Information requirements for air-to-air air conditioners								
Model(s):	Indoor unit(s)	N160Xi R15						
	Outdoor unit	UO160Xo R15						
Outdoor side heat exchanger of air conditioner: Air								
Indoor side heat exchanger of air conditioner: Air								
Type: compressor driven vapour compression								
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	15.30	kW		Seasonal space cooling energy efficiency	ηs,c	241.00	%
Declared cooling capacity for part load at given outdoor temperatures Tj and indoor 27°/19 °C (dry/wet bulb)					Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj			
Tj = 35°C	Pdc	15.30	kW		Tj = 35°C	EERd	2.91	kW/kW
Tj = 30°C	Pdc	10.71	kW		Tj = 30°C	EERd	4.53	kW/kW
Tj = 25°C	Pdc	7.02	kW		Tj = 25°C	EERd	7.02	kW/kW
Tj = 20°C	Pdc	3.56	kW		Tj = 20°C	EERd	10.90	kW/kW
Degradation co-efficient for air conditioners (*)	Cdc	0.25	—					
Power consumption in modes other than 'active mode'								
Off mode	POFF	0.016	kW		Crankcase heater mode	PCK	0.000	kW
Thermostat-off mode	PTO	0.016	kW		Standby mode	PSB	0.016	kW
Other items								
Capacity control	variable				For air-to-air air conditioner: air flow rate, outdoor measured	—	5600	m3/h
Sound power level,outdoor	LWA	75	dB					
If engine driven: Emissions of nitrogen oxides	NO x (**)	x	mg/kWh fuel input GCV					
GWP of the refrigerant		675	kg CO2 eq (100 years)					
Contact details	Importer: THERMOSILESIA Szyb Walenty 16 41-700 Ruda Śląska, Poland www.thermosilesia.com				Manufacturer: ROTENSO Szyb Walenty 16 41-700 Ruda Śląska, Poland www.rotenso.com			

Information requirements for heat pumps

Model(s):	Indoor unit(s)	N160Xi R15
	Outdoor unit	UO160Xo R15

Outdoor side heat exchanger of heat pump: Air

Indoor side heat exchanger of heat pump: Air

Indication if the heater is equipped with a supplementary heater: no

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heatling capacity	Prated,h	18.20	kW		Seasonal space heating energy efficiency	ηs,h	157.00	%
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature Tj					Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj			
Item	symbol	value	unit		Item	symbol	value	unit
Tj = -7°C	Pdh	11.06	kW		Tj = -7°C	COPd	2.69	kW/kW
Tj = 2°C	Pdh	6.73	kW		Tj = 2°C	COPd	3.96	kW/kW
Tj = 7°C	Pdh	4.46	kW		Tj = 7°C	COPd	5.02	kW/kW
Tj = 12°C	Pdh	4.23	kW		Tj = 12°C	COPd	6.11	kW/kW
Tbiv = bivalent temperature	Pdh	11.06	kW		Tbiv = bivalent temperature	COPd	2.69	kW/kW
TOL = operating limit	Pdh	11.3	kW		TOL = operating limit	COPd	2.5	kW/kW
For air-to-water heat pumps: Tj = – 15 °C (if TOL < – 20 °C)	Pdh	x,x	kW		For air-to-water heat pumps: Tj = – 15 °C (if TOL < – 20 °C)	COPd	x,x	%
Bivalent temperature	Tbiv	-7	°C		For heat pumps: Operation limit temperature	Tol	-20	°C
Degradation co-efficient heat pumps (**)	Cdh	0.25	—					
Power consumption in modes other than 'active mode'					Supplementary heater			
Off mode	Poff	0.016	kW		Back-up heating capacity (*)	elbu	1.170	kW
Thermostat-off mode	PTO	0.023	kW		Type of energy input			
Crankcase heater mode	PCK	0.000	kW		Standby mode	Psb	0.016	kW
Other items								
Capacity control	variable				For air-to-air heat pumps: air flow rate, outdoor measured	—	5600	m3/h
Sound power level,outdoor measured	LWA	75	dB		For water/brine-to-air heat pumps: Rated brine or water flow rate, outdoor side heat exchanger	—	x	m3/h
Emissions of nitrogen oxides (if applicable)	NOx (**)	x	mg/kWh fuel input GCV					
GWP of the refrigerant		675	kg CO2 eq (100 years)					
Contact details	Importer: THERMOSILESIA Szyb Walenty 16 41-700 Ruda Śląska, Poland www.thermosilesia.com				Manufacturer: ROTENSO Szyb Walenty 16 41-700 Ruda Śląska, Poland www.rotenso.com			

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