

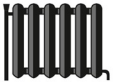


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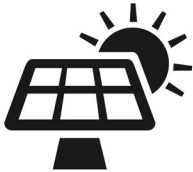


Company
Street
City

Weishaupt WWP S 8 ID



+



+



+



+



2015

811/2013

Jahreszeitbedingte Raumheizungs-Energieeffizienz der Wärmepumpe

138 %

Temperaturregler

Vom Datenblatt für
Temperaturregelung

Klasse I = 1 %, Klasse II = 2 %, Klasse III = 1,5 %,
Klasse IV = 2 %, Klasse V = 3 %, Klasse VI = 4 %,
Klasse VII = 3,5 %, Klasse VIII = 5 %

+ 1,5 %

Zusatzheizkessel

Jahreszeitbedingte Raumheizungs-Energieeffizienz (in %)

Vom Datenblatt des Heizkessels

$$(0 - 138) \times 0 = \pm 0 \%$$

Solarer Beitrag

Vom Datenblatt der Solareinrichtung

Kollektor-Größe (in m²)

Tankvolumen (in m³)

Kollektor-Wirkungsgrad
(in %)

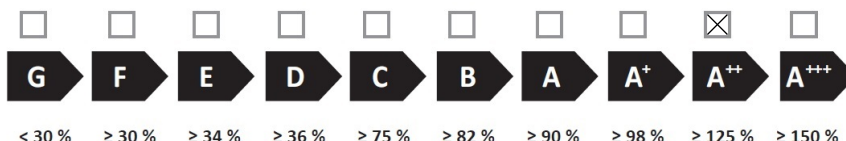
Tankeinstufung
A⁺ = 0,95, A = 0,91,
B = 0,86, C = 0,83,
D-G = 0,81

$$(0 \times 0 + 0 \times 0) \times 0,45 \times (0 / 100) \times 0 = + 0 \%$$

Jahreszeitbedingte Raumheizungs-Energieeffizienz der Verbundanlage bei durchschnittlichem Klima

140 %

Jahreszeitbedingte Raumheizungs-Energieeffizienzklasse der Verbundanlage bei durchschnittlichem Klima



Jahreszeitbedingte Raumheizungs-Energieeffizienz bei kälterem und wärmerem Klima

Kälter: 140 - 5 = 135 % Wärmer: 140 + 5 = 145 %

Die auf diesem Datenblatt für den Produktverbund angegebene Energieeffizienz weicht möglicherweise von der Energieeffizienz nach dessen Einbau in ein Gebäude ab, denn diese wird von weiteren Faktoren wie dem Wärmeverlust im Verteilungssystem und der Dimensionierung der Produkte im Verhältnis zu Größe und Eigenschaften des Gebäudes beeinflusst.

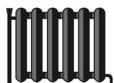


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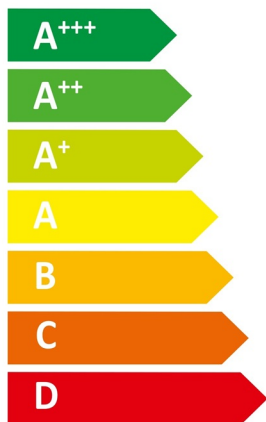
–weishaupt–

WWP S 8 ID



55 °C

35 °C



A⁺⁺

A⁺⁺⁺



47 dB



0 dB

■ 8
■ 7
■ 7
kW

■ 9
■ 8
■ 8
kW



2019

811/2013



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–weishaupt–

WES 100 H



30_w

98_L

2017

812/2013

Produktdaten

Anbieter:	Max Weishaupt SE Max-Weishaupt-Straße D-88475 Schwendi	
Produkt:	Wärmeerzeuger	WWP S 8 ID
	Speicher	WES 100 H

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

Nachstehende Produktdaten wurden auf Basis folgender Prüfgrundlagen ermittelt:

811/2013/EU, 812/2013/EU, 813/2013/EU, 814/2013/EU, EN 12102:2008, EN 12897:2006-09,
EN 14511-1:2007, EN 14511-2:2007, EN 14511-3:2007+AC:2008, EN 14511-4:2007, EN 14825:2013

	Temperaturanwendung		
	35°C	55°C	
Wärmeerzeuger	WWP S 8 ID		
Klasse für die jahreszeitbedingte Raumheizungs-Energieeffizienz (A+++ - D)	A+++	A++	
Wärmenennleistung bei durchschnittlichen Klimaverhältnissen	8	7	kW
Jahreszeitbedingte Raumheizungs-Energieeffizienz bei durchschnittlichen Klimaverhältnissen	197	138	%
Jährlicher Energieverbrauch als Endenergie für Raumheizung bei durchschnittlichen Klimaverhältnissen	3264	4089	kWh
Schallleistungspegel im Gebäude, LWA	47		dB(A)
Besondere Vorkehrungen bei der Installation	siehe manual		
Wärmenennleistung bei kälteren Klimaverhältnissen	9	8	kW
Wärmenennleistung bei wärmeren Klimaverhältnissen	8	7	kW
Jahreszeitbedingte Raumheizungs-Energieeffizienz bei kälteren Klimaverhältnissen	205	143	%
Jahreszeitbedingte Raumheizungs-Energieeffizienz bei wärmeren Klimaverhältnissen	196	137	%
Jährlicher Energieverbrauch für Raumheizung als Endenergie bei kälteren Klimaverhältnissen	3969	5011	kWh
Jährlicher Energieverbrauch für Raumheizung als Endenergie bei wärmeren Klimaverhältnissen	2123	2658	kWh
Schallleistungspegel im Freien, LWA	0		dB(A)
Modellkennung der Regelung	WPM 5.0		
Klasse des Temperaturreglers	III		
Beitrag des Reglers zur jahreszeitbedingten Raumheizungs-Energieeffizienz	1,5		%
Modellkennung Speicher	WES 100 H		
Energieeffizienzklasse des Speichers (A+ - F)	A		
Warmhalteverlust des Speichers, S	30		W
Speichervolumen, V	98		l
Speichervolumen, V	0,098		m³
Jahreszeitbedingte Raumheizungs-Energieeffizienz der Verbundanlage, eta s	140		%
Klasse für die jahreszeitbedingte Raumheizungs-Energieeffizienz der Verbundanlage (A+++ - G)	A++		

Technical parameters

- weishaupt -

Manufacturer:	Max Weishaupt SE
Model:	WWP S 8 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	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}	8,1	kW
T _j = +2°C	P _{dh}	8,2	kW
T _j = +7°C	P _{dh}	8,3	kW
T _j = +12°C	P _{dh}	8,4	kW
T _j = bivalent temperature	P _{dh}	8,1	kW
T _j = operation limit temperature	P _{dh}	8,1	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	197	%
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	4,85	
T _j = +2°C	COP _d	5,21	
T _j = +7°C	COP _d	5,56	
T _j = +12°C	COP _d	5,95	
T _j = bivalent temperature	COP _d	4,79	
T _j = operation limit temperature	COP _d	4,79	
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}	0,99
T _j = +2°C	C _{dh}	0,99
T _j = +7°C	C _{dh}	0,99
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}	0,015	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}	47 / 0	dB
Annual energy consumption	Q _{HE}	3.264	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	--	1,90	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 8 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	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}	7,3	kW
T _j = +2°C	P _{dh}	7,7	kW
T _j = +7°C	P _{dh}	7,9	kW
T _j = +12°C	P _{dh}	8,1	kW
T _j = bivalent temperature	P _{dh}	7,2	kW
T _j = operation limit temperature	P _{dh}	7,2	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	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	2,99	
T _j = +2°C	COP _d	3,65	
T _j = +7°C	COP _d	4,17	
T _j = +12°C	COP _d	4,81	
T _j = bivalent temperature	COP _d	2,83	
T _j = operation limit temperature	COP _d	2,83	
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}	0,99
T _j = +2°C	C _{dh}	0,99
T _j = +7°C	C _{dh}	0,99
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}	0,015	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}	47 / 0	dB
Annual energy consumption	Q _{HE}	4.089	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	--	1,90	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 8 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	9	kW
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature T _j			
T _j = -7°C	P _{dh}	8,2	kW
T _j = +2°C	P _{dh}	8,3	kW
T _j = +7°C	P _{dh}	8,4	kW
T _j = +12°C	P _{dh}	8,4	kW
T _j = bivalent temperature	P _{dh}	8,1	kW
T _j = operation limit temperature	P _{dh}	8,1	kW
For air-to-water heat pumps: T _j = -15°C (if TOL < -20°C)	P _{dh}	8,2	kW
Bivalent temperature	T _{biv}	-20	°C

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η _s	205	%
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	5,29	
T _j = +2°C	COP _d	5,60	
T _j = +7°C	COP _d	5,85	
T _j = +12°C	COP _d	5,91	
T _j = bivalent temperature	COP _d	4,92	
T _j = operation limit temperature	COP _d	4,79	
For air-to-water heat pumps: T _j = -15°C (if TOL < -20°C)	COP _d	5,14	
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}	0,99
T _j = +2°C	C _{dh}	0,99
T _j = +7°C	C _{dh}	0,99
T _j = +12°C	C _{dh}	0,99
For air-to-water heat pumps: T _j = -15°C (if TOL < -20°C)	C _{dh}	0,99

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}	47 / 0	dB
Annual energy consumption	Q _{HE}	3.969	kWh

For heat combination heater:

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

Supplementary heater

Rated heat output (*)	P _{sup}	0,49	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	--	1,90	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 8 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	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}	7,6	kW
T _j = +2°C	P _{dh}	7,9	kW
T _j = +7°C	P _{dh}	8,0	kW
T _j = +12°C	P _{dh}	8,2	kW
T _j = bivalent temperature	P _{dh}	7,3	kW
T _j = operation limit temperature	P _{dh}	7,2	kW
For air-to-water heat pumps: T _j = -15°C (if TOL < -20°C)	P _{dh}	7,4	kW
Bivalent temperature	T _{biv}	-20	°C

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η _s	143	%
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	3,52	
T _j = +2°C	COP _d	4,08	
T _j = +7°C	COP _d	4,60	
T _j = +12°C	COP _d	5,08	
T _j = bivalent temperature	COP _d	2,95	
T _j = operation limit temperature	COP _d	2,83	
For air-to-water heat pumps: T _j = -15°C (if TOL < -20°C)	COP _d	3,20	
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}	0,99
T _j = +2°C	C _{dh}	0,99
T _j = +7°C	C _{dh}	0,99
T _j = +12°C	C _{dh}	0,99
For air-to-water heat pumps: T _j = -15°C (if TOL < -20°C)	C _{dh}	0,99

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}	47 / 0	dB
Annual energy consumption	Q _{HE}	5.011	kWh

For heat combination heater:

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

Supplementary heater

Rated heat output (*)	P _{sup}	0,48	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	--	1,90	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 8 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	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}	8,1	kW
T _j = +7°C	P _{dh}	8,2	kW
T _j = +12°C	P _{dh}	8,3	kW
T _j = bivalent temperature	P _{dh}	8,1	kW
T _j = operation limit temperature	P _{dh}	8,1	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	196	%
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	4,79	
T _j = +7°C	COP _d	5,13	
T _j = +12°C	COP _d	5,69	
T _j = bivalent temperature	COP _d	4,79	
T _j = operation limit temperature	COP _d	4,79	
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}	0,99
T _j = +7°C	C _{dh}	0,99
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}	0,015	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}	47 / 0	dB
Annual energy consumption	Q _{HE}	2.123	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	--	1,90	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 8 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	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}	7,2	kW
T _j = +7°C	P _{dh}	7,5	kW
T _j = +12°C	P _{dh}	8,0	kW
T _j = bivalent temperature	P _{dh}	7,2	kW
T _j = operation limit temperature	P _{dh}	7,2	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	137	%
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	2,83	
T _j = +7°C	COP _d	3,35	
T _j = +12°C	COP _d	4,37	
T _j = bivalent temperature	COP _d	2,83	
T _j = operation limit temperature	COP _d	2,83	
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}	0,99
T _j = +7°C	C _{dh}	0,99
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}	0,015	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}	47 / 0	dB
Annual energy consumption	Q _{HE}	2.658	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	--	1,90	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.