Ecodesign Requirement

Model: FSAIF-NORD-120DE3 / FSOAIF-NORD-120DE3							
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	3,5	kW	cooling	SEER	8,5	—
heating/Average	Pdesignh	3,2	kW	heating/Average	SCOP/A	4,6	—
heating/Warmer	Pdesignh	NA	kW	heating/Warmer	SCOP/W	NA	—
heating/Colder	Pdesignh	NA	kW	heating/Colder	SCOP/C	NA	—
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			
Tj = 35 ℃	Pdc	3,5	kW	Tj = 35 ℃	EERd	4,4	—
Tj = 30 ℃	Pdc	2,6	kW	Tj = 30 ℃	EERd	6,7	—
Tj = 25 ℃	Pdc	1,7	kW	Tj = 25 ℃	EERd	10,3	—
Tj = 20 ℃	Pdc	1,3	kW	Tj = 20 ℃	EERd	15,8	—

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			
Tj = – 7 °C	Pdh	2,8	kW	Tj = – 7 °C	COPd	2,8	—
Tj = 2 °C	Pdh	1,7	kW	Tj = 2 °C	COPd	4,7	—
Tj = 7 °C	Pdh	1,1	kW	Tj = 7 °C	COPd	6,0	—
Tj = 12 °C	Pdh	1,0	kW	Tj = 12 °C	COPd	7,2	—
Tj = bivalent temperature	Pdh	2,8	kW	Tj = bivalent temperature	COPd	2,8	—
Tj = operating limit	Pdh	2,5	kW	Tj = operating limit	COPd	2,7	—
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			
Tj = 2 °C	Pdh	NA	kW	Tj = 2 °C	COPd	NA	—
Tj = 7 °C	Pdh	NA	kW	Tj = 7 °C	COPd	NA	—
Tj = 12 °C	Pdh	NA	kW	Tj = 12 °C	COPd	NA	—
Tj = bivalent temperature	Pdh	NA	kW	Tj = bivalent temperature	COPd	NA	—
Tj = operating limit	Pdh	NA	kW	Tj = operating limit	COPd	NA	—
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			
Tj = – 7 °C	Pdh	NA	kW	Tj = – 7 °C	COPd	NA	—
Tj = 2 °C	Pdh	NA	kW	Tj = 2 °C	COPd	NA	—
Tj = 7 °C	Pdh	NA	kW	Tj = 7 °C	COPd	NA	—
Tj = 12 °C	Pdh	NA	kW	Tj = 12 °C	COPd	NA	—
Tj = bivalent temperature	Pdh	NA	kW	Tj = bivalent temperature	COPd	NA	—
Tj = operating limit	Pdh	NA	kW	Tj = operating limit	COPd	NA	—
Tj = – 15 °C	Pdh	NA	kW	Tj = – 15 °C	COPd	NA	—

Bivalent temperature				Operating limit temperature			
heating/Average	Tbiv	-7	℃	heating/Average	Tol	-10	℃
heating/Warmer	Tbiv	NA	℃	heating/Warmer	Tol	NA	℃
heating/Colder	Tbiv	NA	℃	heating/Colder	Tol	NA	℃
Cycling interval capacity				Cycling interval efficiency			
for cooling	Pcycc	NA	kW	cooling	EERcyc	NA	—
for heating	Pcych	NA	kW	heating	COPcyc	NA	—
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	P_{OFF}	0,0015	Kw	cooling	Q_{CE}	144	kWh/a
standby mode	P_{SB}	0,0015	kW	heating/Average	Q_{HE}	974	kWh/a
thermostat-off mode(Cool/Heat)	P_{TO}	0,024	kW	heating/Warmer	Q_{HE}	NA	kWh/a
crankcase heater mode	P_{CK}	NA	kW	heating/Colder	Q_{HE}	NA	kWh/a
Capacity control (indicate one of three options)				Other items			
fixed		N		Sound power level (indoor/outdoor)	LWA	56/62	dB(A)
staged		N		Global warming potential	GWP	675	$kgCO_2$ eq.
variable		Y		Rated air flow (indoor/outdoor)	—	700/2000	m^3/h
Contact details for obtaining more information	Fisher Aircon Solutions Llc.						

*For multisplit appliances, data is provided at capacity ratio of 1.