

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:							
AIR CONDITIONER							
TYPE : SPLIT							
Indoor unit(s) : WALL-MOUNTED							
Outdoor unit : 42QHC009D8S×2							
Brand : 38QUS018D8S2							
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 least the heating season 'Average'.			
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	5.20	kW	cooling	SEER	6.6	-
heating/Average	Pdesignh	4.80	kW	heating/Average	SCOP/A	3.8	-
heating/Warmer	Pdesignh	x.xx	kW	heating/Warmer	SCOP/W	x.x	-
heating/Colder	Pdesignh	x.xx	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	5.20	kW	Tj = 35°C	EERd	2.94	-
Tj = 30°C	Pdc	3.64	kW	Tj = 30°C	EERd	4.60	-
Tj = 25°C	Pdc	2.34	kW	Tj = 25°C	EERd	8.20	-
Tj = 20°C	Pdc	1.10	kW	Tj = 20°C	EERd	16.22	-
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	4.25	kW	Tj = -7°C	COPd	2.50	-
Tj = 2°C	Pdh	2.59	kW	Tj = 2°C	COPd	3.68	-
Tj = 7°C	Pdh	1.67	kW	Tj = 7°C	COPd	5.20	-
Tj = 12°C	Pdh	1.60	kW	Tj = 12°C	COPd	6.00	-
Tj = bivalent temperature	Pdh	4.25	kW	Tj = bivalent temperature	COPd	2.50	-
Tj = operating limit	Pdh	3.30	kW	Tj = operating limit	COPd	2.00	-
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	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	-
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 Tj			
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	-10	°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	Pcyc	x,x	kW	heating/Average	EERcyc	x,x	-
for heating	Pcyc	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	0.009	kW	cooling	Q _{CE}	276	kWh/a
standby mode	Psb	0.009	kW	heating/Average	Q _{he}	1769	kWh/a
thermostat-off mode	Pto	0.010	kW	heating/Warmer	Q _{he}	x	kWh/a
crankcase heater mode	Pck	0.000	kW	heating/Colder	Q _{he}	x	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	53/65	dB(A)
staged	N			Global warming potential	GWP	675	kgCO ₂ eq
variable	Y			Rated air flow (indoor/outdoor)	-	490/2100	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						

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AIR CONDITIONER							
TYPE : SPLIT							
Indoor unit(s) : WALL-MOUNTED							
Outdoor unit : 42QHC009D8S×3							
Brand : 38QUS027D8S3							
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 least the heating season 'Average'.			
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	7.70	kW	cooling	SEER	6.3	-
heating/Average	Pdesignh	5.80	kW	heating/Average	SCOP/A	4.0	-
heating/Warmer	Pdesignh	x.xx	kW	heating/Warmer	SCOP/W	x.x	-
heating/Colder	Pdesignh	x.xx	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	7.70	kW	Tj = 35°C	EERd	3.03	-
Tj = 30°C	Pdc	5.67	kW	Tj = 30°C	EERd	4.55	-
Tj = 25°C	Pdc	3.65	kW	Tj = 25°C	EERd	7.70	-
Tj = 20°C	Pdc	1.63	kW	Tj = 20°C	EERd	13.49	-
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	5.13	kW	Tj = -7°C	COPd	2.55	-
Tj = 2°C	Pdh	3.13	kW	Tj = 2°C	COPd	3.95	-
Tj = 7°C	Pdh	2.01	kW	Tj = 7°C	COPd	5.10	-
Tj = 12°C	Pdh	1.50	kW	Tj = 12°C	COPd	6.70	-
Tj = bivalent temperature	Pdh	5.13	kW	Tj = bivalent temperature	COPd	2.55	-
Tj = operating limit	Pdh	5.80	kW	Tj = operating limit	COPd	1.90	-
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	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	-
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 Tj			
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	-10	°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	Pcyc	x,x	kW	heating/Average	EERcyc	x,x	-
for heating	Pcyc	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	0.013	kW	cooling	Qce	428	kWh/a
standby mode	Psb	0.013	kW	heating/Average	Qhe	2030	kWh/a
thermostat-off mode	Pto	0.013	kW	heating/Warmer	Qhe	x	kWh/a
crankcase heater mode	Pck	0.000	kW	heating/Colder	Qhe	x	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	53/68	dB(A)
staged	N			Global warming potential	GWP	675	kgCO ₂ eq
variable	Y			Rated air flow (indoor/outdoor)	-	490/2700	m ³ /h
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AIR CONDITIONER							
TYPE : SPLIT							
Indoor unit(s) : WALL-MOUNTED							
Outdoor unit : 42QHC009D8S×4							
Brand : 38QUS036D8S4							
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 least the heating season 'Average'.			
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	10.20	kW	cooling	SEER	6.5	-
heating/Average	Pdesignh	8.80	kW	heating/Average	SCOP/A	3.8	-
heating/Warmer	Pdesignh	x.xx	kW	heating/Warmer	SCOP/W	x.x	-
heating/Colder	Pdesignh	x.xx	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	10.20	kW	Tj = 35°C	EERd	2.82	-
Tj = 30°C	Pdc	7.51	kW	Tj = 30°C	EERd	4.70	-
Tj = 25°C	Pdc	4.59	kW	Tj = 25°C	EERd	8.30	-
Tj = 20°C	Pdc	2.25	kW	Tj = 20°C	EERd	14.00	-
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	7.79	kW	Tj = -7°C	COPd	2.00	-
Tj = 2°C	Pdh	4.74	kW	Tj = 2°C	COPd	3.87	-
Tj = 7°C	Pdh	3.05	kW	Tj = 7°C	COPd	5.30	-
Tj = 12°C	Pdh	2.40	kW	Tj = 12°C	COPd	6.70	-
Tj = bivalent temperature	Pdh	7.79	kW	Tj = bivalent temperature	COPd	2.00	-
Tj = operating limit	Pdh	7.30	kW	Tj = operating limit	COPd	1.70	-
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	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	-
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 Tj			
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	-10	°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	Pcyc	x,x	kW	heating/Average	EERcyc	x,x	-
for heating	Pcyc	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	0.016	kW	cooling	Qce	550	kWh/a
standby mode	Psb	0.016	kW	heating/Average	Qhe	3242	kWh/a
thermostat-off mode	Pto	0.029	kW	heating/Warmer	Qhe	x	kWh/a
crankcase heater mode	Pck	0.000	kW	heating/Colder	Qhe	x	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	53/70	dB(A)
staged	N			Global warming potential	GWP	675	kgCO ₂ eq
variable	Y			Rated air flow (indoor/outdoor)	-	490/3800	m ³ /h
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AIR CONDITIONER							
TYPE : SPLIT							
Indoor unit(s) : WALL-MOUNTED							
Outdoor unit : 42QHC009D8S×5							
Brand : 38QUS042D8S5							
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 least the heating season 'Average'.			
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	12.00	kW	cooling	SEER	6.8	-
heating/Average	Pdesignh	9.20	kW	heating/Average	SCOP/A	3.8	-
heating/Warmer	Pdesignh	x.xx	kW	heating/Warmer	SCOP/W	x.x	-
heating/Colder	Pdesignh	x.xx	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	12.00	kW	Tj = 35°C	EERd	3.08	-
Tj = 30°C	Pdc	8.40	kW	Tj = 30°C	EERd	4.85	-
Tj = 25°C	Pdc	5.40	kW	Tj = 25°C	EERd	8.30	-
Tj = 20°C	Pdc	2.65	kW	Tj = 20°C	EERd	16.01	-
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	8.14	kW	Tj = -7°C	COPd	2.20	-
Tj = 2°C	Pdh	4.96	kW	Tj = 2°C	COPd	3.80	-
Tj = 7°C	Pdh	3.19	kW	Tj = 7°C	COPd	5.10	-
Tj = 12°C	Pdh	2.20	kW	Tj = 12°C	COPd	6.01	-
Tj = bivalent temperature	Pdh	8.14	kW	Tj = bivalent temperature	COPd	2.20	-
Tj = operating limit	Pdh	8.80	kW	Tj = operating limit	COPd	2.10	-
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	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	-
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 Tj			
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	-10	°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	Pcyc	x,x	kW	heating/Average	EERcyc	x,x	-
for heating	Pcyc	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	0.018	kW	cooling	Q _{CE}	618	kWh/a
standby mode	Psb	0.018	kW	heating/Average	Q _{he}	3390	kWh/a
thermostat-off mode	Pto	0.034	kW	heating/Warmer	Q _{he}	x	kWh/a
crankcase heater mode	Pck	0.000	kW	heating/Colder	Q _{he}	x	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	53/73	dB(A)
staged	N			Global warming potential	GWP	675	kgCO ₂ eq
variable	Y			Rated air flow (indoor/outdoor)	-	490/3800	m ³ /h
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