

Subtype REMEHA Effenca MT 20

Certificate Holder	Remeha ND
Address	Marchantstraat 55
ZIP	7332
City	AZ Apeldoorn
Country	NL
Certification Body	Kiwa Nederland B.V.
Subtype title	REMEHA Effenca MT 20
Registration number	22HK0053 / 007-DO0153
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 Effenca MT 20		
Model name	Effenca MT 20	
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	21.22 kW	15.78 kW
El input	4.84 kW	5.48 kW
COP	4.38	2.88
EN 14511-2 Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	6.11 kW	4.31 kW
Cooling capacity	20.04	21.31
EER	3.28	4.95
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	174 %	130 %
Prated	16.80 kW	13.80 kW
SCOP	4.42	3.33
Tbiv	-5 °C	-5 °C
TOL	-10 °C	-10 °C

Pdh Tj = -7°C	14.44 kW	11.94 kW
COP Tj = -7°C	2.78	1.95
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	8.53 kW	6.97 kW
COP Tj = +2°C	4.59	3.23
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	6.37 kW	4.80 kW
COP Tj = +7°C	5.22	4.21
Cdh Tj = +7 °C	1.000	1.000
Pdh Tj = 12°C	6.28 kW	6.10 kW
COP Tj = 12°C	7.76	7.04
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	13.78 kW	11.63 kW
COP Tj = Tbiv	3.10	2.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	15.87 kW	13.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.67	1.74
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	0.93 kW	0.60 kW
Annual energy consumption Qhe	7847 kWh	8573 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
Pdesignc	20.04 kW	21.31 kW
SEER	5.03	7.56
Pdc Tj = 35°C	20.04 kW	21.31 kW
EER Tj = 35°C	3.28	4.95
Cdc Tj = 35 °C	1.000	1.000
Pdc Tj = 30°C	15.79 kW	16.61 kW
EER Tj = 30°C	4.38	6.41
Cdc Tj = 30 °C	1.000	1.000
Pdc Tj = 25°C	9.30 kW	10.22 kW
EER Tj = 25°C	5.64	9.04
Cdc Tj = 25 °C	1.000	1.000
Pdc Tj = 20°C	6.39 kW	7.75 kW
EER Tj = 20°C	7.22	11.09
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	12024 kWh	12786 kWh

Model Effenca MT 20 EC

Model name	Effenca MT 20 EC
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

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