

Information requirements

This information includes the results of calculation of the seasonal energy consumption and efficiency for air conditioner in regards to ErP pursuant to the Commission Regulation(EU) No.206/2013 and No.626/2013. Information to identify the model(s) to which the information relates to:

AIR CONDITIONER

TYPE : LCAC
MIDDLE STATIC PRESSURE DUCT TYPE AIR CONDITIONER

Indoor unit(s) : 42QSS012D8S
Outdoor unit : 38QUS012D8S
Brand : CARRIER

Function (indicate if present)				if function includes heating : Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at			
cooling	Y			Average (mandatory)	Y		
heating	Y			Warmer (if designated)	N		
				Colder (if designated)	N		
Item	symbol	value	unit	Item	symbol	value	unit
Design load				Seasonal efficiency			
cooling	Pdesignc	3.5	kW	cooling	SEER	6.5	-
heating/Average	Pdesignh	3.2	kW	heating/Average	SCOP/A	4.0	-
heating/Warmer	Pdesignh	3.7	kW	heating/Warmer	SCOP/W	4.8	-
heating/Colder	Pdesignh	x,x	kW	heating/Colder	SCOP/C	x,x	-
Declared capacity(*) for cooling, at indoor temperature 27(19)°C and outdoor temperature Tj				Declared energy efficiency ratio(*), at indoor temperature 27(19)°C and outdoor temperature Tj			
Item	symbol	value	unit	Item	symbol	value	unit
Tj = 35°C	Pdc	3.500	kW	Tj = 35°C	EERd	3.69	-
Tj = 30°C	Pdc	2.522	kW	Tj = 30°C	EERd	5.25	-
Tj = 25°C	Pdc	1.595	kW	Tj = 25°C	EERd	8.12	-
Tj = 20°C	Pdc	0.951	kW	Tj = 20°C	EERd	12.53	-
Declared capacity(*) for heating/Average season, at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance(*)/Average season, at indoor temperature 20°C and outdoor temperature Tj			
Item	symbol	value	unit	Item	symbol	value	unit
Tj = -7°C	Pdh	2.831	kW	Tj = -7°C	COPd	2.88	-
Tj = 2°C	Pdh	1.738	kW	Tj = 2°C	COPd	4.05	-
Tj = 7°C	Pdh	1.158	kW	Tj = 7°C	COPd	4.70	-
Tj = 12°C	Pdh	1.144	kW	Tj = 12°C	COPd	5.63	-
Tj = bivalent temperature	Pdh	2.831	kW	Tj = bivalent temperature	COPd	2.88	-
Tj = operating limit	Pdh	3.032	kW	Tj = operating limit	COPd	2.49	-
Declared capacity(*) for heating/Warmer season, at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance(*)/Warmer season, at indoor temperature 20°C and outdoor temperature Tj			
Item	symbol	value	unit	Item	symbol	value	unit
Tj = 2°C	Pdh	3.700	kW	Tj = 2°C	COPd	2.76	-
Tj = 7°C	Pdh	2.513	kW	Tj = 7°C	COPd	4.49	-
Tj = 12°C	Pdh	1.153	kW	Tj = 12°C	COPd	5.63	-

Tj = bivalent temperature	Pdh	3.700	kW	Tj = bivalent temperature	COPd	2.76	-
Tj = operating limit	Pdh	3.700	kW	Tj = operating limit	COPd	2.76	-
Declared capacity(*) for heating/Colder season, at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance(*)/Colder season, at indoor temperature 20°C and outdoor temperature Ti			
Item	symbol	value	unit	Item	symbol	value	unit
Tj = -7°C	Pdh	x,x	kW	Tj = -7°C	COPd	x,x	-
Tj = 2°C	Pdh	x,x	kW	Tj = 2°C	COPd	x,x	-
Tj = 7°C	Pdh	x,x	kW	Tj = 7°C	COPd	x,x	-
Tj = 12°C	Pdh	x,x	kW	Tj = 12°C	COPd	x,x	-
Tj = bivalent temperature	Pdh	x,x	kW	Tj = bivalent temperature	COPd	x,x	-
Tj = operating limit	Pdh	x,x	kW	Tj = operating limit	COPd	x,x	-
Tj = -15°C	Pdh	x,x	kW	Tj = -15°C	COPd	x,x	-
Bivalent temperature				Operating limit temperature			
heating/Average	Tbiv	-7	°C	heating/Average	Tol	-15	°C
heating/Warmer	Tbiv	x	°C	heating/Warmer	Tol	x	°C
heating/Colder	Tbiv	x	°C	heating/Colder	Tol	x	°C
Cycling interval capacity				Cycling interval efficiency			
for cooling	Pcycc	x,x	kW	heating/Average	EERcyc	x,x	-
for heating	Pcych	x,x	kW	heating/Warmer	COPcyc	x,x	-
Degradation co-efficient cooling	Cdc	0.25	-	Degradation co-efficient heating	Cdc	0.25	-
Electric power input in power modes other than 'active mode'				Annual electricity consumption			
off mode	Poff	0.008	kW	cooling	QCE	188	kWh/a
standby mode	Psb	0.008	kW	heating/Average	Qhe	1120	kWh/a
thermostat-off mode	Pto	0.010	kW	heating/Warmer	Qhe	1079	kWh/a
crankcase heater mode	Pck	0	kW	heating/Colder	Qhe	x	kWh/a
Capacity control(indicate one of the options)				Other items			
Item	symbol	value	unit	Item	symbol	value	unit
fixed		Y/N		Sound power level (indoor/outdoor)	LWA	56/61	dB(A)
staged		Y/N		Global warning potential	GWP	675	kgCO2 eq
variable		Y		Rated air flow (indoor/outdoor)	-	600/2000	m3/h
Contact details for obtaining more information	Company: Century Carrier Residential Air Conditioning Equipment Co. Ltd Address: RM5, 5/F, Tower 3, Enterprise Square, 9 Sheung Yuet Road, Kowloon, Hong Kong Telephone: +86-757-26338546						