EU-Konformitätserklärung

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

Produkt: **Wärmeerzeuger** **WWP S 75 ID**

Das Produkt ist konform mit den zutreffenden Anforderungen der Richtlinien:

EDD 2009 / 125 / EC

Prüfgrundlagen: 813/2013/EU, EN 12102:2008, EN 14511-1:2011, EN 14511-2:2011, EN 14511-3:2011, EN 14511-4:2011, EN 14825:2013

ELR (EU) 2017 / 1369

Prüfgrundlagen: 811/2013/EU

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 75 ID		
Klasse für die jahreszeitbedingte Raumheizungs-Energieeffizienz (A+++ - D)	A+++	A++	
Wärmenennleistung bei durchschnittlichen Klimaverhältnissen	74	67	kW
Jahreszeitbedingte Raumheizungs-Energieeffizienz bei durchschnittlichen Klimaverhältnissen	201	146	%
Jährlicher Energieverbrauch als Endenergie für Raumheizung bei durchschnittlichen Klimaverhältnissen	29007	36209	kWh
Schallleistungspegel im Gebäude, LWA	62		dB(A)
Besondere Vorkehrungen bei der Installation	siehe Manual		
Wärmenennleistung bei kälteren Klimaverhältnissen	78	72	kW
Wärmenennleistung bei wärmeren Klimaverhältnissen	74	67	kW
Jahreszeitbedingte Raumheizungs-Energieeffizienz bei kälteren Klimaverhältnissen	208	150	%
Jahreszeitbedingte Raumheizungs-Energieeffizienz bei wärmeren Klimaverhältnissen	204	147	%
Jährlicher Energieverbrauch für Raumheizung als Endenergie bei kälteren Klimaverhältnissen	35.601	44.644	kWh
Jährlicher Energieverbrauch für Raumheizung als Endenergie bei wärmeren Klimaverhältnissen	18.534	23.202	kWh
Schallleistungspegel im Freien, LWA	0		dB(A)

Technical parameters

- weishaupt -

Manufacturer:	Max Weishaupt GmbH
Model:	WWP S 75 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	74	kW
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature T_j			
T_j = -7°C	Pdh	73,6	kW
T_j = +2°C	Pdh	74,3	kW
T_j = +7°C	Pdh	74,9	kW
T_j = +12°C	Pdh	75,6	kW
T_j = bivalent temperature	Pdh	73,5	kW
T_j = operation limit temperature	Pdh	73,5	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	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	COPd	4,86	
T_j = +2°C	COPd	5,17	
T_j = +7°C	COPd	5,49	
T_j = +12°C	COPd	5,83	
T_j = bivalent temperature	COPd	4,80	
T_j = operation limit temperature	COPd	4,80	
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}	62 / 0	dB
Annual energy consumption	Q_{HE}	29.007	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	--	18,40	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 75 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	67	kW
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature T_j			
T_j = -7°C	Pdh	68,0	kW
T_j = +2°C	Pdh	70,5	kW
T_j = +7°C	Pdh	72,1	kW
T_j = +12°C	Pdh	73,6	kW
T_j = bivalent temperature	Pdh	67,3	kW
T_j = operation limit temperature	Pdh	67,3	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	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	3,15	
T_j = +2°C	COPd	3,77	
T_j = +7°C	COPd	4,25	
T_j = +12°C	COPd	4,84	
T_j = bivalent temperature	COPd	3,00	
T_j = operation limit temperature	COPd	3,00	
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}	62 / 0	dB
Annual energy consumption	Q_{HE}	36.209	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	--	18,40	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 75 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	78	kW
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature T_j			
T_j = -7°C	Pdh	74,5	kW
T_j = +2°C	Pdh	75,0	kW
T_j = +7°C	Pdh	75,4	kW
T_j = +12°C	Pdh	75,5	kW
T_j = bivalent temperature	Pdh	73,8	kW
T_j = operation limit temperature	Pdh	73,5	kW
For air-to-water heat pumps: T_j = -15°C (if TOL <-20°C)	Pdh	74,2	kW
Bivalent temperature	T_{biv}	-20	°C

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	208	**%**
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	5,25	
T_j = +2°C	COPd	5,52	
T_j = +7°C	COPd	5,74	
T_j = +12°C	COPd	5,80	
T_j = bivalent temperature	COPd	4,92	
T_j = operation limit temperature	COPd	4,80	
For air-to-water heat pumps: T_j = -15°C (if TOL <-20°C)	COPd	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 (**)	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	4,36	kW
Type of energy input		electricity	

Other items

Capacity control		fixed	
Sound power level, indoors/outdoors	L_{WA}	62 / 0	dB
Annual energy consumption	Q_{HE}	35.601	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	--	18,40	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 75 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	72	kW
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature T_j			
T_j = -7°C	Pdh	70,1	kW
T_j = +2°C	Pdh	71,8	kW
T_j = +7°C	Pdh	73,1	kW
T_j = +12°C	Pdh	74,1	kW
T_j = bivalent temperature	Pdh	67,8	kW
T_j = operation limit temperature	Pdh	67,3	kW
For air-to-water heat pumps: T_j = -15°C (if TOL <-20°C)	Pdh	68,9	kW
Bivalent temperature	T_{biv}	-20	°C

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	150	**%**
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	3,65	
T_j = +2°C	COPd	4,17	
T_j = +7°C	COPd	4,65	
T_j = +12°C	COPd	5,08	
T_j = bivalent temperature	COPd	3,11	
T_j = operation limit temperature	COPd	3,00	
For air-to-water heat pumps: T_j = -15°C (if TOL <-20°C)	COPd	3,35	
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	4,30	kW
Type of energy input	electricity		

Other items

Capacity control		fixed	
Sound power level, indoors/outdoors	L_{WA}	62 / 0	dB
Annual energy consumption	Q_{HE}	44.644	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	--	18,40	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 75 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	74	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	73,5	kW
T_j = +7°C	Pdh	74,2	kW
T_j = +12°C	Pdh	75,1	kW
T_j = bivalent temperature	Pdh	73,5	kW
T_j = operation limit temperature	Pdh	73,5	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	204	**%**
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	4,80	
T_j = +7°C	COPd	5,10	
T_j = +12°C	COPd	5,60	
T_j = bivalent temperature	COPd	4,80	
T_j = operation limit temperature	COPd	4,80	
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}	62 / 0	dB
Annual energy consumption	Q_{HE}	18.534	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	--	18,40	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 75 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	67	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	67,3	kW
T_j = +7°C	Pdh	69,5	kW
T_j = +12°C	Pdh	72,6	kW
T_j = bivalent temperature	Pdh	67,3	kW
T_j = operation limit temperature	Pdh	67,3	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	147	**%**
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	3,00	
T_j = +7°C	COPd	3,49	
T_j = +12°C	COPd	4,44	
T_j = bivalent temperature	COPd	3,00	
T_j = operation limit temperature	COPd	3,00	
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}	62 / 0	dB
Annual energy consumption	Q_{HE}	23.202	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	--	18,40	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.