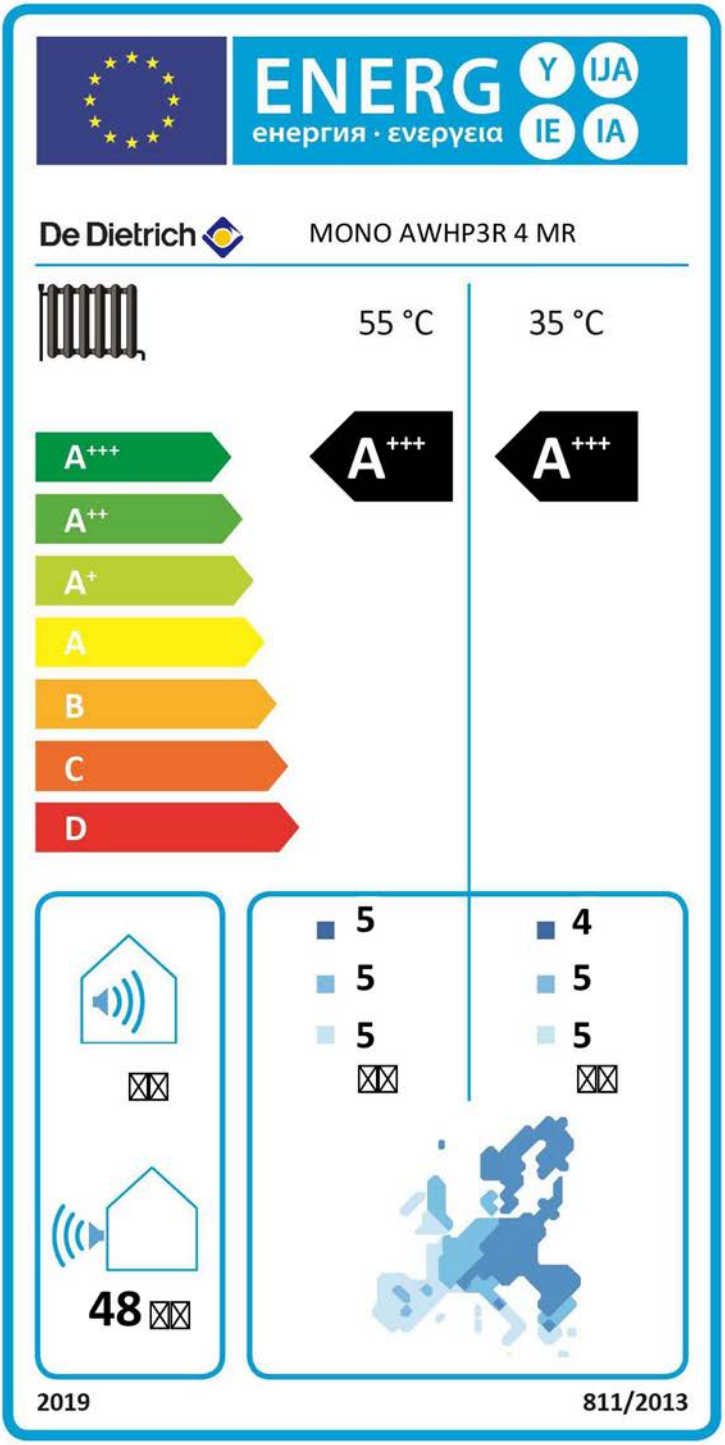
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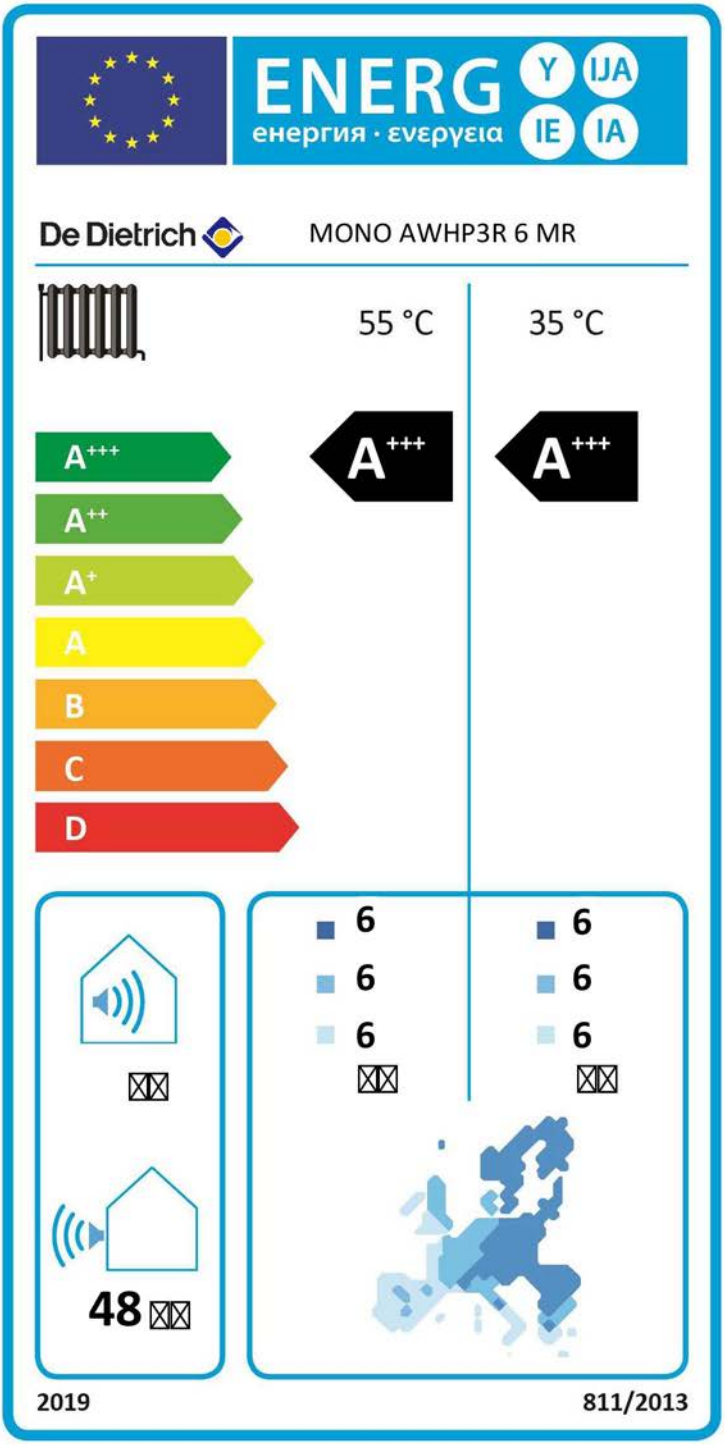
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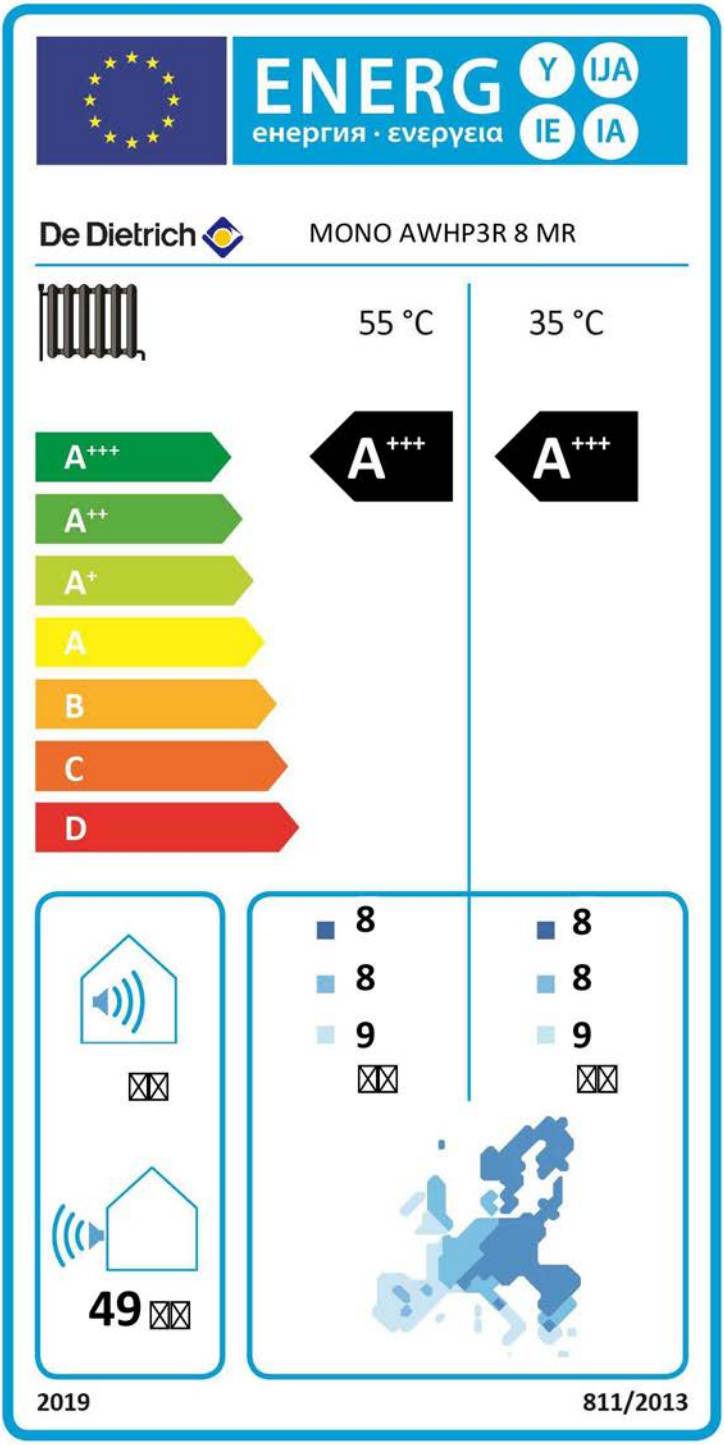
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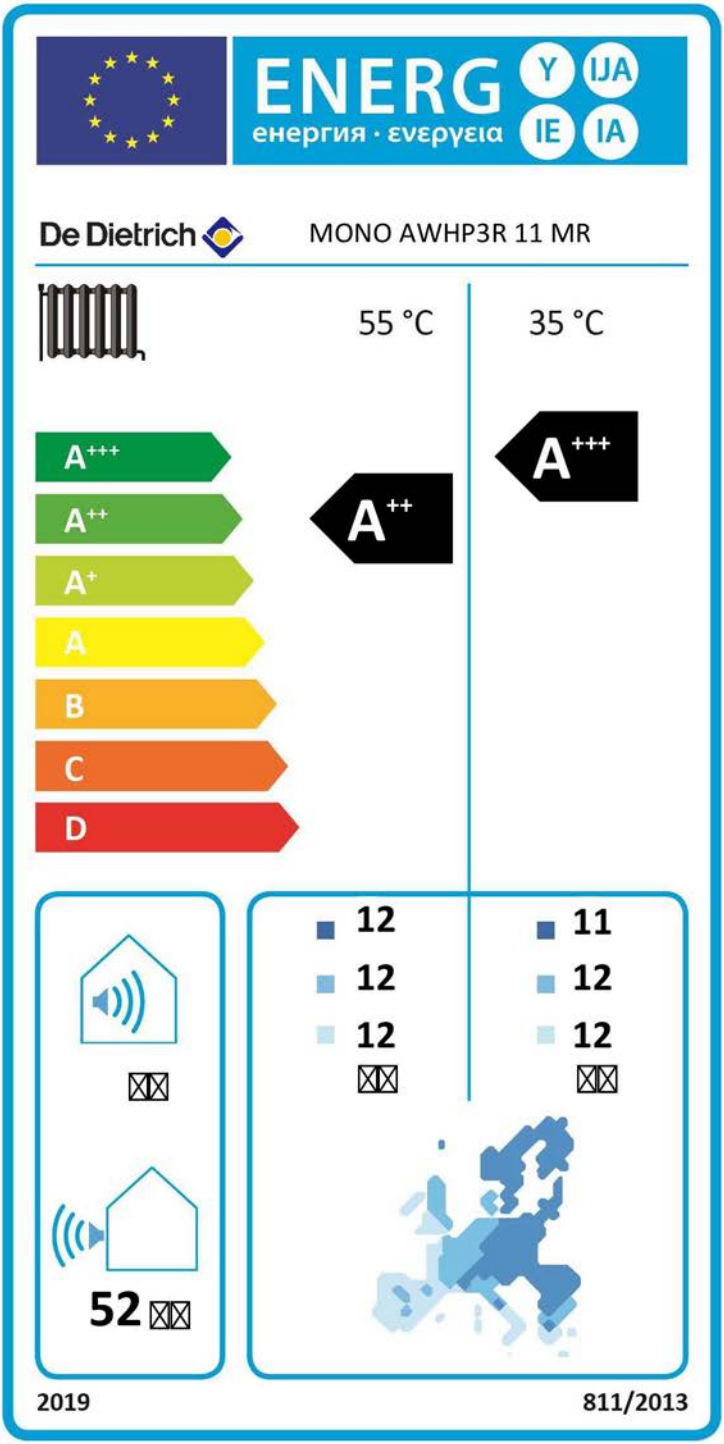
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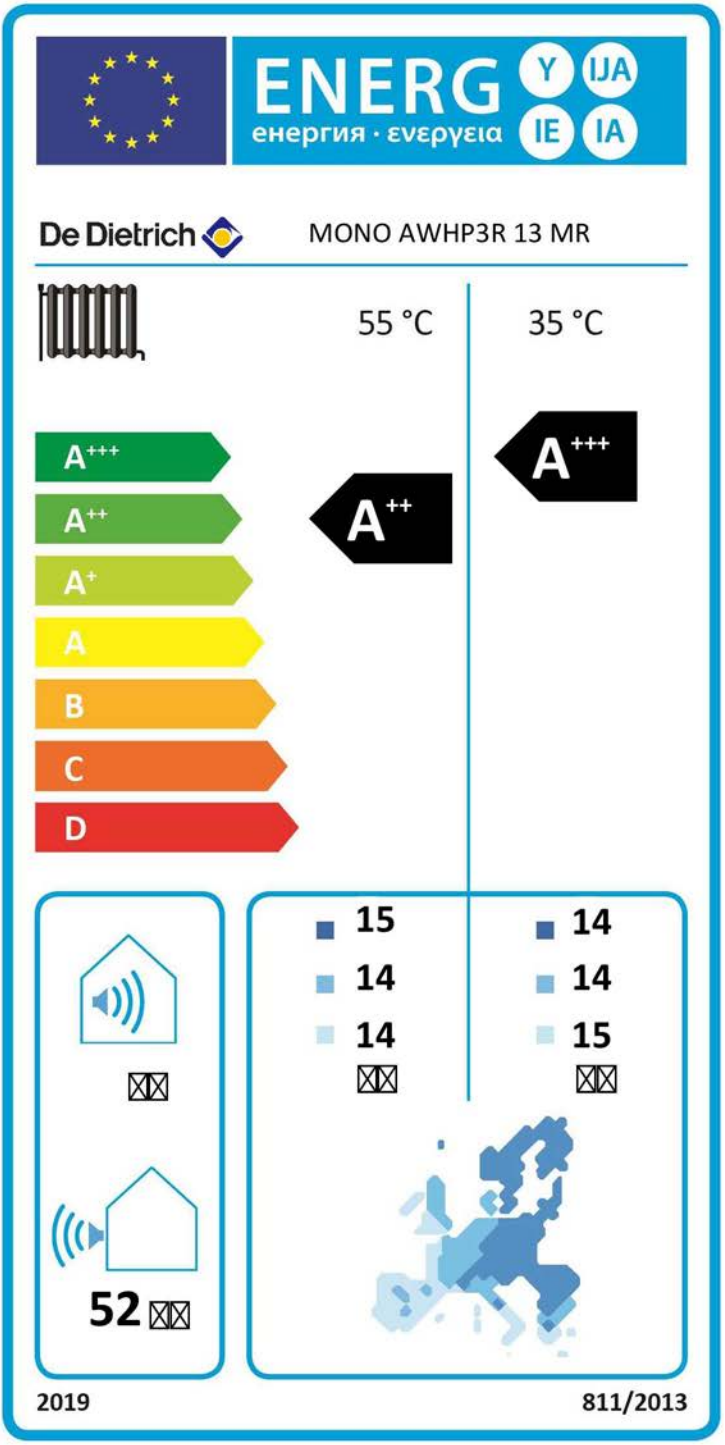
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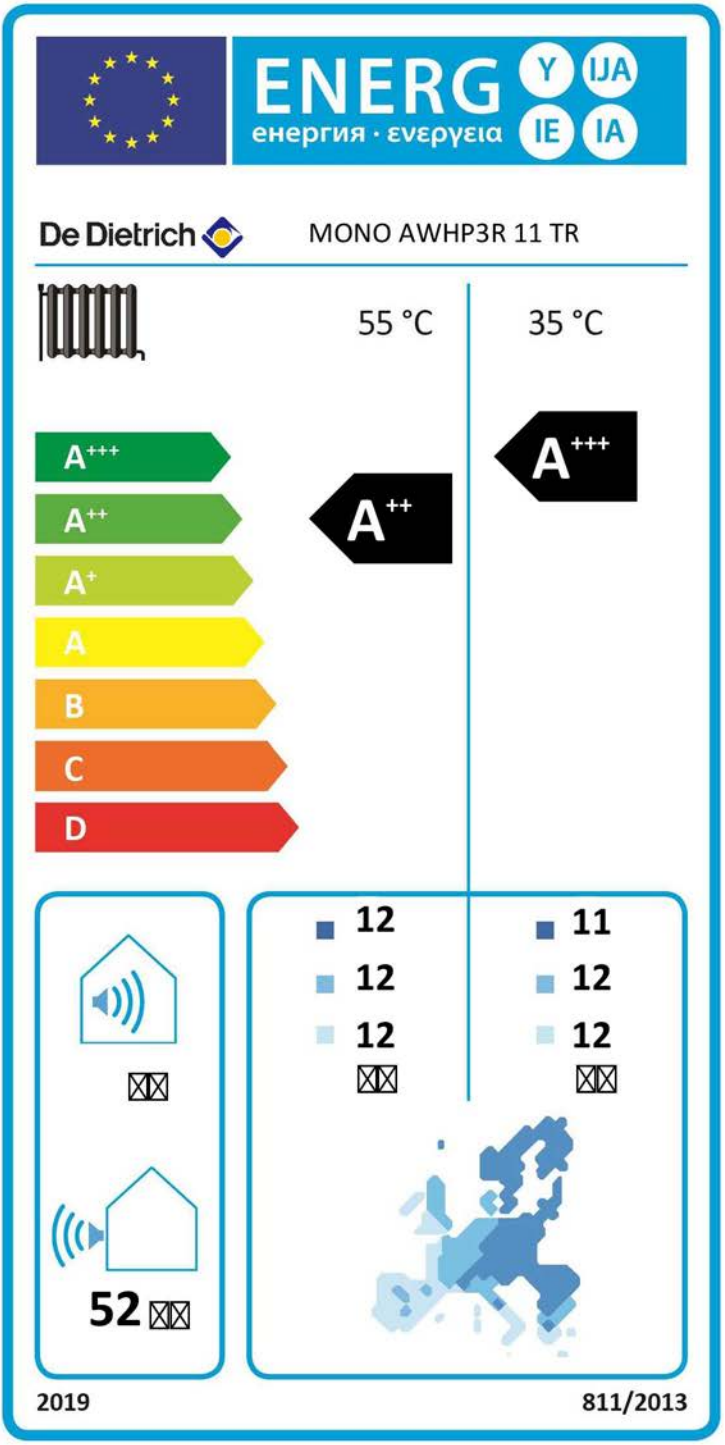
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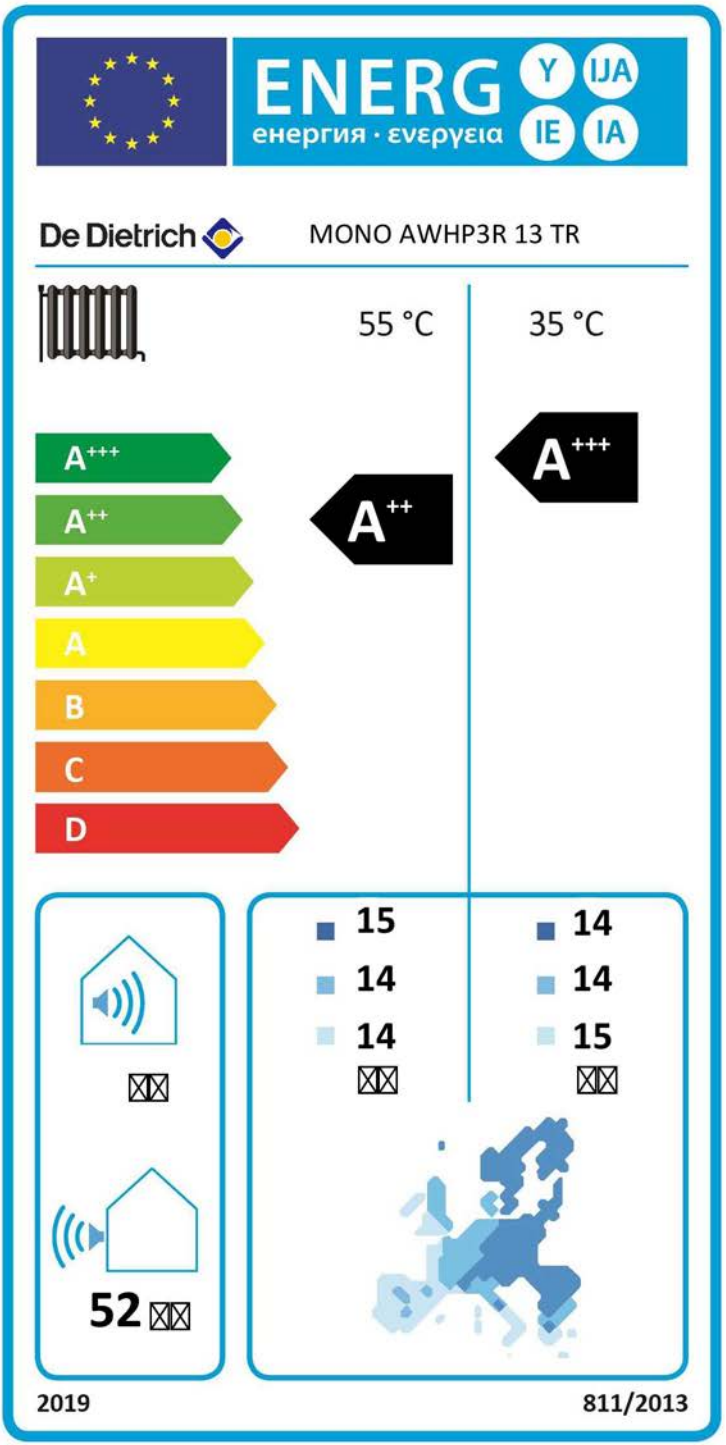
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Subtype MONO AWHP3R 4/6	
Certificate Holder	BDR Thermea FR (DE DIETRICH)
Address	57 rue de la Gare
ZIP	67580
City	Mertzwiller
Country	FR
Certification Body	ICIM S.p.A.
Subtype title	MONO AWHP3R 4/6
Registration number	ICIM-PDC-000314
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	0.7 kg
Certification Date	12.02.2025
Testing basis	V12

Model MONO AWHP3R 4 MR	
Model name	MONO AWHP3R 4 MR
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data	
Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water	

EN 14511-4 | Heating	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2 | Heating	Low temperature	Medium temperature
Heat output	4.40 kW	4.40 kW
El input	0.85 kW	1.36 kW
COP	5.17	3.24

EN 14825 | Average Climate	Low temperature	Medium temperature
ηs	210.4 %	156.7 %
Prated	5.30 kW	4.90 kW
SCOP	5.34	3.99
Tbiv	-7.00 °C	-7.00 °C
TOL	-10.00 °C	-10.00 °C
Pdh Tj = -7°C	4.64 kW	4.42 kW
COP Tj = -7°C	3.40	2.59
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	2.89 kW	2.72 kW
COP Tj = +2°C	5.29	3.94
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	2.73 kW	2.55 kW
COP Tj = +7°C	6.74	4.94
Cdh Tj = +7 °C	0.98	1.00
Pdh Tj = 12°C	3.14 kW	3.01 kW
COP Tj = 12°C	8.54	6.44

Cdh Tj = +12 °C	0.97	0.98
Pdh Tj = Tbiv	4.64 kW	4.42 kW
COP Tj = Tbiv	3.40	2.59
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.30 kW	4.80 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.01	2.27
WTOL	75.00 °C	75.00 °C
Poff	8.70 W	8.70 W
PTO	10.00 W	10.00 W
PSB	8.70 W	8.70 W
PCK	0.00 W	0.00 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.10 kW
Annual energy consumption Qhe	2052 kWh	2535 kWh

EN 12102-1 | Warmer Climate		
	Low temperature	Medium temperature
Sound power level outdoor	48 dB(A)	48 dB(A)

Model MONO AWHP3R 6 MR	
Model name	MONO AWHP3R 6 MR
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data	
Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water	
EN 14511-4 | Heating	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2 | Heating	Low temperature	Medium temperature
Heat output	6.26 kW	6.10 kW
El input	1.28 kW	1.91 kW
COP	4.89	3.20

EN 14825 | Average Climate	Low temperature	Medium temperature
ηs	205.8 %	152.9 %
Prated	6.40 kW	6.10 kW
SCOP	5.22	3.90
Tbiv	-7.00 °C	-7.00 °C
TOL	-10.00 °C	-10.00 °C
Pdh Tj = -7°C	5.63 kW	5.40 kW
COP Tj = -7°C	3.04	2.40
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	3.70 kW	3.13 kW
COP Tj = +2°C	5.20	3.79
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	2.74 kW	2.58 kW
COP Tj = +7°C	6.95	5.15
Cdh Tj = +7 °C	0.98	1.00
Pdh Tj = 12°C	3.14 kW	3.02 kW
COP Tj = 12°C	8.64	6.53

Cdh Tj = +12 °C	0.97	0.98
Pdh Tj = Tbiv	5.63 kW	5.40 kW
COP Tj = Tbiv	3.04	2.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.76 kW	5.37 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.00	2.25
WTOL	75.00 °C	75.00 °C
Poff	8.70 W	8.70 W
PTO	10.00 W	10.00 W
PSB	8.70 W	8.70 W
PCK	0.00 W	0.00 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.64 kW	0.73 kW
Annual energy consumption Qhe	2533 kWh	3233 kWh

EN 12102-1 | Warmer Climate		
	Low temperature	Medium temperature
Sound power level outdoor	48 dB(A)	48 dB(A)

Subtype MONO AWHP3R 8	
Certificate Holder	BDR Thermea FR (DE DIETRICH)
Address	57 rue de la Gare
ZIP	67580
City	Mertzwiller
Country	FR
Certification Body	ICIM S.p.A.
Subtype title	MONO AWHP3R 8
Registration number	ICIM-PDC-000315
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	1.1 kg
Certification Date	12.02.2025
Testing basis	V12

Model MONO AWHP3R 8 MR	
Model name	MONO AWHP3R 8 MR
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data	
Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water	
EN 14511-4 | Heating	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2 | Heating		
	Low temperature	Medium temperature
Heat output	8.50 kW	8.00 kW
El input	1.71 kW	2.52 kW
COP	4.98	3.18

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	205.1 %	152.7 %
Prated	8.00 kW	7.80 kW
SCOP	5.20	3.89
Tbiv	-7.00 °C	-7.00 °C
TOL	-10.00 °C	-10.00 °C
Pdh Tj = -7°C	7.39 kW	6.95 kW
COP Tj = -7°C	3.11	2.36
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	4.27 kW	4.09 kW
COP Tj = +2°C	5.12	3.83
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	3.66 kW	3.47 kW
COP Tj = +7°C	6.85	5.05
Cdh Tj = +7 °C	0.98	0.99
Pdh Tj = 12°C	4.33 kW	4.03 kW
COP Tj = 12°C	8.90	6.41

Cdh Tj = +12 °C	0.98	0.99
Pdh Tj = Tbiv	7.39 kW	6.95 kW
COP Tj = Tbiv	3.11	2.36
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.00 kW	7.71 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.59	2.02
WTOL	75.00 °C	75.00 °C
Poff	8.90 W	8.90 W
PTO	9.00 W	9.00 W
PSB	8.90 W	8.90 W
PCK	0.00 W	0.00 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.09 kW
Annual energy consumption Qhe	3176 kWh	4140 kWh

EN 12102-1 | Warmer Climate		
	Low temperature	Medium temperature
Sound power level outdoor	49 dB(A)	49 dB(A)

Subtype MONO AWHP3R 11/13	
Certificate Holder	BDR Thermea FR (DE DIETRICH)
Address	57 rue de la Gare
ZIP	67580
City	Mertzwiller
Country	FR
Certification Body	ICIM S.p.A.
Subtype title	MONO AWHP3R 11/13
Registration number	ICIM-PDC-000316
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	1.25 kg
Certification Date	12.02.2025
Testing basis	V12

Model MONO AWHP3R 11 MR	
Model name	MONO AWHP3R 11 MR
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data	
Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water

EN 14511-4 | Heating	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2 | Heating	Low temperature	Medium temperature
Heat output	11.50 kW	11.50 kW
El input	2.37 kW	3.65 kW
COP	4.85	3.15

EN 14825 | Average Climate	Low temperature	Medium temperature
ηs	187.8 %	147.1 %
Prated	12.10 kW	12.10 kW
SCOP	4.77	3.75
Tbiv	-7.00 °C	-7.00 °C
TOL	-10.00 °C	-10.00 °C
Pdh Tj = -7°C	10.68 kW	10.88 kW
COP Tj = -7°C	2.80	2.27
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	6.69 kW	6.56 kW
COP Tj = +2°C	4.55	3.63
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	5.30 kW	4.78 kW
COP Tj = +7°C	6.98	4.99
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	5.34 kW	5.83 kW
COP Tj = 12°C	7.70	6.55

Cdh Tj = +12 °C	0.98	0.99
Pdh Tj = Tbiv	10.68 kW	10.88 kW
COP Tj = Tbiv	2.80	2.27
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.66 kW	10.71 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.61	2.15
WTOL	75.00 °C	75.00 °C
Poff	10.10 W	10.10 W
PTO	15.00 W	15.00 W
PSB	10.10 W	10.10 W
PCK	0.00 W	0.00 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.44 kW	1.39 kW
Annual energy consumption Qhe	5240 kWh	6662 kWh

EN 12102-1 | Warmer Climate		
	Low temperature	Medium temperature
Sound power level outdoor	52 dB(A)	52 dB(A)

Model MONO AWHP3R 13 MR	
Model name	MONO AWHP3R 13 MR
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data	
Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water

EN 14511-4 | Heating	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2 | Heating	Low temperature	Medium temperature
Heat output	13.50 kW	13.50 kW
El input	2.93 kW	4.44 kW
COP	4.60	3.04

EN 14825 | Average Climate	Low temperature	Medium temperature
ηs	184.9 %	146.2 %
Prated	13.70 kW	13.70 kW
SCOP	4.70	3.73
Tbiv	-7.00 °C	-7.00 °C
TOL	-10.00 °C	-10.00 °C
Pdh Tj = -7°C	12.03 kW	11.87 kW
COP Tj = -7°C	2.70	2.22
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	7.38 kW	7.37 kW
COP Tj = +2°C	4.46	3.56
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	5.24 kW	4.87 kW
COP Tj = +7°C	7.02	5.21
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	5.28 kW	5.83 kW
COP Tj = 12°C	7.71	6.55

Cdh Tj = +12 °C	0.99	0.99
Pdh Tj = Tbiv	12.03 kW	11.87 kW
COP Tj = Tbiv	2.70	2.22
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.45 kW	11.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.54	2.07
WTOL	75.00 °C	75.00 °C
Poff	10.10 W	10.10 W
PTO	15.00 W	15.00 W
PSB	10.10 W	10.10 W
PCK	0.00 W	0.00 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.25 kW	2.50 kW
Annual energy consumption Qhe	6025 kWh	7588 kWh

EN 12102-1 | Warmer Climate		
	Low temperature	Medium temperature
Sound power level outdoor	52 dB(A)	52 dB(A)

Model MONO AWHP3R 11 TR	
Model name	MONO AWHP3R 11 TR
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data	
Power supply	3x400V 50Hz
Off-peak product	n/a

Outdoor Air/Water	

EN 14511-4 | Heating	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2 | Heating	Low temperature	Medium temperature
Heat output	11.50 kW	11.50 kW
El input	2.37 kW	3.65 kW
COP	4.85	3.15

EN 14825 | Average Climate	Low temperature	Medium temperature
ηs	187.8 %	147.1 %
Prated	12.10 kW	12.10 kW
SCOP	4.77	3.75
Tbiv	-7.00 °C	-7.00 °C
TOL	-10.00 °C	-10.00 °C
Pdh Tj = -7°C	10.68 kW	10.88 kW
COP Tj = -7°C	2.80	2.27
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	6.69 kW	6.56 kW
COP Tj = +2°C	4.55	3.63
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	5.30 kW	4.78 kW
COP Tj = +7°C	6.98	4.99
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	5.34 kW	5.83 kW
COP Tj = 12°C	7.70	6.55

Cdh Tj = +12 °C	0.98	0.99
Pdh Tj = Tbiv	10.68 kW	10.88 kW
COP Tj = Tbiv	2.80	2.27
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.66 kW	10.71 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.61	2.15
WTOL	75.00 °C	75.00 °C
Poff	10.10 W	10.10 W
PTO	15.00 W	15.00 W
PSB	10.10 W	10.10 W
PCK	0.00 W	0.00 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.44 kW	1.39 kW
Annual energy consumption Qhe	5240 kWh	6662 kWh

EN 12102-1 | Warmer Climate		
	Low temperature	Medium temperature
Sound power level outdoor	52 dB(A)	52 dB(A)

Model MONO AWHP3R 13 TR	
Model name	MONO AWHP3R 13 TR
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data	
Power supply	3x400V 50Hz
Off-peak product	n/a

Outdoor Air/Water	

EN 14511-4 | Heating	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2 | Heating	Low temperature	Medium temperature
Heat output	13.50 kW	13.50 kW
El input	2.93 kW	4.44 kW
COP	4.60	3.04

EN 14825 | Average Climate	Low temperature	Medium temperature
ηs	184.9 %	146.2 %
Prated	13.70 kW	13.70 kW
SCOP	4.70	3.73
Tbiv	-7.00 °C	-7.00 °C
TOL	-10.00 °C	-10.00 °C
Pdh Tj = -7°C	12.03 kW	11.87 kW
COP Tj = -7°C	2.70	2.22
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	7.38 kW	7.37 kW
COP Tj = +2°C	4.46	3.56
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	5.24 kW	4.87 kW
COP Tj = +7°C	7.02	5.21
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	5.28 kW	5.83 kW
COP Tj = 12°C	7.71	6.55

Cdh Tj = +12 °C	0.99	0.99
Pdh Tj = Tbiv	12.03 kW	11.87 kW
COP Tj = Tbiv	2.70	2.22
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.45 kW	11.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.54	2.07
WTOL	75.00 °C	75.00 °C
Poff	10.10 W	10.00 W
PTO	15.00 W	10.00 W
PSB	10.10 W	10.00 W
PCK	0.00 W	0.00 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.25 kW	2.50 kW
Annual energy consumption Qhe	6025 kWh	7588 kWh

EN 12102-1 | Warmer Climate		
	Low temperature	Medium temperature
Sound power level outdoor	52 dB(A)	52 dB(A)