



United Technologies

ECODESIGN MANUAL AND ENERGY LABELLING



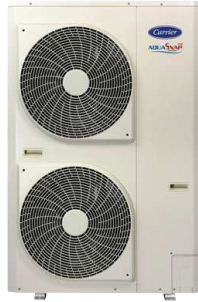
Reversible Air to Water Heat Pump

30AW



CARRIER participates in the ECP programme for LCP/HP
Check ongoing validity of certificate:
www.eurovent-certification.com





Model	30AWH012HD9
Heat pump type	Air-to-Water
Equipped with supplementary heater	No
Heat pump combination heater	No

Rated heat output, kW	Prated	9.76
Annual energy consumption, kWh	Qhe	5314
Seasonal space heating energy efficiency, %	ns,h	148
Energy Classes		A+
Seasonal Coefficient Of Performance, kWh/kWh	SCOP	3.78
Sound power level indoor/outdoor, dB(A)	LwA	68 NA

Declared capacity and coefficient of performance for heating at indoor conditions 20°C and outdoor temperature Tj

Temperature application :		Low (30°C/35°C)	
Climate:		Average (Strasbourg)	
Bivalent temperature, °C	Tbivalent	-7	
Operating limit temperature, °C	TOL	-20	
Heating water operation limit temperature, °C	WTOL	60	
Tj, °C	Capacity Pdh, kW	COPd	Degradation coef, Cdh
-7	8.63	2.27	0.95
2	6.50	3.59	0.95
7	3.73	5.41	0.95
12	4.26	7.61	0.95
Bivalent temperature	8.63	2.27	-
Operating limit temperature	8.20	2.05	-

Power consumption in modes other than active mode

Off mode, kW	POFF	0.0000
Thermostat-off mode, kW	PTO	0.0250
Standby mode, kW	PSB	0.0500
Crankcase heater mode, kW	PCK	0.0500

Supplementary heater

Rated heat output, kW	Psup	1.56
Type of energy input		Electric

Other items

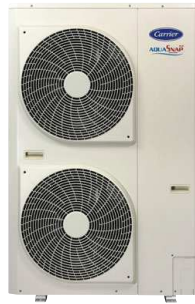
Capacity control	Variable
Outlet temperature capacity control	Variable
Water flow rate capacity control	Fixed

For air-to-water heat pumps

Rated Air flow rate, outdoors, m³/h	6000
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Contact details	Carrier Refrigeration Operation Czech Republic s.r.o. Lidicka 323 - 266 39 Beroun 3 - Czech Republic
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Accessories and Installed Options
No Accessories or Installed Options selected



Model	30AWH012HD9
Heat pump type	Air-to-Water
Equipped with supplementary heater	No
Heat pump combination heater	No

Rated heat output, kW	Prated	8.38
Annual energy consumption, kWh	Qhe	4975
Seasonal space heating energy efficiency, %	ns,h	136
Energy Classes		A++
Seasonal Coefficient Of Performance, kWh/kWh	SCOP	3.47
Sound power level indoor/outdoor, dB(A)	LwA	68 NA

Declared capacity and coefficient of performance for heating at indoor conditions 20°C and outdoor temperature Tj

Temperature application :	Medium (47°C/55°C)		
Climate:	Average (Strasbourg)		
Bivalent temperature, °C	Tbivalent	-7	
Operating limit temperature, °C	TOL	-20	
Heating water operation limit temperature, °C	WTOL	60	
Tj, °C	Capacity Pdh, kW	COPd	Degradation coef, Cdh
-7	7.41	1.99	0.98
2	5.45	3.45	0.98
7	3.43	4.64	0.98
12	3.91	6.41	0.98
Bivalent temperature	7.41	1.99	-
Operating limit temperature	7.04	1.80	-

Power consumption in modes other than active mode

Off mode, kW	POFF	0.0500
Thermostat-off mode, kW	PTO	0.0130
Standby mode, kW	PSB	0.0500
Crankcase heater mode, kW	PCK	0.0500

Supplementary heater

Rated heat output, kW	Psup	1.34
Type of energy input		Electric

Other items

Capacity control	Variable
Outlet temperature capacity control	Variable
Water flow rate capacity control	Fixed

For air-to-water heat pumps

Rated Air flow rate, outdoors, m³/h	6000
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Contact details	Carrier Refrigeration Operation Czech Republic s.r.o. Lidicka 323 - 266 39 Beroun 3 - Czech Republic
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Accessories and Installed Options
No Accessories or Installed Options selected

Fiche/Ficha/Scheda/Datenblatt



30AWH012HD9



kW	13.20	8.38	7.76
ηs %	121	136	187
kWh/annum	10056	4975	2177



68dB



dB



ENERG Y IJA
 енергия · ενεργεια IE IA

30AWH012HD9

55 °C

35 °C

dB

68dB

■ 13.20	■ 15.37
■ 8.38	■ 9.76
■ 7.76	■ 9.04
kW	

68dB

2015

811/2013