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.206/2012 and No.626/2011. Information to identify the model(s) to which the information relates to:

TYPE	: AIR CONDITIONER SPLIT WALL-MOUNTED
Indoor unit(s)	: 42QHP09E8S*
Outdoor unit	: 38QHP09E8S*
Brand	: Carrier

Function (indicate if present)		if fuction includes heating : Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.	
cooling	Y	Average (mandatory)	Y
heating	Y	Warmer (if designated)	Y
		Colder (if designated)	Y

Item	symbol	value	unit	Item	symbol	value	unit
Design load				Seasonal efficiency			
cooling	Pdesignc	2.64	kW	cooling	SEER	9.3	-
heating/Average	Pdesignh	2.40	kW	heating/Average	SCOP/A	5.2	-
heating/Warmer	Pdesignh	3.10	kW	heating/Warmer	SCOP/W	6.2	-
heating/Colder	Pdesignh	3.70	kW	heating/Colder	SCOP/C	4.2	-
Declared capacity(*) for cooling, at indoor temperature 27(19)℃ and outdoor temperature Tj				Declared energy efficiency ratio(*), at indoor temperature 27(19)℃ and outdoor temperature Tj			
Item	symbol	value	unit	Item	symbol	value	unit
Tj = 35℃	Pdc	2.64	kW	Tj = 35℃	EERd	5.18	-
Tj = 30℃	Pdc	1.94	kW	Tj = 30℃	EERd	7.70	-
Tj = 25℃	Pdc	1.25	kW	Tj = 25℃	EERd	10.47	-
Tj = 20℃	Pdc	0.90	kW	Tj = 20℃	EERd	16.11	-
Declared capacity(*) for heating/Average season, at indoor temperature 20℃ and outdoor temperature Tj				Declared coefficient of performance(*)/Average season, at indoor temperature 20℃ and outdoor temperature Tj			
Item	symbol	value	unit	Item	symbol	value	unit
Tj = -7℃	Pdh	2.13	kW	Tj = -7℃	COPd	3.50	-
Tj = 2℃	Pdh	1.30	kW	Tj = 2℃	COPd	5.30	-
Tj = 7℃	Pdh	0.84	kW	Tj = 7℃	COPd	6.18	-
Tj = 12℃	Pdh	0.98	kW	Tj = 12℃	COPd	8.00	-
Tj = bivalent temperature	Pdh	2.13	kW	Tj = bivalent temperature	COPd	3.50	-
Tj = operating limit	Pdh	2.80	kW	Tj = operating limit	COPd	2.30	-
Declared capacity(*) for heating/Warmer season, at indoor temperature 20℃ and outdoor temperature Tj				Declared coefficient of performance(*)/Warmer season, at indoor temperature 20℃ and outdoor temperature Tj			
Item	symbol	value	unit	Item	symbol	value	unit
Tj = 2℃	Pdh	3.10	kW	Tj = 2℃	COPd	3.55	-
Tj = 7℃	Pdh	2.00	kW	Tj = 7℃	COPd	5.37	-
Tj = 12℃	Pdh	1.00	kW	Tj = 12℃	COPd	8.08	-
Tj = bivalent temperature	Pdh	3.10	kW	Tj = bivalent temperature	COPd	3.55	-
Tj = operating limit	Pdh	3.10	kW	Tj = operating limit	COPd	3.55	-
Declared capacity(*) for heating/Colder season, at indoor temperature 20℃ and outdoor temperature Tj				Declared coefficient of performance(*)/Colder season, at indoor temperature 20℃ and outdoor temperature Tj			
Item	symbol	value	unit	Item	symbol	value	unit
Tj = -7℃	Pdh	2.24	kW	Tj = -7℃	COPd	3.54	-
Tj = 2℃	Pdh	1.37	kW	Tj = 2℃	COPd	5.34	-
Tj = 7℃	Pdh	0.88	kW	Tj = 7℃	COPd	6.22	-
Tj = 12℃	Pdh	0.88	kW	Tj = 12℃	COPd	8.10	-
Tj = bivalent temperature	Pdh	3.02	kW	Tj = bivalent temperature	COPd	2.20	-
Tj = operating limit	Pdh	3.05	kW	Tj = operating limit	COPd	1.80	-
Tj = -15℃	Pdh	3.02	kW	Tj = -15℃	COPd	2.20	-
Bivalent temperature				Operating limit temperature			
heating/Average	Tbiv	-7	℃	heating/Average	Tol	-15	℃
heating/Warmer	Tbiv	2	℃	heating/Warmer	Tol	2	℃
heating/Colder	Tbiv	-15	℃	heating/Colder	Tol	-22	℃
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	Cdh	0.25	-
Electric power input in power modes other than 'active mode'				Annual electricity consumption			
off mode	Poff	0.001	kW	cooling	Q_{CE}	100	kWh/a
standby mode	Psb	0.001	kW	heating/Average	Qhe	647	kWh/a
thermostat-off mode	Pto	0.010	kW	heating/Warmer	Qhe	700	kWh/a
crankcase heater mode	Pck	0.000	kW	heating/Colder	Qhe	1266	kWh/a

Capacity control(indicate one of the options)		Other items			
Item	Y/N	Item	symbol	value	unit
fixed	N	Sound power level (indoor/outdoor)	LWA	60/61	dB(A)
staged	N	Global warning potential	GWP	675	$kgCO_2$ eq
variable	Y	Rated air flow (indoor/outdoor)	-	540/2000	m^3/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 Fax: +86-757-26337977

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.206/2012 and No.626/2011. Information to identify the model(s) to which the information relates to:

TYPE	: AIR CONDITIONER SPLIT WALL-MOUNTED
Indoor unit(s)	: 42QHP12E8S*
Outdoor unit	: 38QHP12E8S*
Brand	: Carrier

Function (indicate if present)		if fuction includes heating : Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.	
cooling	Y	Average (mandatory)	Y
heating	Y	Warmer (if designated)	Y
		Colder (if designated)	Y

Item	symbol	value	unit	Item	symbol	value	unit
Design load				Seasonal efficiency			
cooling	Pdesignc	3.52	kW	cooling	SEER	9.0	-
heating/Average	Pdesignh	2.40	kW	heating/Average	SCOP/A	5.2	-
heating/Warmer	Pdesignh	3.10	kW	heating/Warmer	SCOP/W	6.2	-
heating/Colder	Pdesignh	3.70	kW	heating/Colder	SCOP/C	4.2	-
Declared capacity(*) for cooling, at indoor temperature 27(19)℃ and outdoor temperature Tj				Declared energy efficiency ratio(*), at indoor temperature 27(19)℃ and outdoor temperature Tj			
Item	symbol	value	unit	Item	symbol	value	unit
Tj = 35℃	Pdc	3.52	kW	Tj = 35℃	EERd	4.40	-
Tj = 30℃	Pdc	2.59	kW	Tj = 30℃	EERd	6.80	-
Tj = 25℃	Pdc	1.66	kW	Tj = 25℃	EERd	10.50	-
Tj = 20℃	Pdc	0.90	kW	Tj = 20℃	EERd	16.10	-
Declared capacity(*) for heating/Average season, at indoor temperature 20℃ and outdoor temperature Tj				Declared coefficient of performance(*)/Average season, at indoor temperature 20℃ and outdoor temperature Tj			
Item	symbol	value	unit	Item	symbol	value	unit
Tj = -7℃	Pdh	2.13	kW	Tj = -7℃	COPd	3.50	-
Tj = 2℃	Pdh	1.30	kW	Tj = 2℃	COPd	5.30	-
Tj = 7℃	Pdh	0.84	kW	Tj = 7℃	COPd	6.18	-
Tj = 12℃	Pdh	0.98	kW	Tj = 12℃	COPd	8.00	-
Tj = bivalent temperature	Pdh	2.13	kW	Tj = bivalent temperature	COPd	3.50	-
Tj = operating limit	Pdh	2.80	kW	Tj = operating limit	COPd	2.30	-
Declared capacity(*) for heating/Warmer season, at indoor temperature 20℃ and outdoor temperature Tj				Declared coefficient of performance(*)/Warmer season, at indoor temperature 20℃ and outdoor temperature Tj			
Item	symbol	value	unit	Item	symbol	value	unit
Tj = 2℃	Pdh	3.10	kW	Tj = 2℃	COPd	3.55	-
Tj = 7℃	Pdh	2.00	kW	Tj = 7℃	COPd	5.37	-
Tj = 12℃	Pdh	1.00	kW	Tj = 12℃	COPd	8.08	-
Tj = bivalent temperature	Pdh	3.10	kW	Tj = bivalent temperature	COPd	3.55	-
Tj = operating limit	Pdh	3.10	kW	Tj = operating limit	COPd	3.55	-
Declared capacity(*) for heating/Colder season, at indoor temperature 20℃ and outdoor temperature Tj				Declared coefficient of performance(*)/Colder season, at indoor temperature 20℃ and outdoor temperature Tj			
Item	symbol	value	unit	Item	symbol	value	unit
Tj = -7℃	Pdh	2.24	kW	Tj = -7℃	COPd	3.54	-
Tj = 2℃	Pdh	1.37	kW	Tj = 2℃	COPd	5.34	-
Tj = 7℃	Pdh	0.88	kW	Tj = 7℃	COPd	6.22	-
Tj = 12℃	Pdh	0.88	kW	Tj = 12℃	COPd	8.10	-
Tj = bivalent temperature	Pdh	3.02	kW	Tj = bivalent temperature	COPd	2.20	-
Tj = operating limit	Pdh	3.05	kW	Tj = operating limit	COPd	1.80	-
Tj = -15℃	Pdh	3.02	kW	Tj = -15℃	COPd	2.20	-
Bivalent temperature				Operating limit temperature			
heating/Average	Tbiv	-7	℃	heating/Average	Tol	-15	℃
heating/Warmer	Tbiv	2	℃	heating/Warmer	Tol	2	℃
heating/Colder	Tbiv	-15	℃	heating/Colder	Tol	-22	℃
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	Cdh	0.25	-
Electric power input in power modes other than 'active mode'				Annual electricity consumption			
off mode	Poff	0.001	kW	cooling	Q_{CE}	137	kWh/a
standby mode	Psb	0.001	kW	heating/Average	Qhe	647	kWh/a
thermostat-off mode	Pto	0.010	kW	heating/Warmer	Qhe	700	kWh/a
crankcase heater mode	Pck	0.000	kW	heating/Colder	Qhe	1266	kWh/a

Capacity control(indicate one of the options)		Other items			
Item	Y/N	Item	symbol	value	unit
fixed	N	Sound power level (indoor/outdoor)	LWA	60/63	dB(A)
staged	N	Global warning potential	GWP	675	$kgCO_2$ eq
variable	Y	Rated air flow (indoor/outdoor)	-	570/2000	m^3/h

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