EU-Konformitätserklärung

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

Produkt: **Wärmeerzeuger** **WWP S 130 ID**

Das Produkt ist konform mit den zutreffenden Anforderungen der Richtlinien:

EDD 2009 / 125 / EC

Prüfgrundlagen: 813/2013/EU, EN 12102:2008, EN 14511-1:2013, EN 14511-2:2013, EN 14511-3:2013, EN 14511-4:2013, EN 14825:2013

ELR (EU) 2017 / 1369

Dieses Produkt wird gekennzeichnet mit:

CE

Schwendi, 26.09.2019

ppa.

Dr. Schloen
Leiter Forschung und Entwicklung

ppa.

Buschle
Leiter Produktion und Qualität

Produktdaten

	Temperaturanwendung		
	35°C	55°C	
Wärmeerzeuger	WWP S 130 ID		
Klasse für die jahreszeitbedingte Raumheizungs-Energieeffizienz (A+++ - D)	A+++	A++	
Wärmenennleistung bei durchschnittlichen Klimaverhältnissen	138	130	kW
Jahreszeitbedingte Raumheizungs-Energieeffizienz bei durchschnittlichen Klimaverhältnissen	190	145	%
Jährlicher Energieverbrauch als Endenergie für Raumheizung bei durchschnittlichen Klimaverhältnissen	57662	69938	kWh
Schallleistungspegel im Gebäude, LWA	70		dB(A)
Besondere Vorkehrungen bei der Installation	siehe Manual		
Wärmenennleistung bei kälteren Klimaverhältnissen	146	138	kW
Wärmenennleistung bei wärmeren Klimaverhältnissen	138	130	kW
Jahreszeitbedingte Raumheizungs-Energieeffizienz bei kälteren Klimaverhältnissen	195	149	%
Jahreszeitbedingte Raumheizungs-Energieeffizienz bei wärmeren Klimaverhältnissen	192	146	%
Jährlicher Energieverbrauch für Raumheizung als Endenergie bei kälteren Klimaverhältnissen	71.096	86.456	kWh
Jährlicher Energieverbrauch für Raumheizung als Endenergie bei wärmeren Klimaverhältnissen	36.892	44.846	kWh
Schallleistungspegel im Freien, LWA	0		dB(A)

Technical parameters

- weishaupt -

Manufacturer:	Max Weishaupt GmbH
Model:	WWP S 130 ID
	Brine - to-water heat pump
Low-temperature heat pump:	Nein
Equipped with a supplementary heater:	Nein
Heat pump combination heater:	
Application:	low
Climate:	average

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	138	kW
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature T_j			
T_j = -7°C	Pdh	138,3	kW
T_j = +2°C	Pdh	139,2	kW
T_j = +7°C	Pdh	140,1	kW
T_j = +12°C	Pdh	140,9	kW
T_j = bivalent temperature	Pdh	138,1	kW
T_j = operation limit temperature	Pdh	138,1	kW
For air-to-water heat pumps: T_j = -15°C (if TOL <-20°C)	Pdh		kW
Bivalent temperature	T_{biv}	-10	°C

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	190	**%**
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	COPd	4,64	
T_j = +2°C	COPd	4,89	
T_j = +7°C	COPd	5,14	
T_j = +12°C	COPd	5,40	
T_j = bivalent temperature	COPd	4,60	
T_j = operation limit temperature	COPd	4,60	
For air-to-water heat pumps: T_j = -15°C (if TOL <-20°C)	COPd		
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 (**)	Cdh	
T_j = -7°C	Cdh	1,00
T_j = +2°C	Cdh	1,00
T_j = +7°C	Cdh	1,00
T_j = +12°C	Cdh	1,00
For air-to-water heat pumps: T_j = -15°C (if TOL <-20°C)	Cdh	

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

Supplementary heater

Rated heat output (*)	Psup	0,00	kW
Type of energy input		electricity	

Other items

Capacity control		fixed	
Sound power level, indoors/outdoors	L_{WA}	70 / 0	dB
Annual energy consumption	Q_{HE}	57.662	kWh

For air-to-water heat pumps: Rated air flow rate, outdoors	--		m^3/h
For water-/brine-to water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	--	33,10	m^3/h

For heat combination heater:

Declared load profile			
Daily electricity consumption	Qelec		kWh

Water heating energy efficiency	ηwh		%
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:	WWP S 130 ID
	Brine - to-water heat pump
Low-temperature heat pump:	Nein
Equipped with a supplementary heater:	Nein
Heat pump combination heater:	
Application:	medium
Climate:	average

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	130	kW
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature T_j			
T_j = -7°C	Pdh	130,6	kW
T_j = +2°C	Pdh	134,1	kW
T_j = +7°C	Pdh	136,2	kW
T_j = +12°C	Pdh	138,3	kW
T_j = bivalent temperature	Pdh	129,6	kW
T_j = operation limit temperature	Pdh	129,6	kW
For air-to-water heat pumps: T_j = -15°C (if TOL <-20°C)	Pdh		kW
Bivalent temperature	T_{biv}	-10	°C

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	145	**%**
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	COPd	3,23	
T_j = +2°C	COPd	3,77	
T_j = +7°C	COPd	4,17	
T_j = +12°C	COPd	4,65	
T_j = bivalent temperature	COPd	3,10	
T_j = operation limit temperature	COPd	3,10	
For air-to-water heat pumps: T_j = -15°C (if TOL <-20°C)	COPd		
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 (**)	Cdh	
T_j = -7°C	Cdh	1,00
T_j = +2°C	Cdh	1,00
T_j = +7°C	Cdh	1,00
T_j = +12°C	Cdh	1,00
For air-to-water heat pumps: T_j = -15°C (if TOL <-20°C)	Cdh	

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

Supplementary heater

Rated heat output (*)	Psup	0,00	kW
Type of energy input		electricity	

Other items

Capacity control		fixed	
Sound power level, indoors/outdoors	L_{WA}	70 / 0	dB
Annual energy consumption	Q_{HE}	69.938	kWh

For air-to-water heat pumps: Rated air flow rate, outdoors	--		m^3/h
For water-/brine-to water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	--	33,10	m^3/h

For heat combination heater:

Declared load profile			
Daily electricity consumption	Qelec		kWh

Water heating energy efficiency	ηwh		%
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 Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Technical parameters

- weishaupt -

Manufacturer:	Max Weishaupt GmbH
Model:	WWP S 130 ID
	Brine - to-water heat pump
Low-temperature heat pump:	Nein
Equipped with a supplementary heater:	Nein
Heat pump combination heater:	
Application:	low
Climate:	colder

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	146	kW
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature T_j			
T_j = -7°C	Pdh	139,4	kW
T_j = +2°C	Pdh	140,2	kW
T_j = +7°C	Pdh	140,7	kW
T_j = +12°C	Pdh	140,8	kW
T_j = bivalent temperature	Pdh	138,5	kW
T_j = operation limit temperature	Pdh	138,1	kW
For air-to-water heat pumps: T_j = -15°C (if TOL <-20°C)	Pdh	139,1	kW
Bivalent temperature	T_{biv}	-20	°C

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	195	**%**
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	COPd	4,95	
T_j = +2°C	COPd	5,16	
T_j = +7°C	COPd	5,33	
T_j = +12°C	COPd	5,37	
T_j = bivalent temperature	COPd	4,69	
T_j = operation limit temperature	COPd	4,60	
For air-to-water heat pumps: T_j = -15°C (if TOL <-20°C)	COPd	4,85	
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 (**)	Cdh	
T_j = -7°C	Cdh	1,00
T_j = +2°C	Cdh	1,00
T_j = +7°C	Cdh	1,00
T_j = +12°C	Cdh	1,00
For air-to-water heat pumps: T_j = -15°C (if TOL <-20°C)	Cdh	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

Supplementary heater

Rated heat output (*)	Psup	8,06	kW
Type of energy input		electricity	

Other items

Capacity control		fixed	
Sound power level, indoors/outdoors	L_{WA}	70 / 0	dB
Annual energy consumption	Q_{HE}	71.096	kWh

For air-to-water heat pumps: Rated air flow rate, outdoors	--		m^3/h
For water-/brine-to water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	--	33,10	m^3/h

For heat combination heater:

Declared load profile			
Daily electricity consumption	Qelec		kWh

Water heating energy efficiency	ηwh		%
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 Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Technical parameters

- weishaupt -

Manufacturer:	Max Weishaupt GmbH
Model:	WWP S 130 ID
	Brine - to-water heat pump
Low-temperature heat pump:	Nein
Equipped with a supplementary heater:	Nein
Heat pump combination heater:	
Application:	medium
Climate:	colder

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	138	kW
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature T_j			
T_j = -7°C	Pdh	133,5	kW
T_j = +2°C	Pdh	135,9	kW
T_j = +7°C	Pdh	137,7	kW
T_j = +12°C	Pdh	139,0	kW
T_j = bivalent temperature	Pdh	130,3	kW
T_j = operation limit temperature	Pdh	129,6	kW
For air-to-water heat pumps: T_j = -15°C (if TOL <-20°C)	Pdh	131,8	kW
Bivalent temperature	T_{biv}	-20	°C

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	149	**%**
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	COPd	3,66	
T_j = +2°C	COPd	4,10	
T_j = +7°C	COPd	4,49	
T_j = +12°C	COPd	4,84	
T_j = bivalent temperature	COPd	3,19	
T_j = operation limit temperature	COPd	3,10	
For air-to-water heat pumps: T_j = -15°C (if TOL <-20°C)	COPd	3,40	
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 (**)	Cdh	
T_j = -7°C	Cdh	1,00
T_j = +2°C	Cdh	1,00
T_j = +7°C	Cdh	1,00
T_j = +12°C	Cdh	1,00
For air-to-water heat pumps: T_j = -15°C (if TOL <-20°C)	Cdh	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

Supplementary heater

Rated heat output (*)	Psup	7,97	kW
Type of energy input	electricity		

Other items

Capacity control		fixed	
Sound power level, indoors/outdoors	L_{WA}	70 / 0	dB
Annual energy consumption	Q_{HE}	86.456	kWh

For air-to-water heat pumps: Rated air flow rate, outdoors	--		m^3/h
For water-/brine-to water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	--	33,10	m^3/h

For heat combination heater:

Declared load profile			
Daily electricity consumption	Qelec		kWh

Water heating energy efficiency	ηwh		%
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 Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Technical parameters

- weishaupt -

Manufacturer:	Max Weishaupt GmbH
Model:	WWP S 130 ID
	Brine - to-water heat pump
Low-temperature heat pump:	Nein
Equipped with a supplementary heater:	Nein
Heat pump combination heater:	
Application:	low
Climate:	warmer

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	138	kW
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature T_j			
T_j = -7°C	Pdh		kW
T_j = +2°C	Pdh	138,1	kW
T_j = +7°C	Pdh	139,0	kW
T_j = +12°C	Pdh	140,4	kW
T_j = bivalent temperature	Pdh	138,1	kW
T_j = operation limit temperature	Pdh	138,1	kW
For air-to-water heat pumps: T_j = -15°C (if TOL <-20°C)	Pdh		kW
Bivalent temperature	T_{biv}	2	°C

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	192	**%**
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	COPd		
T_j = +2°C	COPd	4,60	
T_j = +7°C	COPd	4,84	
T_j = +12°C	COPd	5,22	
T_j = bivalent temperature	COPd	4,60	
T_j = operation limit temperature	COPd	4,60	
For air-to-water heat pumps: T_j = -15°C (if TOL <-20°C)	COPd		
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 (**)	Cdh	
T_j = -7°C	Cdh	
T_j = +2°C	Cdh	1,00
T_j = +7°C	Cdh	1,00
T_j = +12°C	Cdh	1,00
For air-to-water heat pumps: T_j = -15°C (if TOL <-20°C)	Cdh	

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

Supplementary heater

Rated heat output (*)	Psup	0,00	kW
Type of energy input		electricity	

Other items

Capacity control		fixed	
Sound power level, indoors/outdoors	L_{WA}	70 / 0	dB
Annual energy consumption	Q_{HE}	36.892	kWh

For air-to-water heat pumps: Rated air flow rate, outdoors	--		m^3/h
For water-/brine-to water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	--	33,10	m^3/h

For heat combination heater:

Declared load profile			
Daily electricity consumption	Qelec		kWh

Water heating energy efficiency	ηwh		%
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 Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.

Technical parameters

- weishaupt -

Manufacturer:	Max Weishaupt GmbH
Model:	WWP S 130 ID
	Brine - to-water heat pump
Low-temperature heat pump:	Nein
Equipped with a supplementary heater:	Nein
Heat pump combination heater:	
Application:	medium
Climate:	warmer

Item	Symbol	Value	Unit
Rated heat output (*)	Prated	130	kW
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature T_j			
T_j = -7°C	Pdh		kW
T_j = +2°C	Pdh	129,6	kW
T_j = +7°C	Pdh	132,6	kW
T_j = +12°C	Pdh	136,9	kW
T_j = bivalent temperature	Pdh	129,6	kW
T_j = operation limit temperature	Pdh	129,6	kW
For air-to-water heat pumps: T_j = -15°C (if TOL <-20°C)	Pdh		kW
Bivalent temperature	T_{biv}	2	°C

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	146	**%**
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	COPd		
T_j = +2°C	COPd	3,10	
T_j = +7°C	COPd	3,52	
T_j = +12°C	COPd	4,32	
T_j = bivalent temperature	COPd	3,10	
T_j = operation limit temperature	COPd	3,10	
For air-to-water heat pumps: T_j = -15°C (if TOL <-20°C)	COPd		
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 (**)	Cdh	
T_j = -7°C	Cdh	
T_j = +2°C	Cdh	1,00
T_j = +7°C	Cdh	1,00
T_j = +12°C	Cdh	1,00
For air-to-water heat pumps: T_j = -15°C (if TOL <-20°C)	Cdh	

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

Supplementary heater

Rated heat output (*)	Psup	0,00	kW
Type of energy input		electricity	

Other items

Capacity control		fixed	
Sound power level, indoors/outdoors	L_{WA}	70 / 0	dB
Annual energy consumption	Q_{HE}	44.846	kWh

For air-to-water heat pumps: Rated air flow rate, outdoors	--		m^3/h
For water-/brine-to water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	--	33,10	m^3/h

For heat combination heater:

Declared load profile			
Daily electricity consumption	Qelec		kWh

Water heating energy efficiency	ηwh		%
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 Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.