

Subtype CARRIER 30AWH012HP-C--C--, 30AWH012HP9C--C-, 30AWH014HP-C--C--, 30AWH014HP9C--C--

30AWH014HP9C--C--

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 30AWH012HP-C--C--, 30AWH012HP9C--C-,

30AWH014HP-C--C--, 30AWH014HP9C--C--

Registration number

011-1W0625

Heat Pump Type

Outdoor Air/Water

Refrigerant

R290

Mass of Refrigerant

1.07 kg

Certification Date

26.06.2023

Testing basis

HP KEYMARK Certification Scheme Rules Rev. 14

Model CARRIER 30AWH012HP-C--C--

Model name	CARRIER 30AWH012HP-C--C--
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C
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 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	11.40 kW	10.95 kW
El input	2.50 kW	3.54 kW
COP	4.55	3.10

EN 14511-2 | Cooling

	+7°C/+12°C	+18°C/+23°C
El input	3.18 kW	
Cooling capacity	9.70	
EER	3.05	

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	52 dB(A)	54 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	176 %	144 %
Prated	10.19 kW	9.73 kW
SCOP	4.48	3.67
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C

Pdh Tj = -7°C	9.01 kW	8.61 kW
COP Tj = -7°C	2.63	2.24
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	5.20 kW	4.93 kW
COP Tj = +2°C	4.47	3.50
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	3.23 kW	3.09 kW
COP Tj = +7°C	5.76	4.90
Cdh Tj = +7 °C	0.960	0.976
Pdh Tj = 12°C	3.74 kW	3.74 kW
COP Tj = 12°C	7.77	7.04
Cdh Tj = +12 °C	0.952	0.973
Pdh Tj = Tbiv	9.01 kW	8.61 kW
COP Tj = Tbiv	2.63	2.24
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.26 kW	8.33 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.51	2.07
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.93 kW	1.40 kW
Annual energy consumption Qhe	4696 kWh	5486 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
Pdesignc	9.70 kW	
SEER	5.34	
Pdc Tj = 35°C	9.70 kW	
EER Tj = 35°C	3.05	
Cdc Tj = 35 °C	0.900	
Pdc Tj = 30°C	7.15 kW	
EER Tj = 30°C	4.49	
Cdc Tj = 30 °C	0.900	
Pdc Tj = 25°C	4.59 kW	
EER Tj = 25°C	5.96	
Cdc Tj = 25 °C	0.900	
Pdc Tj = 20°C	3.60 kW	
EER Tj = 20°C	8.31	
Cdc Tj = 20 °C	0.900	
Poff	10 W	

PTO	15 W
PSB	10 W
PCK	0 W
Annual energy consumption Qce	5820 kWh

Model CARRIER 30AWH012HP9C--C-

Model name	CARRIER 30AWH012HP9C--C-
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°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	11.40 kW	10.95 kW
El input	2.45 kW	3.48 kW
COP	4.65	3.15

EN 14511-2 | Cooling

	+7°C/+12°C	+18°C/+23°C
El input	3.13 kW	
Cooling capacity	9.70	
EER	3.10	

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	52 dB(A)	54 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	176 %	144 %
Prated	10.19 kW	9.73 kW
SCOP	4.48	3.67
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C

Pdh Tj = -7°C	9.01 kW	8.61 kW
COP Tj = -7°C	2.63	2.24
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	5.20 kW	4.93 kW
COP Tj = +2°C	4.47	3.50
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	3.23 kW	3.09 kW
COP Tj = +7°C	5.76	4.90
Cdh Tj = +7 °C	0.960	0.976
Pdh Tj = 12°C	3.74 kW	3.74 kW
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COP Tj = Tbiv	2.63	2.24
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.26 kW	8.33 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.51	2.07
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.93 kW	1.40 kW
Annual energy consumption Qhe	4696 kWh	5486 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
Pdesignc	9.70 kW	
SEER	5.34	
Pdc Tj = 35°C	9.70 kW	
EER Tj = 35°C	3.10	
Cdc Tj = 35 °C	0.900	
Pdc Tj = 30°C	7.15 kW	
EER Tj = 30°C	4.49	
Cdc Tj = 30 °C	0.900	
Pdc Tj = 25°C	4.59 kW	
EER Tj = 25°C	5.96	
Cdc Tj = 25 °C	0.900	
Pdc Tj = 20°C	3.60 kW	
EER Tj = 20°C	8.22	
Cdc Tj = 20 °C	0.900	
Poff	10 W	

PTO	15 W
PSB	10 W
PCK	0 W
Annual energy consumption Qce	5820 kWh

Model CARRIER 30AWH014HP-C--C--

Model name	CARRIER 30AWH014HP-C--C--
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C
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 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	13.80 kW	13.25 kW
El input	3.21 kW	4.57 kW
COP	4.30	2.90

EN 14511-2 | Cooling

	+7°C/+12°C	+18°C/+23°C
El input	3.63 kW	
Cooling capacity	10.70	
EER	2.95	

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	52 dB(A)	54 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	176 %	144 %
Prated	10.19 kW	9.73 kW
SCOP	4.48	3.67
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TOL	-10 °C	-10 °C

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COP Tj = -7°C	2.63	2.24
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	5.20 kW	4.93 kW
COP Tj = +2°C	4.47	3.50
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COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.51	2.07
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.93 kW	1.40 kW
Annual energy consumption Qhe	4696 kWh	5486 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
Pdesignc	10.70 kW	
SEER	5.15	
Pdc Tj = 35°C	10.70 kW	
EER Tj = 35°C	2.95	
Cdc Tj = 35 °C	0.900	
Pdc Tj = 30°C	7.88 kW	
EER Tj = 30°C	4.07	
Cdc Tj = 30 °C	0.900	
Pdc Tj = 25°C	5.07 kW	
EER Tj = 25°C	5.91	
Cdc Tj = 25 °C	0.900	
Pdc Tj = 20°C	3.63 kW	
EER Tj = 20°C	8.04	
Cdc Tj = 20 °C	0.900	
Poff	10 W	

PTO	15 W
PSB	10 W
PCK	0 W
Annual energy consumption Qce	6420 kWh

Model CARRIER 30AWH014HP9C--C--

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Units	Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C
Any additional heat sources	n/a

General data

Power supply	3x400V 50Hz
Off-peak product	n/a

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	Low temperature	Medium temperature
Heat output	13.80 kW	13.25 kW
El input	3.14 kW	4.49 kW
COP	4.40	2.95

EN 14511-2 | Cooling

	+7°C/+12°C	+18°C/+23°C
El input	3.57 kW	
Cooling capacity	10.70	
EER	3.00	

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Annual energy consumption Qhe	4696 kWh	5486 kWh

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Cdc Tj = 35 °C	0.900	
Pdc Tj = 30°C	7.88 kW	
EER Tj = 30°C	4.07	
Cdc Tj = 30 °C	0.900	
Pdc Tj = 25°C	5.07 kW	
EER Tj = 25°C	5.91	
Cdc Tj = 25 °C	0.900	
Pdc Tj = 20°C	3.63 kW	
EER Tj = 20°C	7.96	
Cdc Tj = 20 °C	0.900	
Poff	10 W	

PTO	15 W
PSB	10 W
PCK	0 W
Annual energy consumption Qce	6420 kWh