aquatermic

INFORMATION SHEET FOR AIR CONDITIONERS, EXCEPT DOUBLE DUCTS AND SINGLE DUCTS[5]

As by Comission Communication in the framework of ecodesign requirements for air conditioners and comfort fans (EU Regulation no. 206/2012) and of energy labelling of air conditioners - (EU Regulation no. 626/2011).

MODEL : AQ OUT HY 20 + AQ WNI 12 (x2)

Function to which information applies		**If information applies to heating: heating season to which information relates.**	
Cooling	Y	Heating (Average)(-10°C)	Y
Heating	Y	Heating (Warmer)(+2°C)	na
		Heating (Colder)(-22°C)	na

Item	symbol	value	unit	Item	symbol	value	unit
Design load				**Seasonal efficiency**			
Cooling	Pdesignc	5,4	kW	Cooling	SEER	6,4	-
Heating (Average)(-10°C)	Pdesignh	4,3	kW	Heating (Average)(-10°C)	SCOP (A)	4,0	-
Heating (Warmer)(+2°C)	Pdesignh	na	kW	Heating (Warmer)(+2°C)	SCOP (W)	na	-
Heating (Colder)(-22°C)	Pdesignh	na	kW	Heating (Colder)(-22°C)	SCOP (C)	na	-
Declared capacity (*) for cooling, at indoor temperature 27(19)°C and outdoor temperature Tj				**Declared Energy efficiency ratio (*) for cooling, at indoor temperature 27(19)°C and outdoor temperature Tj**			
Tj = 35°C	Pdc	5,4	kW	Tj = 35°C	EERd	3,2	-
Tj = 30°C	Pdc	4,0	kW	Tj = 30°C	EERd	5,2	-
Tj = 25°C	Pdc	2,7	kW	Tj = 25°C	EERd	7,0	-
Tj = 20°C	Pdc	1,1	kW	Tj = 20°C	EERd	9,3	-
Declared capacity (*) for heating / Average season, at indoor temperature 20°C and outdoor temperature Tj				**Declared Coefficient of Performance (*) for heating / Average season, at indoor temperature 20°C and outdoor temperature Tj**			
Tj = -7°C	Pdh	3,9	kW	Tj = -7°C	COPd	2,9	-
Tj = 2°C	Pdh	2,5	kW	Tj = 2°C	COPd	3,4	-
Tj = 7°C	Pdh	1,5	kW	Tj = 7°C	COPd	6,7	-
Tj = 12°C	Pdh	0,8	kW	Tj = 12°C	COPd	5,9	-
Tj = bivalent temperature	Pdh	3,9	kW	Tj = bivalent temperature	COPd	2,9	-
Tj = operating limit temperature	Pdh	3,3	kW	Tj = operating limit temperature	COPd	2,4	-
Declared capacity (*) for heating / Warmer season, at indoor temperature 20°C and outdoor temperature Tj				**Declared Coefficient of Performance (*) for heating / Warmer season, at indoor temperature 20°C and outdoor temperature Tj**			
Tj = 2°C	Pdh	na	kW	Tj = 2°C	COPd	na	-
Tj = 7°C	Pdh	na	kW	Tj = 7°C	COPd	na	-
Tj = 12°C	Pdh	na	kW	Tj = 12°C	COPd	na	-
Tj = bivalent temperature	Pdh	na	kW	Tj = bivalent temperature	COPd	na	-
Tj = operating limit temperature	Pdh	na	kW	Tj = operating limit temperature	COPd	na	-
Declared capacity (*) for heating / Colder season, at indoor temperature 20°C and outdoor temperature Tj				**Declared Coefficient of Performance (*) for heating / Colder season, at indoor temperature 20°C and outdoor temperature Tj**			
Tj = -7°C	Pdh	na	kW	Tj = -7°C	COPd	na	-
Tj = 2°C	Pdh	na	kW	Tj = 2°C	COPd	na	-
Tj = 7°C	Pdh	na	kW	Tj = 7°C	COPd	na	-
Tj = 12°C	Pdh	na	kW	Tj = 12°C	COPd	na	-
Tj = bivalent temperature	Pdh	na	kW	Tj = bivalent temperature	COPd	na	-
Tj = operating limit temperature	Pdh	na	kW	Tj = operating limit temperature	COPd	na	-
Tj =-15°C	Pdh	na	kW	Tj =-15°C	COPd	na	-
Bivalent temperature				**Operating limit temperature**			
Heating (Average)	Tbiv	-7	°C	Heating (Average)	Tol	-22	°C
Heating (Warmer)	Tbiv	na	°C	Heating (Warmer)	Tol	na	°C
Heating (Colder)	Tbiv	na	°C	Heating (Colder)	Tol	na	°C
Power consumption of cycling				**Efficiency of cycling**			
Cooling	Pcycc	na	kW	Cooling	EERcyc	na	-
Heating	Pcych	na	kW	Heating	COPcyc	na	-
Degradation coefficient cooling(**)	Cdc	0,25	-	Degradation coefficient heating(**)	Cdh	0,25	-
Electric power input in power modes other than "active mode"				**Seasonal electricity consumption**			
Off mode	P_{OFF}	na	W	Cooling	Q_{CE}	252	kWh/a
Standby mode	P_{SB}	1,15	W	Heating (Average)(-10°C)	Q_{HE}/A	1159	kWh/a
Thermostat-off mode	P_{TO}	1,15	W	Heating (Warmer)(+2°C)	Q_{HE}/W	na	kWh/a
Crankcase heater mode	P_{CK}	30	W	Heating (Colder)(-22°C)	Q_{HE}/C	na	kWh/a
Capacity control type				**Other items**			
Fixed		N		Sound power level (indoor/outdoor)	L_{WA}	45/58	dB(A)
Staged		N		Refrigerant type		R410A	
Variable		Y		Global warming potential	GWP	2087,5	$KgCO_2eq.$
				Rated air flow (indoor/outdoor)		600/1700	m^3/h

For more detailed information

EUROFRED, S.A. -MARQUÉS DE SENTMENAT, 97
08029 BARCELONA - T.: + 34 934 199 797
F.: + 34 934 198 686
www.eurofred.es

(5) For multisplit appliances, data shall be provided at a *Capacity ratio* of 1.
(**) If default Cd= 0,25 is chosen, then results from cycling tests are not required. Otherwise either the heating or cooling cycling test value is required