Subtype DE DIETRICH MMTC R32 033	
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 033
Registration number	007-DO0162
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	5.6 kg
Certification Date	09.04.2025
Testing basis	European KEYMARK Scheme for Heat Pumps (v14)

Model MMTC R32 033	
Model name	MMTC R32 033
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	33.36 kW	24.12 kW
El input	7.57 kW	8.04 kW
COP	4.40	3.00

EN 14511-2 | Cooling	+7°C/+12°C	+18°C/+23°C
El input	8.28 kW	6.90 kW
Cooling capacity	26.50	29.00
EER	3.20	4.20

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

EN 14825 | Average Climate	Low temperature	Medium temperature
ηs	190 %	140 %
Prated	23.20 kW	18.88 kW
SCOP	4.84	3.58
Tbiv	-5 °C	-5 °C
TOL	-10 °C	-10 °C

Pdh Tj = -7°C	20.35 kW	16.64 kW
COP Tj = -7°C	2.86	2.18
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	12.38 kW	11.04 kW
COP Tj = +2°C	5.15	3.75
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	8.82 kW	8.50 kW
COP Tj = +7°C	5.94	4.56
Cdh Tj = +7 °C	1.000	0.900
Pdh Tj = 12°C	10.71 kW	10.56 kW
COP Tj = 12°C	8.56	6.85
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	19.77 kW	15.51 kW
COP Tj = Tbiv	3.13	2.34
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	22.27 kW	17.33 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.51	1.82
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	60 °C	60 °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	0.93 kW	1.47 kW
Annual energy consumption Qhe	9919 kWh	10864 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	26.50 kW	29.00 kW
SEER	5.10	6.57
Pdc Tj = 35°C	26.50 kW	29.00 kW
EER Tj = 35°C	3.20	4.20
Cdc Tj = 35 °C	1.000	1.000
Pdc Tj = 30°C	19.00 kW	23.13 kW
EER Tj = 30°C	4.24	5.50
Cdc Tj = 30 °C	1.000	1.000
Pdc Tj = 25°C	12.00 kW	14.04 kW
EER Tj = 25°C	6.00	7.30
Cdc Tj = 25 °C	1.000	1.000
Pdc Tj = 20°C	8.50 kW	10.20 kW
EER Tj = 20°C	7.00	10.20
Cdc Tj = 20 °C	0.900	0.900
Poff	0 W	0 W

PTO	28 W	28 W
PSB	28 W	28 W
PCK	28 W	28 W
Annual energy consumption Qce	15900 kWh	17400 kWh

Model MMTC R32 033 HR	
Model name	MMTC R32 033 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	33.36 kW	24.12 kW
El input	7.57 kW	8.04 kW
COP	4.40	3.00

EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	8.28 kW	6.90 kW
Cooling capacity	26.50	29.00
EER	3.20	4.20

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

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	190 %	140 %
Prated	23.20 kW	18.88 kW
SCOP	4.84	3.58
Tbiv	-5 °C	-5 °C
TOL	-10 °C	-10 °C

Pdh Tj = -7°C	20.35 kW	16.64 kW
COP Tj = -7°C	2.86	2.18
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	12.38 kW	11.04 kW
COP Tj = +2°C	5.15	3.75
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	8.82 kW	8.50 kW
COP Tj = +7°C	5.94	4.56
Cdh Tj = +7 °C	1.000	0.900
Pdh Tj = 12°C	10.71 kW	10.56 kW
COP Tj = 12°C	8.56	6.85
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	19.77 kW	15.51 kW
COP Tj = Tbiv	3.13	2.34
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	22.27 kW	17.33 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.51	1.82
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	60 °C	60 °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	0.93 kW	1.47 kW
Annual energy consumption Qhe	9919 kWh	10864 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	26.50 kW	29.00 kW
SEER	5.10	6.57
Pdc Tj = 35°C	26.50 kW	29.00 kW
EER Tj = 35°C	3.20	4.20
Cdc Tj = 35 °C	1.000	1.000
Pdc Tj = 30°C	19.00 kW	23.13 kW
EER Tj = 30°C	4.24	5.50
Cdc Tj = 30 °C	1.000	1.000
Pdc Tj = 25°C	12.00 kW	14.04 kW
EER Tj = 25°C	6.00	7.30
Cdc Tj = 25 °C	1.000	1.000
Pdc Tj = 20°C	8.50 kW	10.20 kW
EER Tj = 20°C	7.00	10.20
Cdc Tj = 20 °C	0.900	0.900
Poff	0 W	0 W

PTO	28 W	28 W
PSB	28 W	28 W
PCK	28 W	28 W
Annual energy consumption Qce	15900 kWh	17400 kWh