

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
$\eta_s$	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
$\eta_s$	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
$\eta_s$	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
$\eta_s$	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)