Information requirements for heat pump space heaters and heat pump combination heaters according Reg. (EU) 813/2013 and DIN EN 14825:2018

Modell	**W009-E1V-11**
Air-to-water heat pump:	No
Water-to-water heat pump:	Yes
Brine-to-water heat pump:	No
Low-temperature heat pump:	Yes
Equipped with a supplementary heater:	No
Heat pump combination heater:	No

Parameters are declared for applications with:	low-temperature (35°C)
	average climate

Item	**Symbol**	**Value**	**Unit**
Rated heat output	P_{rated}	**85,34**	**kW**
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7°C	P_{dh}	75	kW
Tj = +2°C	P_{dh}	44	kW
Tj = +7°C	P_{dh}	28	kW
Tj = +12°C	P_{dh}	28	kW
Tj = -10°C (bivalent temperature)	P_{dh}	85	kW
Tj = -10°C (operation limit temperature)	P_{dh}	85	kW
Bivalent temperature	T_{biv}	-10	°C
Degradation coefficient*	C_{dh}	0,90	-
Power consumption in modes other than active mode			
Off mode	P_{off}	-	kW
Thermostat-off mode	P_{TO}	3,01	kW
Standby mode	P_{SB}	0,00	kW
Crankcase heater mode	P_{CK}	-	kW
Sonstige Elemente			
Capacity control		staged	
Sound power level	L_{WA}	95	dB(A)
Annual energy consumption	QHe	34.624	kWh
Rated brine or water flow rate, evaporator		19,7	m^3/h
Contact details			
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Item	**Symbol**	**Value**	**Unit**
Seasonal space heating energy efficiency	η_S	**195,65**	**%**
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7°C	COP_d	4,26	-
Tj = +2°C	COP_d	5,53	-
Tj = +7°C	COP_d	5,59	-
Tj = +12°C	COP_d	4,77	-
Tj = -10°C (bivalent temperature)	COP_d	4,07	-
Tj = -10°C (operation limit temperature)	COP_d	4,07	-
Heating water operating limit temperature	WTOL	65	°C

Supplementary heater			
Rated heat output	Psup	0	W
Type of energy input		-	

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

Information requirements for heat pump space heaters and heat pump combination heaters according Reg. (EU) 813/2013 and DIN EN 14825:2018

Modell	**W009-F1V-11**
Air-to-water heat pump:	No
Water-to-water heat pump:	Yes
Brine-to-water heat pump:	No
Low-temperature heat pump:	Yes
Equipped with a supplementary heater:	No
Heat pump combination heater:	No

Parameters are declared for applications with:	low-temperature (35°C)
	average climate

Item	**Symbol**	**Value**	**Unit**
Rated heat output	P_{rated}	**85,34**	**kW**
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7°C	P_{dh}	75	kW
Tj = +2°C	P_{dh}	44	kW
Tj = +7°C	P_{dh}	28	kW
Tj = +12°C	P_{dh}	28	kW
Tj = -10°C (bivalent temperature)	P_{dh}	85	kW
Tj = -10°C (operation limit temperature)	P_{dh}	85	kW
Bivalent temperature	T_{biv}	-10	°C
Degradation coefficient*	C_{dh}	0,90	-
Power consumption in modes other than active mode			
Off mode	P_{off}	-	kW
Thermostat-off mode	P_{TO}	3,01	kW
Standby mode	P_{SB}	0,00	kW
Crankcase heater mode	P_{CK}	-	kW
Sonstige Elemente			
Capacity control		staged	
Sound power level	L_{WA}	95	dB(A)
Annual energy consumption	QHe	36.304	kWh
Rated brine or water flow rate, evaporator		19,7	m^3/h
Contact details			
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Item	**Symbol**	**Value**	**Unit**
Seasonal space heating energy efficiency	η_S	**186,22**	**%**
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7°C	COP_d	4,19	-
Tj = +2°C	COP_d	5,28	-
Tj = +7°C	COP_d	5,22	-
Tj = +12°C	COP_d	4,53	-
Tj = -10°C (bivalent temperature)	COP_d	4,00	-
Tj = -10°C (operation limit temperature)	COP_d	4,00	-
Heating water operating limit temperature	WTOL	65	°C

Supplementary heater			
Rated heat output	Psup	0	W
Type of energy input		-	

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

Information requirements for heat pump space heaters and heat pump combination heaters according Reg. (EU) 813/2013 and DIN EN 14825:2018

Modell	**W011-E1W-22**
Air-to-water heat pump:	No
Water-to-water heat pump:	Yes
Brine-to-water heat pump:	No
Low-temperature heat pump:	Yes
Equipped with a supplementary heater:	No
Heat pump combination heater:	No

Parameters are declared for applications with:	low-temperature (35°C)
	average climate

Item	**Symbol**	**Value**	**Unit**
Rated heat output	**P_{rated}**	**108,30**	**kW**
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7°C	P_{dh}	93	kW
Tj = +2°C	P_{dh}	56	kW
Tj = +7°C	P_{dh}	36	kW
Tj = +12°C	P_{dh}	32	kW
Tj = -10°C (bivalent temperature)	P_{dh}	108	kW
Tj = -10°C (operation limit temperature)	P_{dh}	108	kW
Bivalent temperature	T_{biv}	-10	°C
Degradation coefficient*	C_{dh}	0,90	-
Power consumption in modes other than active mode			
Off mode	P_{off}	-	kW
Thermostat-off mode	P_{TO}	1,82	kW
Standby mode	P_{SB}	0,00	kW
Crankcase heater mode	P_{CK}	-	kW
Sonstige Elemente			
Capacity control		staged	
Sound power level	L_{WA}	95	dB(A)
Annual energy consumption	QHe	42.031	kWh
Rated brine or water flow rate, evaporator		25,2	m^3/h
Contact details			
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Item	**Symbol**	**Value**	**Unit**
Seasonal space heating energy efficiency	**η_S**	**204,89**	**%**
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7°C	COP_d	5,02	-
Tj = +2°C	COP_d	5,73	-
Tj = +7°C	COP_d	5,19	-
Tj = +12°C	COP_d	5,32	-
Tj = -10°C (bivalent temperature)	COP_d	4,74	-
Tj = -10°C (operation limit temperature)	COP_d	4,74	-
Heating water operating limit temperature	WTOL	65	°C

Supplementary heater			
Rated heat output	Psup	0	W
Type of energy input		-	

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

Information requirements for heat pump space heaters and heat pump combination heaters according Reg. (EU) 813/2013 and DIN EN 14825:2018

Modell	**W011-F1W-22**
Air-to-water heat pump:	No
Water-to-water heat pump:	Yes
Brine-to-water heat pump:	No
Low-temperature heat pump:	Yes
Equipped with a supplementary heater:	No
Heat pump combination heater:	No

Parameters are declared for applications with:	low-temperature (35°C)
	average climate

Item	**Symbol**	**Value**	**Unit**
Rated heat output	**P_{rated}**	**119,33**	**kW**
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7°C	P_{dh}	103	kW
Tj = +2°C	P_{dh}	60	kW
Tj = +7°C	P_{dh}	39	kW
Tj = +12°C	P_{dh}	32	kW
Tj = -10°C (bivalent temperature)	P_{dh}	119	kW
Tj = -10°C (operation limit temperature)	P_{dh}	119	kW
Bivalent temperature	T_{biv}	-10	°C
Degradation coefficient*	C_{dh}	0,90	-
Power consumption in modes other than active mode			
Off mode	P_{off}	-	kW
Thermostat-off mode	P_{TO}	1,89	kW
Standby mode	P_{SB}	0,00	kW
Crankcase heater mode	P_{CK}	-	kW
Sonstige Elemente			
Capacity control		staged	
Sound power level	L_{WA}	95	dB(A)
Annual energy consumption	QHe	49.899	kWh
Rated brine or water flow rate, evaporator		27,7	m^3/h
Contact details			
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Item	**Symbol**	**Value**	**Unit**
Seasonal space heating energy efficiency	**η_S**	**189,59**	**%**
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7°C	COP_d	4,76	-
Tj = +2°C	COP_d	5,28	-
Tj = +7°C	COP_d	4,74	-
Tj = +12°C	COP_d	5,01	-
Tj = -10°C (bivalent temperature)	COP_d	4,52	-
Tj = -10°C (operation limit temperature)	COP_d	4,52	-
Heating water operating limit temperature	WTOL	65	°C

Supplementary heater			
Rated heat output	Psup	0	W
Type of energy input		-	

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

Information requirements for heat pump space heaters and heat pump combination heaters according Reg. (EU) 813/2013 and DIN EN 14825:2018

Modell	**W013-G1X-33**
Air-to-water heat pump:	No
Water-to-water heat pump:	Yes
Brine-to-water heat pump:	No
Low-temperature heat pump:	Yes
Equipped with a supplementary heater:	No
Heat pump combination heater:	No

Parameters are declared for applications with:	low-temperature (35°C)
	average climate

Item	**Symbol**	**Value**	**Unit**
Rated heat output	**P_{rated}**	**147,34**	**kW**
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7°C	P_{dh}	128	kW
Tj = +2°C	P_{dh}	76	kW
Tj = +7°C	P_{dh}	49	kW
Tj = +12°C	P_{dh}	36	kW
Tj = -10°C (bivalent temperature)	P_{dh}	147	kW
Tj = -10°C (operation limit temperature)	P_{dh}	147	kW
Bivalent temperature	T_{biv}	-10	°C
Degradation coefficient*	C_{dh}	0,90	-
Power consumption in modes other than active mode			
Off mode	P_{off}	-	kW
Thermostat-off mode	P_{TO}	2,00	kW
Standby mode	P_{SB}	0,00	kW
Crankcase heater mode	P_{CK}	-	kW
Sonstige Elemente			
Capacity control		staged	
Sound power level	L_{WA}	95	dB(A)
Annual energy consumption	QHe	58.256	kWh
Rated brine or water flow rate, evaporator		34,9	m^3/h
Contact details			
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Item	**Symbol**	**Value**	**Unit**
Seasonal space heating energy efficiency	**η_S**	**200,97**	**%**
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7°C	COP_d	4,97	-
Tj = +2°C	COP_d	5,60	-
Tj = +7°C	COP_d	5,04	-
Tj = +12°C	COP_d	5,15	-
Tj = -10°C (bivalent temperature)	COP_d	4,74	-
Tj = -10°C (operation limit temperature)	COP_d	4,74	-
Heating water operating limit temperature	WTOL	65	°C

Supplementary heater			
Rated heat output	Psup	0	W
Type of energy input		-	

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

Information requirements for heat pump space heaters and heat pump combination heaters according Reg. (EU) 813/2013 and DIN EN 14825:2018

Modell	**W016-H1Y-44**
Air-to-water heat pump:	No
Water-to-water heat pump:	Yes
Brine-to-water heat pump:	No
Low-temperature heat pump:	Yes
Equipped with a supplementary heater:	No
Heat pump combination heater:	No

Parameters are declared for applications with:	low-temperature (35°C)
	average climate

Item	**Symbol**	**Value**	**Unit**
Rated heat output	P_{rated}	**179,34**	**kW**
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7°C	P_{dh}	155	kW
Tj = +2°C	P_{dh}	92	kW
Tj = +7°C	P_{dh}	59	kW
Tj = +12°C	P_{dh}	43	kW
Tj = -10°C (bivalent temperature)	P_{dh}	179	kW
Tj = -10°C (operation limit temperature)	P_{dh}	179	kW
Bivalent temperature	T_{biv}	-10	°C
Degradation coefficient*	C_{dh}	0,90	-
Power consumption in modes other than active mode			
Off mode	P_{off}	-	kW
Thermostat-off mode	P_{TO}	2,00	kW
Standby mode	P_{SB}	0,00	kW
Crankcase heater mode	P_{CK}	-	kW
Sonstige Elemente			
Capacity control		staged	
Sound power level	L_{WA}	95	dB(A)
Annual energy consumption	QHe	67.092	kWh
Rated brine or water flow rate, evaporator		42,3	m^3/h
Contact details			
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Item	**Symbol**	**Value**	**Unit**
Seasonal space heating energy efficiency	η_S	**212,87**	**%**
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7°C	COP_d	5,16	-
Tj = +2°C	COP_d	5,90	-
Tj = +7°C	COP_d	5,36	-
Tj = +12°C	COP_d	5,52	-
Tj = -10°C (bivalent temperature)	COP_d	4,92	-
Tj = -10°C (operation limit temperature)	COP_d	4,92	-
Heating water operating limit temperature	WTOL	65	°C

Supplementary heater			
Rated heat output	Psup	0	W
Type of energy input		-	

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