

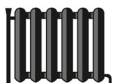


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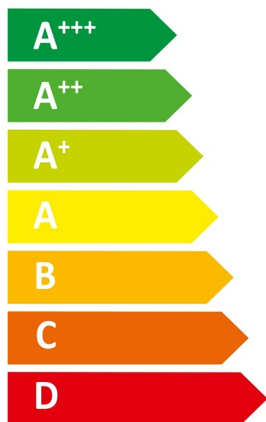
–weishaupt–

WWP S 35 ID



55 °C

35 °C



A⁺⁺

A⁺⁺⁺



58 dB



0 dB

■ 34
■ 32
■ 32
kW

■ 37
■ 35
■ 35
kW



2019

811/2013

Produktdaten

Anbieter: **Max Weishaupt SE**
Max-Weishaupt-Straße
D-88475 Schwendi

Produkt: **Wärmeerzeuger** **WWP S 35 ID**

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 12102:2008, EN 14511-1:2011, EN 14511-2:2011, EN 14511-3:2011,
 EN 14511-4:2011, EN 14825:2013

	Temperaturanwendung		
	35°C	55°C	
Wärmeerzeuger	WWP S 35 ID		
Klasse für die jahreszeitbedingte Raumheizungs-Energieeffizienz (A+++ - D)	A+++	A++	
Wärmenennleistung bei durchschnittlichen Klimaverhältnissen	35	32	kW
Jahreszeitbedingte Raumheizungs-Energieeffizienz bei durchschnittlichen Klimaverhältnissen	201	140	%
Jährlicher Energieverbrauch als Endenergie für Raumheizung bei durchschnittlichen Klimaverhältnissen	13778	17979	kWh
Schallleistungspegel im Gebäude, LWA	58		dB(A)
Besondere Vorkehrungen bei der Installation	siehe manual		
Wärmenennleistung bei kälteren Klimaverhältnissen	37	34	kW
Wärmenennleistung bei wärmeren Klimaverhältnissen	35	32	kW
Jahreszeitbedingte Raumheizungs-Energieeffizienz bei kälteren Klimaverhältnissen	207	144	%
Jahreszeitbedingte Raumheizungs-Energieeffizienz bei wärmeren Klimaverhältnissen	203	140	%
Jährlicher Energieverbrauch für Raumheizung als Endenergie bei kälteren Klimaverhältnissen	16.883	22.186	kWh
Jährlicher Energieverbrauch für Raumheizung als Endenergie bei wärmeren Klimaverhältnissen	8826	11.570	kWh
Schallleistungspegel im Freien, LWA	0		dB(A)

Technical parameters

- weishaupt -

Manufacturer:	Max Weishaupt SE
Model:	WWP S 35 ID
	Brine - to-water heat pump
Low-temperature heat pump:	no
Equipped with a supplementary heater:	no
Heat pump combination heater:	no
Application:	low
Climate:	average

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	35	kW
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature T _j			
T _j = -7°C	P _{dh}	34,9	kW
T _j = +2°C	P _{dh}	35,2	kW
T _j = +7°C	P _{dh}	35,4	kW
T _j = +12°C	P _{dh}	35,7	kW
T _j = bivalent temperature	P _{dh}	34,8	kW
T _j = operation limit temperature	P _{dh}	34,8	kW
For air-to-water heat pumps: T _j = -15°C (if TOL < -20°C)	P _{dh}		kW
Bivalent temperature	T _{biv}	-10	°C

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η _s	201	%
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	4,86	
T _j = +2°C	COP _d	5,17	
T _j = +7°C	COP _d	5,49	
T _j = +12°C	COP _d	5,85	
T _j = bivalent temperature	COP _d	4,80	
T _j = operation limit temperature	COP _d	4,80	
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	62	°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}	0,015	kW
Thermostat-off mode	P _{TO}	0,020	kW
Standby mode	P _{SB}	0,015	kW
Crankcase heater mode	P _{CK}	0,000	kW

Other items

Capacity control		fixed	
Sound power level, indoors/outdoors	L _{WA}	58 / 0	dB
Annual energy consumption	Q _{HE}	13.778	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	--	8,20	m³/h

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

Contact details Max Weishaupt SE, 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 SE
Model:	WWP S 35 ID
	Brine - to-water heat pump
Low-temperature heat pump:	no
Equipped with a supplementary heater:	no
Heat pump combination heater:	no
Application:	medium
Climate:	average

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	32	kW
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature T _j			
T _j = -7°C	P _{dh}	32,4	kW
T _j = +2°C	P _{dh}	33,3	kW
T _j = +7°C	P _{dh}	33,9	kW
T _j = +12°C	P _{dh}	34,5	kW
T _j = bivalent temperature	P _{dh}	32,1	kW
T _j = operation limit temperature	P _{dh}	32,1	kW
For air-to-water heat pumps: T _j = -15°C (if TOL < -20°C)	P _{dh}		kW
Bivalent temperature	T _{biv}	-10	°C

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η _s	140	%
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	3,13	
T _j = +2°C	COP _d	3,64	
T _j = +7°C	COP _d	4,03	
T _j = +12°C	COP _d	4,50	
T _j = bivalent temperature	COP _d	3,00	
T _j = operation limit temperature	COP _d	3,00	
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	62	°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}	0,015	kW
Thermostat-off mode	P _{TO}	0,020	kW
Standby mode	P _{SB}	0,015	kW
Crankcase heater mode	P _{CK}	0,000	kW

Other items

Capacity control		fixed	
Sound power level, indoors/outdoors	L _{WA}	58 / 0	dB
Annual energy consumption	Q _{HE}	17.979	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	--	8,20	m³/h

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

Contact details Max Weishaupt SE, 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 SE
Model:	WWP S 35 ID
	Brine - to-water heat pump
Low-temperature heat pump:	no
Equipped with a supplementary heater:	no
Heat pump combination heater:	no
Application:	low
Climate:	colder

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	37	kW
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature T _j			
T _j = -7°C	P _{dh}	35,2	kW
T _j = +2°C	P _{dh}	35,5	kW
T _j = +7°C	P _{dh}	35,6	kW
T _j = +12°C	P _{dh}	35,7	kW
T _j = bivalent temperature	P _{dh}	34,9	kW
T _j = operation limit temperature	P _{dh}	34,8	kW
For air-to-water heat pumps: T _j = -15°C (if TOL < -20°C)	P _{dh}	35,1	kW
Bivalent temperature	T _{biv}	-20	°C

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η _s	207	%
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	5,25	
T _j = +2°C	COP _d	5,53	
T _j = +7°C	COP _d	5,75	
T _j = +12°C	COP _d	5,81	
T _j = bivalent temperature	COP _d	4,92	
T _j = operation limit temperature	COP _d	4,80	
For air-to-water heat pumps: T _j = -15°C (if TOL < -20°C)	COP _d	5,12	
For air-to-water heat pumps: Operation limit temperature	TOL	-22	°C
Heating water operating limit temperature	WTOL	62	°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}	0,015	kW
Thermostat-off mode	P _{TO}	0,020	kW
Standby mode	P _{SB}	0,015	kW
Crankcase heater mode	P _{CK}	0,000	kW

Other items

Capacity control		fixed	
Sound power level, indoors/outdoors	L _{WA}	58 / 0	dB
Annual energy consumption	Q _{HE}	16.883	kWh

For heat combination heater:

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

Supplementary heater

Rated heat output (*)	P _{sup}	2,06	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	--	8,20	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 SE
Model:	WWP S 35 ID
	Brine - to-water heat pump
Low-temperature heat pump:	no
Equipped with a supplementary heater:	no
Heat pump combination heater:	no
Application:	medium
Climate:	colder

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	34	kW
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature T _j			
T _j = -7°C	P _{dh}	33,2	kW
T _j = +2°C	P _{dh}	33,8	kW
T _j = +7°C	P _{dh}	34,3	kW
T _j = +12°C	P _{dh}	34,7	kW
T _j = bivalent temperature	P _{dh}	32,3	kW
T _j = operation limit temperature	P _{dh}	32,1	kW
For air-to-water heat pumps: T _j = -15°C (if TOL < -20°C)	P _{dh}	32,7	kW
Bivalent temperature	T _{biv}	-20	°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	3,55	
T _j = +2°C	COP _d	3,97	
T _j = +7°C	COP _d	4,37	
T _j = +12°C	COP _d	4,70	
T _j = bivalent temperature	COP _d	3,11	
T _j = operation limit temperature	COP _d	3,00	
For air-to-water heat pumps: T _j = -15°C (if TOL < -20°C)	COP _d	3,31	
For air-to-water heat pumps: Operation limit temperature	TOL	-22	°C
Heating water operating limit temperature	WTOL	62	°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}	0,015	kW
Thermostat-off mode	P _{TO}	0,020	kW
Standby mode	P _{SB}	0,015	kW
Crankcase heater mode	P _{CK}	0,000	kW

Other items

Capacity control		fixed	
Sound power level, indoors/outdoors	L _{WA}	58 / 0	dB
Annual energy consumption	Q _{HE}	22.186	kWh

For heat combination heater:

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

Supplementary heater

Rated heat output (*)	P _{sup}	2,03	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	--	8,20	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 SE
Model:	WWP S 35 ID
	Brine - to-water heat pump
Low-temperature heat pump:	no
Equipped with a supplementary heater:	no
Heat pump combination heater:	no
Application:	low
Climate:	warmer

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	35	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}	34,8	kW
T _j = +7°C	P _{dh}	35,1	kW
T _j = +12°C	P _{dh}	35,5	kW
T _j = bivalent temperature	P _{dh}	34,8	kW
T _j = operation limit temperature	P _{dh}	34,8	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	203	%
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	4,80	
T _j = +7°C	COP _d	5,10	
T _j = +12°C	COP _d	5,61	
T _j = bivalent temperature	COP _d	4,80	
T _j = operation limit temperature	COP _d	4,80	
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	62	°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}	0,015	kW
Thermostat-off mode	P _{TO}	0,020	kW
Standby mode	P _{SB}	0,015	kW
Crankcase heater mode	P _{CK}	0,000	kW

Other items

Capacity control		fixed	
Sound power level, indoors/outdoors	L _{WA}	58 / 0	dB
Annual energy consumption	Q _{HE}	8.826	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	--	8,20	m³/h

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

Contact details Max Weishaupt SE, 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 SE
Model:	WWP S 35 ID
	Brine - to-water heat pump
Low-temperature heat pump:	no
Equipped with a supplementary heater:	no
Heat pump combination heater:	no
Application:	medium
Climate:	warmer

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	32	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}	32,1	kW
T _j = +7°C	P _{dh}	32,9	kW
T _j = +12°C	P _{dh}	34,1	kW
T _j = bivalent temperature	P _{dh}	32,1	kW
T _j = operation limit temperature	P _{dh}	32,1	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	140	%
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	3,00	
T _j = +7°C	COP _d	3,40	
T _j = +12°C	COP _d	4,18	
T _j = bivalent temperature	COP _d	3,00	
T _j = operation limit temperature	COP _d	3,00	
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	62	°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}	0,015	kW
Thermostat-off mode	P _{TO}	0,020	kW
Standby mode	P _{SB}	0,015	kW
Crankcase heater mode	P _{CK}	0,000	kW

Other items

Capacity control		fixed	
Sound power level, indoors/outdoors	L _{WA}	58 / 0	dB
Annual energy consumption	Q _{HE}	11.570	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	--	8,20	m³/h

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

Contact details Max Weishaupt SE, 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.