



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	30AWH008HD
Heat pump type	Air-to-Water
Equipped with supplementary heater	No
Heat pump combination heater	No

Rated heat output, kW	Prated	4.56
Annual energy consumption, kWh	Qhe	3088
Seasonal space heating energy efficiency, %	ns,h	118
Energy Classes		A
Seasonal Coefficient Of Performance, kWh/kWh	SCOP	3.03
Sound power level indoor/outdoor, dB(A)	LwA	64 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	4.03	2.28	0.90
2	3.00	2.75	0.90
7	1.84	4.28	0.90
12	0.90	5.00	0.90
Bivalent temperature	4.03	2.28	-
Operating limit temperature	3.83	2.06	-

Power consumption in modes other than active mode

Off mode, kW	POFF	0.0000
Thermostat-off mode, kW	PTO	0.0580
Standby mode, kW	PSB	0.0500
Crankcase heater mode, kW	PCK	0.0500

Supplementary heater

Rated heat output, kW	Psup	0.73
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	2600
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Contact details	Compañía Industrial de Aplicaciones Térmicas SA Pol. Llanos de Jarata s/n Montilla 14550 (Córdoba) - Spain
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Accessories and Installed Options
No Accessories or Installed Options selected



Model	30AWH008HD
Heat pump type	Air-to-Water
Equipped with supplementary heater	No
Heat pump combination heater	No

Rated heat output, kW	Prated	4.65
Annual energy consumption, kWh	Qhe	3367
Seasonal space heating energy efficiency, %	ns,h	111
Energy Classes		A+
Seasonal Coefficient Of Performance, kWh/kWh	SCOP	2.84
Sound power level indoor/outdoor, dB(A)	LwA	64 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	4.11	1.66	0.90
2	2.51	2.79	0.90
7	1.67	3.71	0.90
12	1.00	5.56	0.90
Bivalent temperature	4.11	1.66	-
Operating limit temperature	3.90	1.51	-

Power consumption in modes other than active mode

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

Supplementary heater

Rated heat output, kW	Psup	0.74
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	2600
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Contact details	Compañía Industrial de Aplicaciones Térmicas SA Pol. Llanos de Jarata s/n Montilla 14550 (Córdoba) - Spain
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Accessories and Installed Options
No Accessories or Installed Options selected

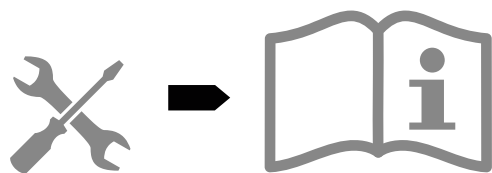
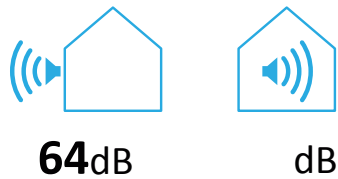
Fiche/Ficha/Scheda/Datenblatt



30AWH008HD



kW	6.59	4.65	4.83
ηs %	103	111	152
kWh/annum	5867	3367	1649



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Y
IJA

IE
IA

30AWH008HD

55 °C

35 °C

dB

64dB

	6.59		6.46
	4.65		4.56
	4.83		5.09

kW kW

2019
811/2013