

Subtype REMEHA Effenca MT 33

Certificate Holder	Remeha
Address	
ZIP	
City	
Country	NL
Certification Body	Kiwa Nederland B.V.
Subtype title	REMEHA Effenca MT 33
Registration number	22HK0061 / 007-DO0161
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	5.6 kg
Certification Date	27.06.2023
Testing basis	European KEYMARK Scheme for Heat Pumps (v11)

Model Effenca MT 33

Model name	Effenca MT 33
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 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
η_s	190 %	140 %
Prated	23.20 kW	18.80 kW
SCOP	4.83	3.58
Tbiv	-5 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	20.08 kW	16.11 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

Model Effenca MT 33 EC

Model name	Effenca MT 33 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

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 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825 | Average Climate

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