

# Model name

## P09EN UA3 (Outdoor unit) / P09EN NSJ (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)	N
Colder (if designated)	N

Item	symbol	value	unit
<b>Design load</b>			
cooling	Pdesignc	2,5	kW
heating / Average	Pdesignh	2,4	kW
heating / Warmer	Pdesignh	x,x	kW
heating / Colder	Pdesignh	x,x	kW

Item	symbol	value	unit
<b>Seasonal efficiency</b>			
cooling	SEER	6,5	-
heating / Average	SCOP/A	4,0	-
heating / Warmer	SCOP/W	x,x	-
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	1,19	kW
Tj=20°C	Pdc	1,34	kW

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

Tj=35°C	EERd	3,73
Tj=30°C	EERd	5,86
Tj=25°C	EERd	8,15
Tj=20°C	EERd	12,65

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

Tj=-7°C	Pdh	2,13	kW
Tj=2°C	Pdh	1,35	kW
Tj=7°C	Pdh	0,88	kW
Tj=12°C	Pdh	1,17	kW
Tj=bivalent temperature	Pdh	2,22	kW
Tj=operating limit	Pdh	2,40	kW

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

Tj=-7°C	COPd	2,92
Tj=2°C	COPd	4,05
Tj=7°C	COPd	4,63
Tj=12°C	COPd	6,32
Tj=bivalent temperature	COPd	2,98
Tj=operating limit	COPd	2,77

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

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

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

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

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	-8	°C
heating / Warmer	Tbiv	x	°C
heating / Colder	Tbiv	x	°C

Operating limit temperature

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

Cycling interval capacity

for cooling	Pcycc	x,x	kW
for heating	Pcyhc	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 <sub>OFF</sub>	0,006	kW
standby mode	P <sub>SB</sub>	0,006	kW
thermostat-off mode	P <sub>TO</sub>	0,013	kW
crankcase heater mode	P <sub>CK</sub>	0	kW

Annual electricity consumption

cooling	Q <sub>CE</sub>	134	kWh/a
heating / Average	Q <sub>HE</sub>	840	kWh/a
heating / Warmer	Q <sub>HE</sub>	xx	kWh/a
heating / Colder	Q <sub>HE</sub>	xx	kWh/a

Capacity control (indicate one of three options)

fixed	N
staged	N
variable	Y

Other items

Sound power level (indoor/outdoor)	L <sub>WA</sub>	59 / 65	dB(A)
Global warming potential	GWP	2 087,5	kgCO <sub>2</sub> eq.
Rated air flow (indoor/outdoor)	-	690 / 1 620	m <sup>3</sup> /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.

