

Subtype Carrier XP ENERGY T 14M WH

Certificate Holder	Riello S.p.A.
Address	Via Ing. Pilade Riello 7
ZIP	37045
City	Legnago (VR)
Country	IT
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Subtype title	Carrier XP ENERGY T 14M WH
Registration number	011-1W0705
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1.4 kg
Certification Date	24.10.2023
Testing basis	HP KEYMARK certification scheme rules V12

Model 38AW140H7RT / 80AWX140M31RTW

Model name	38AW140H7RT / 80AWX140M31RTW
Application	Heating (medium temp)
Units	Indoor, 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 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	183 %	138 %
Prated	11 kW	11 kW
SCOP	4.65	3.53
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.06 kW	9.93 kW
COP Tj = -7°C	2.68	2.21
Cdh Tj = -7 °C	0.99	
Pdh Tj = +2°C	6.23 kW	6.24 kW
COP Tj = +2°C	4.55	3.34
Cdh Tj = +2 °C	0.97	
Pdh Tj = +7°C	3.97 kW	3.86 kW
COP Tj = +7°C	6.27	4.76
Cdh Tj = +7 °C	0.94	
Pdh Tj = 12°C	4.28 kW	4.24 kW
COP Tj = 12°C	9.16	7.27
Cdh Tj = +12 °C	0.91	
Pdh Tj = Tbiv	10.06 kW	9.93 kW

COP Tj = Tbiv	2.68	2.21
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.88 kW	9.35 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.63	2.01
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.89	0.91
WTOL	65 °C	65 °C
Poff	11 W	11 W
PTO	52 W	52 W
PSB	11 W	11 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.12 kW	1.7 kW
Annual energy consumption Qhe	5718 kWh	6567 kWh

Model 38AW140H7RT / 80AWX140M61RTW

Model name	38AW140H7RT / 80AWX140M61RTW
Application	Heating (medium temp)
Units	Indoor, 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

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Defrost test	passed
Starting and operating test	passed

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Model 38AW140H7RT / 80AWX140T61RTW

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