

According to Commission Regulation (EU) No 206/2012

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		Y	
heating		Y		Warmer (if designated)		N	
				Colder (if designated)		Y	
Item	symbol	value	unit	Item	symbol	value	unit
Design load				Seasonal efficiency			
Cooling	P _{designc}	3,5	kW	cooling	SEER	6,5	-
heating/Average	P _{designh}	3,0	kW	heating/Average	SCOP/A	4,1	-
heating/Warmer	P _{designh}	-	kW	heating/Warmer	SCOP/W	-	-
heating/Colder	P _{designh}	4,0	kW	heating/Colder	SCOP/C	3,4	-
Declared capacity(*) for cooling, at indoor temperature 27(19) °C and outdoor temperature T _j				Declared energy efficiency ratio(*), at indoor temperature 27(19) °C and outdoor temperature T _j			
Item	symbol	value	unit	Item	symbol	value	unit
T _j = 35 °C	P _{dc}	3,5	kW	T _j = 35 °C	EER _d	3,9	-
T _j = 30 °C	P _{dc}	2,7	kW	T _j = 30 °C	EER _d	5,1	-
T _j = 25 °C	P _{dc}	1,9	kW	T _j = 25 °C	EER _d	8,8	-
T _j = 20 °C	P _{dc}	1,6	kW	T _j = 20 °C	EER _d	10,3	-
Declared capacity(*) for heating/Average season, at indoor temperature 20 °C and outdoor temperature T _j				Declared coefficient of performance(*)/Average season, at indoor temperature 20 °C and outdoor temperature T _j			
T _j = -7 °C	P _{dh}	2,6	kW	T _j = -7 °C	COP _d	2,4	-
T _j = 2 °C	P _{dh}	1,7	kW	T _j = 2 °C	COP _d	4,4	-
T _j = 7 °C	P _{dh}	1,0	kW	T _j = 7 °C	COP _d	4,9	-
T _j = 12 °C	P _{dh}	1,2	kW	T _j = 12 °C	COP _d	6,6	-
T _j = bivalent temperature	P _{dh}	3,0	kW	T _j = bivalent temperature	COP _d	2,2	-
T _j = operating limit	P _{dh}	3,0	kW	T _j = operating limit	COP _d	2,2	-
Declared capacity(*) for heating/Warmer season, at indoor temperature 20 °C and outdoor temperature T _j				Declared coefficient of performance(*)/Warmer season, at indoor temperature 20 °C and outdoor temperature T _j			
T _j = 2 °C	P _{dh}	-	kW	T _j = 2 °C	COP _d	-	-
T _j = 7 °C	P _{dh}	-	kW	T _j = 7 °C	COP _d	-	-
T _j = 12 °C	P _{dh}	-	kW	T _j = 12 °C	COP _d	-	-
T _j = bivalent temperature	P _{dh}	-	kW	T _j = bivalent temperature	COP _d	-	-
T _j = operating limit	P _{dh}	-	kW	T _j = operating limit	COP _d	-	-
Declared capacity(*) for heating/Colder season, at indoor temperature 20 °C and outdoor temperature T _j				Declared coefficient of performance(*)/Colder season, at indoor temperature 20 °C and outdoor temperature T _j			
T _j = -7 °C	P _{dh}	2,5	kW	T _j = -7 °C	COP _d	2,8	-
T _j = 2 °C	P _{dh}	1,6	kW	T _j = 2 °C	COP _d	4,1	-
T _j = 7 °C	P _{dh}	1,0	kW	T _j = 7 °C	COP _d	4,7	-
T _j = 12 °C	P _{dh}	1,2	kW	T _j = 12 °C	COP _d	6,0	-
T _j = bivalent temperature	P _{dh}	3,3	kW	T _j = bivalent temperature	COP _d	2,1	-
T _j = operating limit	P _{dh}	3,0	kW	T _j = operating limit	COP _d	1,9	-
T _j = -15 °C	P _{dh}	3,3	kW	T _j = -15 °C	COP _d	2,1	-
Bivalent temperature				Operating limit temperature			
heating/Average	T _{biv}	-10	°C	heating/Average	T _{ol}	-10	°C
heating/Warmer	T _{biv}	-	°C	heating/Warmer	T _{ol}	-	°C
heating/Colder	T _{biv}	-15	°C	heating/Colder	T _{ol}	-25	°C
Cycling interval capacity				Cycling interval efficiency			
for cooling	P _{cycc}	-	kW	for cooling	EER _{cycc}	-	-
for heating	P _{cyhc}	-	kW	for heating	COP _{cyhc}	-	-
Degradation co-efficient cooling(**)	C _{dc}	0,25	kW	Degradation co-efficient heating(**)	C _{dh}	0,25	-
Electric power input in power modes other than 'active mode'				Annual electricity consumption			
off mode	P _{OFF}	0,0	kW	cooling	Q _{CE}	188	kWh/a
standby mode	P _{SB}	0,0	kW	heating/Average	Q _{HE}	1024	kWh/a
thermostat-off mode	P _{TO}	0,0	kW	heating/Warmer	Q _{HE}	-	kWh/a
crankcase heater mode	P _{CK}	0,0	kW	heating/Colder	Q _{HE}	2471	kWh/a
Capacity control (indicate one of three options)				Other items			
fixed	N			Sound power level (indoor/outdoor)	L _{WA}	60,0/62,0	dB(A)
staged	N			Global warming potential	GWP	1975	kgCO ₂ eq.
variable	Y			Rated air flow (indoor/outdoor)	-	750/1980	m ³ /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 C_d = 0,25 is chosen then (results from) cycling tests are not required. Otherwise either the heating or cooling cycling test value is required.

Energy Labeling Information(AC product)

According to Commission Regulation (EU) No 626/2011

Supplier's name	-	Samsung Electronics Co., Ltd.
Model name (Indoor/Outdoor)	-	AR12FSFKBWTN / AR12FSFKBWTX
Sound Power Level (Inside/Outside)	dBA	60 / 62
Refrigerant name ¹⁾	-	R-410a
GWP	-	1975
SEER		6.5
Energy efficiency class (SEER)	-	A++
Q _{CE} ²⁾ (cooling season)	kWh/a	188
P _{designc}	kW	3.5
SCOP	-	4.1
Energy efficiency class (SCOP)	-	A+
Q _{HE} ³⁾ (heating season)	kWh/a	1024
Other heating seasons suitable for use	-	Colder Season
P _{designh} (Average)	kW	3.0
elbu(Tj) (Average)	kW	0
P _{designh} (Warmer)	kW	X
elbu(Tj) (Warmer)	kW	X
P _{designh} (Colder)	kW	4.0
elbu(Tj) (Colder)	kW	2.96
Declared capacity at reference design conditions	kW	3.0
Assumed backup heating capacity	kW	0

- 1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to [1975]. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be [1975] times higher than 1 kg of CO₂, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.
- 2) Energy consumption "XYZ" kWh per year, based on standard test results.
Actual energy consumption will depend on how the appliance is used and where it is located.
- 3) Energy consumption "XYZ" kWh per year, based on standard test results.
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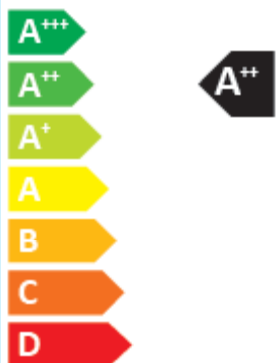
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SAMSUNG

AR12FSFKBWTN/AR12FSFKBWTX

SEER



A++

kW 3,5
SEER 6,5
kWh/annum 188

SCOP



A+

A

kW	X	3,0	4,0
SCOP	X	4,1	3,4
kWh/annum	X	1024	2471



60dB



62dB



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