

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
η_s	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)