RDE Service
TOUS CORPS D'ÉTAT
SAMSUNG
RDE Service - 2 rue Le Corbusier, 95190 Goussainville - 07 56 90 60 94 - contact@rdeservice.fr - Produit commandé via : https://rdeservice.fr/boutique/residentiel/samsung-ar50f12c1ahn-eu-ar50f12c1ahx-eu/

ErP Information(AC Product) **AR50F12C1AHN/AR50F12C1AHX**

According to Commission Regulation (EU) No 206/2012

Function (indicate if persent)				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		Y	
heating		Y		Warmer		Y	
				Colder		N	
Item	symbol	value	unit	Item	symbol	value	unit
Design load				Seasonal efficiency			
Cooling	Pdesignc	3,5	kW	cooling	SEER	7,0	-
heating/Average	Pdesignh	2,2	kW	heating/Average	SCOP/A	4,2	-
heating/Warmer	Pdesignh	1,2	kW	heating/Warmer	SCOP/W	4,9	-
heating/Colder	Pdesignh	-	kW	heating/Colder	SCOP/C	-	-
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	3,5	kW	Tj = 35 ℃	EERd	3,3	-
Tj = 30 ℃	Pdc	2,5	kW	Tj = 30 ℃	EERd	4,8	-
Tj = 25 ℃	Pdc	1,6	kW	Tj = 25 ℃	EERd	9,0	-
Tj = 20 ℃	Pdc	1,3	kW	Tj = 20 ℃	EERd	13,2	-
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			
Tj = - 7 ℃	Pdh	1,9	kW	Tj = -7 ℃	COPd	2,9	-
Tj = 2 ℃	Pdh	1,19	kW	Tj = 2 ℃	COPd	4,3	-
Tj = 7 ℃	Pdh	0,9	kW	Tj = 7 ℃	COPd	5,3	-
Tj = 12 ℃	Pdh	1,1	kW	Tj = 12 ℃	COPd	6,5	-
Tj = bivalent temperature	Pdh	2,2	kW	Tj = bivalent temperature	COPd	2,6	-
Tj = operating limit	Pdh	2,2	kW	Tj = operating limit	COPd	2,6	-
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			
Tj = 2 ℃	Pdh	1,19	kW	Tj = 2 ℃	COPd	4,0	-
Tj = 7 ℃	Pdh	0,9	kW	Tj = 7 ℃	COPd	5,1	-
Tj = 12 ℃	Pdh	1,1	kW	Tj = 12 ℃	COPd	6,4	-
Tj = bivalent temperature	Pdh	1,2	kW	Tj = bivalent temperature	COPd	4,0	-
Tj = operating limit	Pdh	2,1	kW	Tj = operating limit	COPd	2,6	-
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			
Tj = -7 ℃	Pdh	-	kW	Tj = -7 ℃	COPd	-	-
Tj = 2 ℃	Pdh	-	kW	Tj = 2 ℃	COPd	-	-
Tj = 7 ℃	Pdh	-	kW	Tj = 7 ℃	COPd	-	-
Tj = 12 ℃	Pdh	-	kW	Tj = 12 ℃	COPd	-	-
Tj = bivalent temperature	Pdh	-	kW	Tj = bivalent temperature	COPd	-	-
Tj = operating limit	Pdh	-	kW	Tj = operating limit	COPd	-	-
Tj = -15 ℃	Pdh	-	kW	Tj = -15 ℃	COPd	-	-
Bivalent temperature				Operating limit temperature			
heating/Average	Tbiv	-10	℃	heating/Average	Tol	-11	℃
heating/Warmer	Tbiv	2	℃	heating/Warmer	Tol	-11	℃
heating/Colder	Tbiv	-	℃	heating/Colder	Tol	-	℃
Cycling interval capacity				Cycling interval efficiency			
for cooling	Pcycc	-	kW	for cooling	EERcyc	-	-
for heating	Pcych	-	kW	for heating	COPcyc	-	-
Degradation co-efficient cooling(**)	Cdc	0,25	kW	Degradation co-efficient heating(**)	Cdh	0,25	-
Electric power input in power modes other than 'active mode'				Annual electricity consumption			
off mode	POFF	0,0015	kW	cooling	QCE	175	kWh/a
standby mode	PSB	0,0015	kW	heating/Average	QHE	733	kWh/a
thermostat-off mode	PTO	0,01	kW	heating/Warmer	QHE	343	kWh/a
crankcase heater mode	PCK	0	kW	heating/Colder	QHE	-	kWh/a
Capacity control (indicate one of three options)				Other items			
fixed	N			Sound power level (indoor/outdoor)	LWA	56,0 / 63,0	dB(A)
staged	N			Global warming potential	GWP	675	kgCO2 eq.
variable	Y			Rated air flow (indoor/outdoor)	-	690/2700	m3/h
Contact details for obtaining more information							

(*) For staged capacity units, two values divided by a slash ('/') will be declared in each box in the section 'Declared capacity of the unit' and 'declared EER/COP' of unit.

(**) 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.