +7°C	C _{dh}	1,00
T _j = +12°C	C _{dh}	0,99
For air-to-water heat pumps: T _j = -15°C (if TOL < -20°C)	C _{dh}	

Power consumption in modes other than active mode

Off mode	P _{OFF}	0,013	kW
Thermostat-off mode	P _{TO}	0,005	kW
Standby mode	P _{SB}	0,013	kW
Crankcase heater mode	P _{CK}	0,008	kW

Other items

Capacity control		variable	
Sound power level, indoors/outdoors	L _{WA}	0 / 49	dB
Annual energy consumption	Q _{HE}	2.086	kWh

For heat combination heater:

Declared load profile		
Daily electricity consumption	Q _{elec}	kWh

Supplementary heater

Rated heat output (*)	P _{sup}	0,00	kW
Type of energy input	electricity		

For air-to-water heat pumps: Rated air flow rate, outdoors	--		m³/h
For water-/brine-to water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	--	2.600,00	m³/h

Water heating energy efficiency	η _{wh}		%
Annual electricity consumption	AEC		kWh

Contact details Max Weishaupt GmbH, Max-Weishaupt-Straße 14, 88475 Schwendi, Tel. 07353/83-0

(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

(**) If C_{dh} is not determined by measurement then the default degradation coefficient is C_{dh} = 0,9.