

VITOCAL 150-A

AWMIW.A1.19-V052, AWMOF-151.A1.04-230-V001, AWMOF-151.A1.06-230-V001, AWMOF-151.A1.08-230-V001, AWMOF-151.A1.10-230-V001, AWMOF-151.A1.10-400-V001, AWMOF-151.A1.13-230-V001, AWMOF-151.A1.13-400-V001, AWMOF-151.A1.16-230-V001, AWMOF-151.A1.16-400-V001

The product data specified meets the requirements of EU Regulations 811/2013 and 813/2013.

Product Data	Symbol	Unit	AWMIW.A 1.19-V052 ,AWMOF- 151.A1.04 -230-V001	AWMIW.A 1.19-V052 ,AWMOF- 151.A1.06 -230-V001	AWMIW.A 1.19-V052 ,AWMOF- 151.A1.08 -230-V001	AWMOF-1 51.A1.10- 230-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.13- 230-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.16- 230-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.10- 400-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.13- 400-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.16- 400-V001, AWMIW.A 1.19-V052
Seasonal space heating energy efficiency, medium-temperature application			A++	A++	A++	A++	A++	A++	A+++	A+++	A+++
Rated heat output, medium-temperature application, Average climate conditions	P _{rated}	kW	4	5	6	9	12	13	9	12	13
Supplementary heater Rated heat output, Average climate conditions	P _{sup}	kW	0,7	1	0,1	1,9	2,4	2,7	1,8	2,6	3
Seasonal space heating energy efficiency, medium-temperature application, Average climate conditions	η _s	%	127	141	141	145	141	141	156	155	150
Annual energy consumption	Q _{HE}	kWh	2395	2947	3558	5229	6944	7670	4870	6329	7225
sound power level indoors	L _{WA}	dB	40	40	40	40	40	40	40	40	40

For all special precautions to be taken during assembly, installation or maintenance of the space heater, see the service and installation instructions.

Product Data	Symbol	Unit	AWMIW.A 1.19-V052 ,AWMOF- 151.A1.04 -230-V001	AWMIW.A 1.19-V052 ,AWMOF- 151.A1.06 -230-V001	AWMIW.A 1.19-V052 ,AWMOF- 151.A1.08 -230-V001	AWMOF-1 51.A1.10- 230-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.13- 230-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.16- 230-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.10- 400-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.13- 400-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.16- 400-V001, AWMIW.A 1.19-V052
Rated heat output, medium-temperature application, Colder climate conditions	P _{rated}	kW	5	7	7	8	10	11	8	10	11
Rated heat output, medium-temperature application, Warmer climate conditions	P _{rated}	kW	2	2	4	5	7	8	5	7	8
Supplementary heater Rated heat output, Colder climate conditions	P _{sup}	kW	5,4	6,7	7,5	8	10,4	11,2	8	10,4	11,2
Supplementary heater Rated heat output, Warmer climate conditions	P _{sup}	kW	0	0	0	0	0	0	0	0	0
Seasonal space heating energy efficiency, medium-temperature application, Warmer climate conditions	η _s	%	146	153	166	168	173	175	168	173	175
Seasonal space heating energy efficiency, medium-temperature application, Colder climate conditions	η _s	%	122	119	121	127	118	117	127	118	117
Annual energy consumption, medium-temperature application, Warmer climate conditions	Q _{HE}	kWh	680	817	1159	1454	2007	2266	1454	2007	2266
Annual energy consumption, medium-temperature application, Colder climate conditions	Q _{HE}	kWh	4217	5435	5903	6050	8407	10386	6050	8407	10386
Sound power level, indoors	L _{WA}	dB	51	51	51	53	54	55	53	54	55



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The product data specified meets the requirements of EU Regulations 811/2013 and 813/2013.

Product Data	AWMIW.A 1.19-V052 ,AWMOF- 151.A1.04 -230-V001	AWMIW.A 1.19-V052 ,AWMOF- 151.A1.06 -230-V001	AWMIW.A 1.19-V052 ,AWMOF- 151.A1.08 -230-V001	AWMOF-1 51.A1.10- 230-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.13- 230-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.16- 230-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.10- 400-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.13- 400-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.16- 400-V001, AWMIW.A 1.19-V052
Operating mode	Air/Water	Air/Water	Air/Water	Air/Water	Air/Water	Air/Water	Air/Water	Air/Water	Air/Water
Equipped with an auxiliary heating appliance?	yes	yes	yes	yes	yes	yes	yes	yes	yes
Heat pump combination heater	no	no	no	no	no	no	no	no	no
Seasonal space heating energy efficiency, medium-temperature application	A++	A++	A++	A++	A++	A++	A+++	A+++	A+++
Seasonal space heating energy efficiency, Low-temperature application	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++
Water heating energy efficiency classes	-	-	-	-	-	-	-	-	-

Product Data	Symbol	Unit	AWMIW.A 1.19-V052 ,AWMOF- 151.A1.04 -230-V001	AWMIW.A 1.19-V052 ,AWMOF- 151.A1.06 -230-V001	AWMIW.A 1.19-V052 ,AWMOF- 151.A1.08 -230-V001	AWMOF-1 51.A1.10- 230-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.13- 230-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.16- 230-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.10- 400-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.13- 400-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.16- 400-V001, AWMIW.A 1.19-V052
Rated heat output, medium-temperature application, Average climate conditions	P _{rated}	kW	4	5	6	9	12	13	9	12	13
Rated heat output, medium-temperature application, Colder climate conditions	P _{rated}	kW	5	7	7	8	10	11	8	10	11
Rated heat output, medium-temperature application, Warmer climate conditions	P _{rated}	kW	2	2	4	5	7	8	5	7	8
Rated heat output, Low-temperature application, Average climate conditions	P _{rated}	kW	4	5	6	10	12	14	10	12	14
Rated heat output, Low-temperature application, Colder climate conditions	P _{rated}	kW	6	7	8	8	11	12	8	11	12
Rated heat output, Low-temperature application, Warmer climate conditions	P _{rated}	kW	2	3	4	5	7	8	5	7	8
Seasonal space heating energy efficiency, medium-temperature application, Average climate conditions	η _s	%	127	141	141	145	141	141	156	155	150
seasonal coefficient of performance, medium-temperature application, Average climate conditions	SCOP		3,25	3,61	3,6	3,7	3,54	3,6	3,97	3,95	3,82
Seasonal space heating energy efficiency, medium-temperature application, Colder climate conditions	η _s	%	122	119	121	127	118	117	127	118	117
Seasonal space heating energy efficiency, medium-temperature application, Warmer climate conditions	η _s	%	146	153	166	168	173	175	168	173	175
Seasonal space heating energy efficiency, Low-temperature application, Average climate conditions	η _s	%	176	180	175	190	178	178	199	194	188
seasonal coefficient of performance, Low-temperature application, Average climate conditions	SCOP		4,48	4,58	4,44	4,83	4,53	4,52	5,06	4,93	4,78
Seasonal space heating energy efficiency, Low-temperature application, Colder climate conditions	η _s	%	148	149	143	160	144	141	160	144	141
Seasonal space heating energy efficiency, Low-temperature application, Warmer climate conditions	η _s	%	216	220	238	239	239	239	239	239	239

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The product data specified meets the requirements of EU Regulations 811/2013 and 813/2013.

Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj	Symbol	Unit	AWMIW.A 1.19-V052 ,AWMOF- 151.A1.04 -230-V001	AWMIW.A 1.19-V052 ,AWMOF- 151.A1.06 -230-V001	AWMIW.A 1.19-V052 ,AWMOF- 151.A1.08 -230-V001	AWMOF-1 51.A1.10- 230-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.13- 230-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.16- 230-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.10- 400-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.13- 400-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.16- 400-V001, AWMIW.A 1.19-V052
Tj= -7°C, medium-temperature application, Average climate conditions	Pdh	kW	3,2	4,6	5,1	8,3	10,7	11,8	8,5	10,6	11,4
Tj= -7°C, medium-temperature application, Colder climate conditions	Pdh	kW	3,3	4	4,5	8,4	10,8	11,7	8,4	10,8	11,7
Tj= -7°C, medium-temperature application, Warmer climate conditions	Pdh	kW	-	-	-	-	-	-	-	-	-
Tj= -7°C, Low-temperature application, Average climate conditions	Pdh	kW	3,5	4,8	5,3	8,7	11	12	8,6	10,7	11,6
Tj= -7°C, Low-temperature application, Colder climate conditions	Pdh	kW	3,4	4,1	4,7	8,7	11	12,1	8,7	11	12,1
Tj= -7°C, Low-temperature application, Warmer climate conditions	Pdh	kW	-	-	-	-	-	-	-	-	-
Tj= +2°C, medium-temperature application, Average climate conditions	Pdh	kW	2	2,8	3	5,2	6,6	7,5	4,7	6,6	7,1
Tj= +2°C, medium-temperature application, Colder climate conditions	Pdh	kW	2	2,4	2,9	5,2	6,6	7,5	5,2	6,6	7,5
Tj= +2°C, medium-temperature application, Warmer climate conditions	Pdh	kW	1,9	2,4	3,7	4,7	6,6	7,6	4,7	6,6	7,6
Tj= +2°C, Low-temperature application, Average climate conditions	Pdh	kW	2,5	2,9	3,5	5,4	6,8	7,4	5,5	6,8	7,5
Tj= +2°C, Low-temperature application, Colder climate conditions	Pdh	kW	2,1	2,5	2,9	5,5	6,8	7,6	5,5	6,8	7,6
Tj= +2°C, Low-temperature application, Warmer climate conditions	Pdh	kW	2,3	2,8	3,8	5,3	6,7	7,5	5,3	6,7	7,5
Tj= +7°C, medium-temperature application, Average climate conditions	Pdh	kW	2,6	2,5	2	5,7	5,7	6,5	3,7	5,8	6,4
Tj= +7°C, medium-temperature application, Colder climate conditions	Pdh	kW	2,6	2,6	2,6	5,7	5,7	6,6	5,7	5,7	6,6
Tj= +7°C, medium-temperature application, Warmer climate conditions	Pdh	kW	2,3	2,3	2,3	5,2	5,2	6,1	5,2	5,2	6,1
Tj= +7°C, Low-temperature application, Average climate conditions	Pdh	kW	2,6	2,3	2,6	5,8	5,9	6,7	3,9	5,6	6,7
Tj= +7°C, Low-temperature application, Colder climate conditions	Pdh	kW	2,6	2,6	3,1	5,9	5,9	6,7	5,9	5,9	6,7
Tj= +7°C, Low-temperature application, Warmer climate conditions	Pdh	kW	2,6	2,6	2,6	5,7	5,7	6,6	5,7	5,7	6,6
Tj= +12°C, medium-temperature application, Average climate conditions	Pdh	kW	2,2	2,4	2,4	5,7	5,7	5,7	4,4	5,7	5,6
Tj= +12°C, medium-temperature application, Colder climate conditions	Pdh	kW	2,5	2,5	2,5	5,7	5,7	5,7	5,7	5,7	5,7
Tj= +12°C, medium-temperature application, Warmer climate conditions	Pdh	kW	2,4	2,4	2,4	5,5	5,5	5,6	5,5	5,5	5,6
Tj= +12°C, Low-temperature application, Average climate conditions	Pdh	kW	2,4	2,3	2,2	5,5	5,5	5,3	4,3	5,5	5,4
Tj= +12°C, Low-temperature application, Colder climate conditions	Pdh	kW	2,3	2,3	2,9	5,6	5,6	5,4	5,6	5,6	5,4
Tj= +12°C, Low-temperature application, Warmer climate conditions	Pdh	kW	2,5	2,4	2,4	5,8	5,7	5,6	5,8	5,7	5,6
Tj= bivalent temperature, medium-temperature application, Average climate conditions	Pdh	kW	3,4	4,6	5	8,3	10,7	11,8	8,5	10,6	11,4
Tj= bivalent temperature, medium-temperature application, Colder climateconditions	Pdh	kW	3,5	4,4	4,9	6,5	8,4	9,1	6,5	8,4	9,1
Tj= bivalent temperature, medium-temperature application, Warmer climateconditions	Pdh	kW	1,9	2,4	3,7	4,7	6,6	7,6	4,7	6,6	7,6

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The product data specified meets the requirements of EU Regulations 811/2013 and 813/2013.

Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T _j	Symbol	Unit	AWMIW.A 1.19-V052 ,AWMOF- 151.A1.04 -230-V001	AWMIW.A 1.19-V052 ,AWMOF- 151.A1.06 -230-V001	AWMIW.A 1.19-V052 ,AWMOF- 151.A1.08 -230-V001	AWMOF-1 51.A1.10- 230-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.13- 230-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.16- 230-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.10- 400-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.13- 400-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.16- 400-V001, AWMIW.A 1.19-V052
T _j = bivalent temperature, Low-temperature application, Average climate conditions	P _{dh}	kW	3,7	4,8	5,5	8,7	11	12,1	8,6	10,7	11,6
T _j = bivalent temperature, Low-temperature application, Colder climate conditions	P _{dh}	kW	3,7	4,5	5,1	6,9	8,8	9,7	6,9	8,8	9,7
T _j = bivalent temperature, Low-temperature application, Warmer climate conditions	P _{dh}	kW	2,3	2,8	3,8	5,3	6,7	7,5	5,3	6,7	7,5
T _j = operation limit temperature, medium-temperature application, Average climate conditions	P _{dh}	kW	3,1	4,1	6,1	7,5	9,7	10,7	7,6	9,5	10,4
T _j = operation limit temperature, medium-temperature application, Colder climate conditions	P _{dh}	kW	2,3	2,9	3,3	5,5	7,2	7,7	5,5	7,2	7,7
T _j = operation limit temperature, medium-temperature application, Warmer climate conditions	P _{dh}	kW	1,9	2,4	3,7	4,7	6,6	7,6	4,7	6,6	7,6
T _j = operation limit temperature, Low-temperature application, Average climate conditions	P _{dh}	kW	3,4	4,4	4,9	7,9	10,1	11,1	7,8	10	10,8
T _j = operation limit temperature, Low-temperature application, Colder climate conditions	P _{dh}	kW	2,6	3,3	3,6	6	7,7	8,4	6	7,7	8,4
T _j = operation limit temperature, Low-temperature application, Warmer climate conditions	P _{dh}	kW	2,3	2,8	3,8	5,3	6,7	7,5	5,3	6,7	7,5
For air-to-water heat pumps: T _j = -15°C (if TOL < -20°C)	P _{dh}	kW	-	-	-	-	-	-	-	-	-
bivalent temperature, medium-temperature application, Average climate conditions	T _{blv}	°C	-8	-7	-6	-7	-7	-7	-7	-7	-7
bivalent temperature, medium-temperature application, Colder climate conditions	T _{blv}	°C	-9	-9	-9	-15	-15	-15	-15	-15	-15
bivalent temperature, medium-temperature application, Warmer climate conditions	T _{blv}	°C	2	2	2	2	2	2	2	2	2
bivalent temperature, Low-temperature application, Average climate conditions	T _{blv}	°C	-8	-7	-6	-7	-7	-7	-7	-7	-7
bivalent temperature, Low-temperature application, Colder climate conditions	T _{blv}	°C	-9	-10	-9	-15	-15	-15	-15	-15	-15
bivalent temperature, Low-temperature application, Warmer climate conditions	T _{blv}	°C	2	2	2	2	2	2	2	2	2
Cycling interval capacity for heating, Average climate conditions	P _{cydh}	kW	-	-	-	-	-	-	-	-	-
Cycling interval capacity for heating, Colder climate conditions	P _{cydh}	kW	-	-	-	-	-	-	-	-	-
Cycling interval capacity for heating, Warmer climate conditions	P _{cydh}	kW	-	-	-	-	-	-	-	-	-
Degradation co-efficient medium-temperature application	C _{dh}		-	-	-	-	-	-	-	-	-
Degradation co-efficient Low-temperature application	C _{dh}		-	-	-	-	-	-	-	-	-

Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T _j	Symbol	Unit	AWMIW.A 1.19-V052 ,AWMOF- 151.A1.04 -230-V001	AWMIW.A 1.19-V052 ,AWMOF- 151.A1.06 -230-V001	AWMIW.A 1.19-V052 ,AWMOF- 151.A1.08 -230-V001	AWMOF-1 51.A1.10- 230-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.13- 230-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.16- 230-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.10- 400-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.13- 400-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.16- 400-V001, AWMIW.A 1.19-V052
T _j = -7°C, medium-temperature application, Average climate conditions	COP _d		2,2	2,3	2,3	2,4	2,3	2,3	2,5	2,4	2,3
T _j = -7°C, medium-temperature application, Colder climate conditions	COP _d		2,8	2,7	2,6	2,6	2,5	2,4	2,6	2,5	2,4

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T _J = -7°C, medium-temperature application, Warmer climate conditions	COP _d		-	-	-	-	-	-	-	-	-
T _J = -7°C, Low-temperature application, Average climate conditions	COP _d		3,1	3	3	3,1	3	2,9	3,3	3	2,9
T _J = -7°C, Low-temperature application, Colder climate conditions	COP _d		3,4	3,3	3,2	3,2	3	2,8	3,2	3	2,8
T _J = -7°C, Low-temperature application, Warmer climate conditions	COP _d		-	-	-	-	-	-	-	-	-
T _J = +2°C, medium-temperature application, Average climate conditions	COP _d		3,1	3,6	3,5	3,7	3,4	3,4	3,9	3,9	3,8
T _J = +2°C, medium-temperature application, Colder climate conditions	COP _d		4	4	4	4	3,6	3,5	4	3,6	3,5
T _J = +2°C, medium-temperature application, Warmer climate conditions	COP _d		2,5	2,6	2,7	2,7	2,8	2,8	2,7	2,8	2,8
T _J = +2°C, Low-temperature application, Average climate conditions	COP _d		4,3	4,6	4,2	4,8	4,3	4,3	5	4,9	4,8
T _J = +2°C, Low-temperature application, Colder climate conditions	COP _d		5	5	4,7	5	4,4	4,3	5	4,4	4,3
T _J = +2°C, Low-temperature application, Warmer climate conditions	COP _d		4,2	4,1	3,8	4,2	3,8	3,8	4,2	3,8	3,8
T _J = +7°C, medium-temperature application, Average climate conditions	COP _d		4,1	4,7	4,7	4,6	4,8	4,8	5,1	5,2	5,1
T _J = +7°C, medium-temperature application, Colder climate conditions	COP _d		5,1	5,2	5,2	5	5	5	5	5	5
T _J = +7°C, medium-temperature application, Warmer climate conditions	COP _d		3,5	3,5	3,6	3,6	3,7	3,8	3,6	3,7	3,8
T _J = +7°C, Low-temperature application, Average climate conditions	COP _d		5,6	5,5	6,2	6	6,1	6,1	6,4	6,4	6,2
T _J = +7°C, Low-temperature application, Colder climate conditions	COP _d		6,3	6,3	6,4	6,2	6,2	6,1	6,2	6,2	6,1
T _J = +7°C, Low-temperature application, Warmer climate conditions	COP _d		5,4	5,3	5,6	5,3	5,4	5,4	5,3	5,4	5,4
T _J = +12°C, medium-temperature application, Average climate conditions	COP _d		6	5,6	6,4	5,7	5,7	5,7	4,4	5,7	5,6
T _J = +12°C, medium-temperature application, Colder climate conditions	COP _d		6,8	6,9	7,1	5,7	5,7	5,7	5,7	5,7	5,7
T _J = +12°C, medium-temperature application, Warmer climate conditions	COP _d		5,5	5,6	5,8	5,5	5,5	5,6	5,5	5,5	5,6
T _J = +12°C, Low-temperature application, Average climate conditions	COP _d		7,2	7,6	7,6	5,5	5,5	5,3	4,3	5,5	5,4
T _J = +12°C, Low-temperature application, Colder climate conditions	COP _d		7,6	7,6	7,8	5,6	5,6	5,4	5,6	5,6	5,4
T _J = +12°C, Low-temperature application, Warmer climate conditions	COP _d		7,7	7,7	7,9	5,8	5,7	5,6	5,8	5,7	5,6
T _J = bivalent temperature, medium-temperature application, Average climate conditions	COP _d		2,1	2,3	2,3	2,4	2,3	2,3	2,5	2,4	2,3
T _J = bivalent temperature, medium-temperature application, Colder climateconditions	COP _d		2,6	2,5	2,4	2,1	2	2	2,1	2	2
T _J = bivalent temperature, medium-temperature application, Warmer climateconditions	COP _d		2,5	2,6	2,7	2,7	2,8	2,8	2,7	2,8	2,8
T _J = bivalent temperature, Low-temperature application, Average climate conditions	COP _d		3	3	3,1	3,1	2,9	2,9	3,3	3	2,9
T _J = bivalent temperature, Low-temperature application, Colder climateconditions	COP _d		3,2	2,9	3	2,7	2,5	2,4	2,7	2,5	2,4

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AWMIW.A1.19-V052, AWMOF-151.A1.04-230-V001, AWMOF-151.A1.06-230-V001, AWMOF-151.A1.08-230-V001, AWMOF-151.A1.10-230-V001, AWMOF-151.A1.10-400-V001, AWMOF-151.A1.13-230-V001, AWMOF-151.A1.13-400-V001, AWMOF-151.A1.16-230-V001, AWMOF-151.A1.16-400-V001

The product data specified meets the requirements of EU Regulations 811/2013 and 813/2013.

Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T _j	Symbol	Unit	AWMIW.A 1.19-V052 ,AWMOF- 151.A1.04 -230-V001	AWMIW.A 1.19-V052 ,AWMOF- 151.A1.06 -230-V001	AWMIW.A 1.19-V052 ,AWMOF- 151.A1.08 -230-V001	AWMOF-1 51.A1.10- 230-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.13- 230-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.16- 230-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.10- 400-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.13- 400-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.16- 400-V001, AWMIW.A 1.19-V052
T _j = bivalent temperature, Low-temperature application, Warmer climate conditions	COP _d		4,2	4,1	3,8	4,2	3,8	3,8	4,2	3,8	3,8
T _j = operation limit temperature, medium-temperature application, Average climate conditions	COP _d		1,9	2,1	2	2,1	2,1	2,1	2,2	2,1	2,1
T _j = operation limit temperature, medium-temperature application, Colder climate conditions	COP _d		1,7	1,7	1,7	1,8	1,8	1,7	1,8	1,8	1,7
T _j = operation limit temperature, medium-temperature application, Warmer climate conditions	COP _d		2,5	2,6	2,7	2,7	2,8	2,8	2,7	2,8	2,8
T _j = operation limit temperature, Low-temperature application, Average climate conditions	COP _d		2,8	2,7	2,7	2,9	2,7	2,6	3	2,8	2,7
T _j = operation limit temperature, Low-temperature application, Colder climate conditions	COP _d		2,3	2,2	2,2	2,3	2,3	2,2	2,3	2,3	2,2
T _j = operation limit temperature, Low-temperature application, Warmer climate conditions	COP _d		4,2	4,1	3,8	4,2	3,8	3,8	4,2	3,8	3,8
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, medium-temperature application, Average climate conditions	TOL	°C	-10	-10	-10	-10	-10	-10	-10	-10	-10
For air-to-water heat pumps: operation limit temperature, Low-temperature application, Average climate conditions	TOL	°C	-10	-10	-10	-10	-10	-10	-10	-10	-10
Cycling interval efficiency, Average climate conditions	COP _{cyc}		-	-	-	-	-	-	-	-	-
Cycling interval efficiency, Colder climate conditions	COP _{cyc}		-	-	-	-	-	-	-	-	-
Cycling interval efficiency, Warmer climate conditions	COP _{cyc}		-	-	-	-	-	-	-	-	-
Heating water operating limit temperature	WTOL	°C	70	70	70	70	70	70	70	70	70

Power consumption in operating modes other than the operating state	Symbol	Unit	AWMIW.A 1.19-V052 ,AWMOF- 151.A1.04 -230-V001	AWMIW.A 1.19-V052 ,AWMOF- 151.A1.06 -230-V001	AWMIW.A 1.19-V052 ,AWMOF- 151.A1.08 -230-V001	AWMOF-1 51.A1.10- 230-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.13- 230-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.16- 230-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.10- 400-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.13- 400-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.16- 400-V001, AWMIW.A 1.19-V052
Power consumption in modes other than active mode Off mode	P _{OFF}	kW	0	0	0,008	0	0	0	0	0	0
Power consumption in modes other than active mode Thermostat-off mode	P _{TO}	kW	0,01	0,01	0,033	0,014	0,014	0,014	0,014	0,014	0,014
Power consumption in modes other than active mode Standby mode	P _{SB}	kW	0,02	0,02	0,012	0,016	0,016	0,016	0,016	0,016	0,016
Power consumption in modes other than active mode Crankcase heater mode	P _{CK}	kW	0	0	0	0	0	0	0	0	0

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AWMIW.A1.19-V052, AWMOF-151.A1.04-230-V001, AWMOF-151.A1.06-230-V001, AWMOF-151.A1.08-230-V001, AWMOF-151.A1.10-230-V001, AWMOF-151.A1.10-400-V001, AWMOF-151.A1.13-230-V001, AWMOF-151.A1.13-400-V001, AWMOF-151.A1.16-230-V001, AWMOF-151.A1.16-400-V001

The product data specified meets the requirements of EU Regulations 811/2013 and 813/2013.

Auxiliary heating appliances	Symbol	Unit	AWMIW.A 1.19-V052 ,AWMOF- 151.A1.04 -230-V001	AWMIW.A 1.19-V052 ,AWMOF- 151.A1.06 -230-V001	AWMIW.A 1.19-V052 ,AWMOF- 151.A1.08 -230-V001	AWMOF-1 51.A1.10- 230-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.13- 230-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.16- 230-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.10- 400-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.13- 400-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.16- 400-V001, AWMIW.A 1.19-V052
Supplementary heater Rated heat output, Average climate conditions	P _{sup}	kW	0,7	1	0,1	1,9	2,4	2,7	1,8	2,6	3
Type of energy input			electric	electric	electric	electric	electric	electric	electric	electric	electric

Other details	Symbol	Unit	AWMIW.A 1.19-V052 ,AWMOF- 151.A1.04 -230-V001	AWMIW.A 1.19-V052 ,AWMOF- 151.A1.06 -230-V001	AWMIW.A 1.19-V052 ,AWMOF- 151.A1.08 -230-V001	AWMOF-1 51.A1.10- 230-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.13- 230-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.16- 230-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.10- 400-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.13- 400-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.16- 400-V001, AWMIW.A 1.19-V052
Capacity control			variable	variable	variable	variable	variable	variable	variable	variable	variable
sound power level indoors	L _{WA}	dB	40	40	40	40	40	40	40	40	40
Sound power level, indoors	L _{WA}	dB	51	51	51	53	54	55	53	54	55
Annual energy consumption	Q _{HE}	kWh	2395	2947	3558	5229	6944	7670	4870	6329	7225
Annual energy consumption, medium-temperature application, Colder climate conditions	Q _{HE}	kWh	4217	5435	5903	6050	8407	10386	6050	8407	10386
Annual energy consumption, medium-temperature application, Warmer climate conditions	Q _{HE}	kWh	680	817	1159	1454	2007	2266	1454	2007	2266
Annual energy consumption, Low-temperature application, Average climate conditions	Q _{HE}	kWh	1883	2461	3012	4129	5672	6242	4000	5209	5914
Annual energy consumption, medium-temperature application, Colder climate conditions	Q _{HE}	kWh	3662	4229	5174	5126	7252	8080	5126	7252	8080
Annual energy consumption, medium-temperature application, Warmer climate conditions	Q _{HE}	kWh	573	663	849	1165	1518	1662	1165	1518	1662
For air-to-water heat pumps: Rated air flow rate, outdoors		m³/h	1813	1954	2125	4045	4188	5393	4045	4188	5393
For water- or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger, medium-temperature application		m³/h	-	-	-	-	-	-	-	-	-
For water- or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger, Low-temperature application		m³/h	-	-	-	-	-	-	-	-	-

For combination heaters with heat pump	Symbol	Unit	AWMIW.A 1.19-V052 ,AWMOF- 151.A1.04 -230-V001	AWMIW.A 1.19-V052 ,AWMOF- 151.A1.06 -230-V001	AWMIW.A 1.19-V052 ,AWMOF- 151.A1.08 -230-V001	AWMOF-1 51.A1.10- 230-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.13- 230-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.16- 230-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.10- 400-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.13- 400-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.16- 400-V001, AWMIW.A 1.19-V052
Declared load profile			-	-	-	-	-	-	-	-	-
Daily electricity consumption, Average climate conditions	Q _{elec}	kWh	-	-	-	-	-	-	-	-	-
Daily electricity consumption, Colder climate conditions	Q _{elec}	kWh	-	-	-	-	-	-	-	-	-
Daily electricity consumption, Warmer climate conditions	Q _{elec}	kWh	-	-	-	-	-	-	-	-	-

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AWMIW.A1.19-V052, AWMOF-151.A1.04-230-V001, AWMOF-151.A1.06-230-V001, AWMOF-151.A1.08-230-V001, AWMOF-151.A1.10-230-V001, AWMOF-151.A1.10-400-V001, AWMOF-151.A1.13-230-V001, AWMOF-151.A1.13-400-V001, AWMOF-151.A1.16-230-V001, AWMOF-151.A1.16-400-V001

The product data specified meets the requirements of EU Regulations 811/2013 and 813/2013.

For combination heaters with heat pump	Symbol	Unit	AWMIW.A 1.19-V052 ,AWMOF- 151.A1.04 -230-V001	AWMIW.A 1.19-V052 ,AWMOF- 151.A1.06 -230-V001	AWMIW.A 1.19-V052 ,AWMOF- 151.A1.08 -230-V001	AWMOF-1 51.A1.10- 230-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.13- 230-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.16- 230-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.10- 400-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.13- 400-V001, AWMIW.A 1.19-V052	AWMOF-1 51.A1.16- 400-V001, AWMIW.A 1.19-V052
Annual electricity consumption	AEC	kWh	-	-	-	-	-	-	-	-	-
Annual electricity consumption, Colder climate conditions	AEC	kWh	-	-	-	-	-	-	-	-	-
Annual electricity consumption, Warmer climate conditions	AEC	kWh	-	-	-	-	-	-	-	-	-
Water heating energy efficiency, Average climate conditions	η_{wh}	%	-	-	-	-	-	-	-	-	-
Water heating energy efficiency, Colder climate conditions	η_{wh}	%	-	-	-	-	-	-	-	-	-
Water heating energy efficiency, Warmer climate conditions	η_{wh}	%	-	-	-	-	-	-	-	-	-

The product data specified meets the requirements of EU Regulations 811/2013.

Criterion	Energy efficiency category, temperature controller	Contribution, central heating energy efficiency
• Room thermostat which switches the heat source on/off	1	1 %
• Weather-compensated control • Modulating heat source	2	2 %
• Weather-compensated control • Non-modulating heat source	3	1,5 %
• Room thermostat with TPI (Time Proportional Integral) properties • Non-modulating heat source	4	2 %
• Modulating room thermostat • Modulating heat source	5	3 %
• Weather compensation, control unit • Modulating heat source • Room temperature sensor in conjunction with room hook-up	6	4 %
• Weather compensation, control unit • Non-modulating heat source • Room temperature sensor in conjunction with room hook-up	7	3,5 %
• Individual room control with min. 3 room temperature sensors • Modulating heat source	8	5 %