

Model name

AA09SP U18 (Outdoor unit) / AA09SB NS1 (Indoor unit)

Function (indicate if present)		
cooling	Y	
heating	Y	

If the 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'.

Average (mandatory)	Y
Warmer (if designated)	Y
Colder (if designated)	N

Item	symbol	value	unit
Design load			
cooling	Pdesignc	2,5	kW
heating / Average	Pdesignh	2,8	kW
heating / Warmer	Pdesignh	1,5	kW
heating / Colder	Pdesignh	x,x	kW

Item	symbol	value	unit
Seasonal efficiency			
cooling	SEER	9,7	-
heating / Average	SCOP/A	5,1	-
heating / Warmer	SCOP/W	6,1	-
heating / Colder	SCOP/C	x,x	-

Declared capacity* for cooling, at indoor temperature 27(19)°C and outdoor temperature Tj

Tj=35°C	Pdc	2,50	kW
Tj=30°C	Pdc	1,85	kW
Tj=25°C	Pdc	1,18	kW
Tj=20°C	Pdc	1,16	kW

Declared Energy efficiency ratio* for cooling, at indoor temperature 27(19)°C and outdoor temperature Tj

Tj=35°C	EERd	4,90
Tj=30°C	EERd	7,77
Tj=25°C	EERd	11,34
Tj=20°C	EERd	18,50

Declared capacity* for heating / Average climate, at indoor temperature 20°C and outdoor temperature Td

Tj=-7°C	Pdh	2,36	kW
Tj=2°C	Pdh	1,50	kW
Tj=7°C	Pdh	0,94	kW
Tj=12°C	Pdh	0,47	kW
Tj=bivalent temperature	Pdh	2,80	kW
Tj=operating limit	Pdh	2,80	kW

Declared Coefficient of performance* for heating / Average climate, at indoor temperature 20°C and outdoor temperature Tj

Tj=-7°C	COPd	3,64
Tj=2°C	COPd	5,01
Tj=7°C	COPd	5,95
Tj=12°C	COPd	7,60
Tj=bivalent temperature	COPd	3,23
Tj=operating limit	COPd	3,23

Declared capacity* for heating / Warmer climate, at indoor temperature 20°C and outdoor temperature Tj

Tj=2°C	Pdh	1,50	kW
Tj=7°C	Pdh	0,94	kW
Tj=12°C	Pdh	0,80	kW
Tj=bivalent temperature	Pdh	1,50	kW
Tj=operating limit	Pdh	1,50	kW

Declared Coefficient of performance* / Warmer climate, at indoor temperature 20°C and outdoor temperature Tj

Tj=2°C	COPd	5,01
Tj=7°C	COPd	5,95
Tj=12°C	COPd	7,54
Tj=bivalent temperature	COPd	5,01
Tj=operating limit	COPd	5,01

Declared capacity* for heating / Colder climate, at indoor temperature 20°C and outdoor temperature Tj

Tj=-7°C	Pdh	x,x	kW
Tj=2°C	Pdh	x,x	kW
Tj=7°C	Pdh	x,x	kW
Tj=12°C	Pdh	x,x	kW
Tj=bivalent temperature	Pdh	x,x	kW
Tj=operating limit	Pdh	x,x	kW
Tj=-15°C	Pdh	x,x	kW

Declared Coefficient of performance* / Colder climate, at indoor temperature 20°C and outdoor temperature Tj

Tj=-7°C	COPd	x,x
Tj=2°C	COPd	x,x
Tj=7°C	COPd	x,x
Tj=12°C	COPd	x,x
Tj=bivalent temperature	COPd	x,x
Tj=operating limit	COPd	x,x
Tj=-15°C	COPd	x,x

Bivalent temperature

heating / Average	Tbiv	-10	°C
heating / Warmer	Tbiv	2	°C
heating / Colder	Tbiv	x	°C

Operating limit temperature

heating / Average	Tol	-10	°C
heating / Warmer	Tol	2	°C
heating / Colder	Tol	x	°C

Cycling interval capacity

for cooling	Pcycc	x,x	kW
for heating	Pcyh	x,x	kW

Cycling interval efficiency

for cooling	EERcyc	x,x
for heating	COPcyc	x,x

Degradation co-efficient

cooling**	Cdc	0,25
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Degradation co-efficient

heating**	Cdh	0,25
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Electric power input in power modes other than 'active mode'

off mode	P _{OFF}	0,001	kW
standby mode	P _{SB}	0,001	kW
thermostat-off mode	P _{TO}	0,0093	kW
crankcase heater mode	P _{CK}	0	kW

Annual electricity consumption

cooling	Q _{CE}	90	kWh/a
heating / Average	Q _{HE}	769	kWh/a
heating / Warmer	Q _{HE}	344	kWh/a
heating / Colder	Q _{HE}	xx	kWh/a

Capacity control (indicate one of three options)

fixed	N
staged	N
variable	Y

Other items

Sound power level (indoor/outdoor)	L _{WA}	60 / 60	dB(A)
Global warming potential	GWP	675	kgCO ₂ eq.
Rated air flow (indoor/outdoor)	-	816 / 2100	m ³ /h

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*= 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 the 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.

