Subtype DE DIETRICH MMTC R32 026

Certificate Holder	BDR Thermea FR (DE DIETRICH)
Address	57 rue de la Gare
ZIP	67580
City	Mertzwiller
Country	FR
Certification Body	Kiwa Nederland B.V.
Subtype title	DE DIETRICH MMTC R32 026
Registration number	007-DO0158
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	4.8 kg
Certification Date	09.04.2025
Testing basis	European KEYMARK Scheme for Heat Pumps (v14)

Model MMTC R32 026	
Model name	MMTC R32 026
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C, +18°C/+23°C
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	27.19 kW	18.83 kW
El input	6.33 kW	6.45 kW
COP	4.30	2.92

EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	7.74 kW	5.60 kW
Cooling capacity	24.75	26.00
EER	3.20	4.64

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	69 dB(A)	65 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	170 %	136 %
Prated	23.00 kW	17.90 kW
SCOP	4.35	3.47
Tbiv	-5 °C	-5 °C
TOL	-10 °C	-10 °C

Pdh Tj = -7°C	18.92 kW	14.77 kW
COP Tj = -7°C	2.74	2.22
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	12.96 kW	9.40 kW
COP Tj = +2°C	4.51	3.50
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	7.88 kW	6.47 kW
COP Tj = +7°C	5.40	4.35
Cdh Tj = +7 °C	1.000	1.000
Pdh Tj = 12°C	9.11 kW	7.84 kW
COP Tj = 12°C	7.78	6.40
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	17.97 kW	13.89 kW
COP Tj = Tbiv	2.91	2.46
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	19.36 kW	14.01 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.70	1.67
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	58 °C	58 °C
Poff	0 W	0 W
PTO	58 W	58 W
PSB	58 W	58 W
PCK	60 W	60 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	3.64 kW	3.89 kW
Annual energy consumption Qhe	11013 kWh	10662 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	24.75 kW	26.00 kW
SEER	4.76	7.29
Pdc Tj = 35°C	24.75 kW	26.00 kW
EER Tj = 35°C	3.20	4.64
Cdc Tj = 35 °C	1.000	1.000
Pdc Tj = 30°C	18.10 kW	19.70 kW
EER Tj = 30°C	4.22	6.20
Cdc Tj = 30 °C	1.000	1.000
Pdc Tj = 25°C	11.83 kW	12.40 kW
EER Tj = 25°C	5.35	8.35
Cdc Tj = 25 °C	1.000	1.000
Pdc Tj = 20°C	8.26 kW	8.68 kW
EER Tj = 20°C	6.26	10.80
Cdc Tj = 20 °C	0.900	0.900
Poff	0 W	0 W

PTO	26 W	26 W
PSB	26 W	26 W
PCK	26 W	26 W
Annual energy consumption Qce	14850 kWh	15600 kWh

Model MMTC R32 026 HR	
Model name	MMTC R32 026 HR
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C, +18°C/+23°C
Any additional heat sources	n/a

General data	
Power supply	n/a
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	27.19 kW	18.83 kW
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COP	4.30	2.92

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Cooling capacity	24.75	26.00
EER	3.20	4.64

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EER Tj = 20°C	6.26	10.80
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