



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](http://www.eurovent-certification.com)





<b>Model</b>	30AWH006HD
<b>Heat pump type</b>	Air-to-Water
<b>Equipped with supplementary heater</b>	No
<b>Heat pump combination heater</b>	No

<b>Rated heat output, kW</b>	Prated	4.92
<b>Annual energy consumption, kWh</b>	Qhe	2806
<b>Seasonal space heating energy efficiency, %</b>	ns,h	141
<b>Energy Classes</b>		A+
<b>Seasonal Coefficient Of Performance, kWh/kWh</b>	SCOP	3.60
<b>Sound power level indoor/outdoor, dB(A)</b>	LwA	62 NA

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

<b>Temperature application :</b>		Low (30°C/35°C)	
<b>Climate:</b>		Average (Strasbourg)	
<b>Bivalent temperature, °C</b>	<b>Tbivalent</b>	-7	
<b>Operating limit temperature, °C</b>	<b>TOL</b>	-20	
<b>Heating water operation limit temperature, °C</b>	<b>WTOL</b>	60	
<b>Tj, °C</b>	<b>Capacity Pdh, kW</b>	<b>COPd</b>	<b>Degradation coef, Cdh</b>
-7	4.35	2.29	0.90
2	2.73	3.25	0.90
7	1.70	5.48	0.90
12	0.76	6.33	0.90
<b>Bivalent temperature</b>	4.35	2.29	-
<b>Operating limit temperature</b>	4.13	2.07	-

### Power consumption in modes other than active mode

<b>Off mode, kW</b>	POFF	0.0000
<b>Thermostat-off mode, kW</b>	PTO	0.0490
<b>Standby mode, kW</b>	PSB	0.0500
<b>Crankcase heater mode, kW</b>	PCK	0.0500

### Supplementary heater

<b>Rated heat output, kW</b>	Psup	0.78
<b>Type of energy input</b>		Electric

### Other items

<b>Capacity control</b>	Variable
<b>Outlet temperature capacity control</b>	Variable
<b>Water flow rate capacity control</b>	Fixed

### For air-to-water heat pumps

<b>Rated Air flow rate, outdoors, m³/h</b>	2600
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<b>Contact details</b>	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

**AQUASNAP**  
Reversible



<b>Model</b>	30AWH006HD
<b>Heat pump type</b>	Air-to-Water
<b>Equipped with supplementary heater</b>	No
<b>Heat pump combination heater</b>	No

<b>Rated heat output, kW</b>	Prated	4.22
<b>Annual energy consumption, kWh</b>	Qhe	2571
<b>Seasonal space heating energy efficiency, %</b>	ns,h	132
<b>Energy Classes</b>		A++
<b>Seasonal Coefficient Of Performance, kWh/kWh</b>	SCOP	3.37
<b>Sound power level indoor/outdoor, dB(A)</b>	LwA	62 NA

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

<b>Temperature application :</b>	Medium (47°C/55°C)		
<b>Climate:</b>	Average (Strasbourg)		
<b>Bivalent temperature, °C</b>	<b>Tbivalent</b>	-7	
<b>Operating limit temperature, °C</b>	<b>TOL</b>	-20	
<b>Heating water operation limit temperature, °C</b>	<b>WTOL</b>	60	
<b>Tj, °C</b>	<b>Capacity Pdh, kW</b>	<b>COPd</b>	<b>Degradation coef, Cdh</b>
-7	3.73	2.02	0.90
2	2.25	3.17	0.90
7	1.45	4.68	0.90
12	0.72	7.20	0.90
<b>Bivalent temperature</b>	3.73	2.02	-
<b>Operating limit temperature</b>	3.54	1.82	-

### Power consumption in modes other than active mode

<b>Off mode, kW</b>	POFF	0.0500
<b>Thermostat-off mode, kW</b>	PTO	0.0370
<b>Standby mode, kW</b>	PSB	0.0500
<b>Crankcase heater mode, kW</b>	PCK	0.0500

### Supplementary heater

<b>Rated heat output, kW</b>	Psup	0.67
<b>Type of energy input</b>	Electric	

### Other items

<b>Capacity control</b>	Variable
<b>Outlet temperature capacity control</b>	Variable
<b>Water flow rate capacity control</b>	Fixed

### For air-to-water heat pumps

<b>Rated Air flow rate, outdoors, m<sup>3</sup>/h</b>	2600
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<b>Contact details</b>	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



30AWH006HD



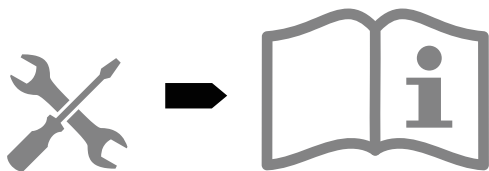
kW	6.65	4.22	3.79
ηs %	112	132	181
kWh/annum	5431	2571	1085



62dB



dB



# ENERG

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Y
IJA

IE
IA

## 30AWH006HD

55 °C

35 °C

dB

62dB

<span style="display: inline-block; width: 10px; height: 10px; background-color: blue;"></span> 6.65	<span style="display: inline-block; width: 10px; height: 10px; background-color: blue;"></span> 7.75
<span style="display: inline-block; width: 10px; height: 10px; background-color: lightblue;"></span> 4.22	<span style="display: inline-block; width: 10px; height: 10px; background-color: lightblue;"></span> 4.92
<span style="display: inline-block; width: 10px; height: 10px; background-color: lightblue;"></span> 3.79	<span style="display: inline-block; width: 10px; height: 10px; background-color: lightblue;"></span> 4.06
kW	

62dB

2015
811/2013