



Ecodesign Requirement

Model: FSAIF-NORD-180DE3 /FSOAIF-NORD-180DE3							
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	5,0	kW	cooling	SEER	8,1	—
heating/Average	Pdesignh	4,0	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 °C	Pdc	5,0	kW	Tj = 35 °C	EERd	4,0	—
Tj = 30 °C	Pdc	3,9	kW	Tj = 30 °C	EERd	6,0	—
Tj = 25 °C	Pdc	2,3	kW	Tj = 25 °C	EERd	10,1	—
Tj = 20 °C	Pdc	1,8	kW	Tj = 20 °C	EERd	15,1	—

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	3,5	kW	Tj = – 7 °C	COPd	2,9	—
Tj = 2 °C	Pdh	2,2	kW	Tj = 2 °C	COPd	4,6	—
Tj = 7 °C	Pdh	1,4	kW	Tj = 7 °C	COPd	5,9	—
Tj = 12 °C	Pdh	1,4	kW	Tj = 12 °C	COPd	7,7	—
Tj = bivalent temperature	Pdh	3,5	kW	Tj = bivalent temperature	COPd	2,9	—
Tj = operating limit	Pdh	3,3	kW	Tj = operating limit	COPd	3,1	—
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	T _{biv}	-7	°C	heating/Average	T _{ol}	-10	°C
heating/Warmer	T _{biv}	NA	°C	heating/Warmer	T _{ol}	NA	°C
heating/Colder	T _{biv}	NA	°C	heating/Colder	T _{ol}	NA	°C
Cycling interval capacity				Cycling interval efficiency			
for cooling	P _{cyc}	NA	kW	cooling	EER _{cyc}	NA	—
for heating	P _{ych}	NA	kW	heating	COP _{cyc}	NA	—
Degradation co-efficient cooling(**)	C _{dc}	0.25	—	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}	0,001	Kw	cooling	Q _{CE}	216	kWh/a
standby mode	P _{SB}	0,001	kW	heating/Average	Q _{HE}	1217	kWh/a
thermostat-off mode(Cool/Heat)	P _{TO}	0,037	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	60/65	dB(A)
staged	N			Global warming potential	GWP	675	kgCO ₂ eq.
variable	Y			Rated air flow (indoor/outdoor)	—	1000/2500	m ³ /h
Contact details for obtaining more information	Fisher Aircon Solutions Llc.						

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