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RIKA Innovative Ofentechnik GmbH
AT-4563 Micheldorf, Müllerviertel 20

regarding EN 16510-2-6:2022 under regulation (EU) 305/2011

DoP: 6906-CPR-07.2013
Notified Body: 1746
Intended use: Space heating in residential buildings without possible supply of hot water
Name: SONO (RAO / MA) 6 kW

IMPORTANT ASPECTS**MECHANICAL STRENGTH AND STABILITY**

Carrying capacity 25 kg

FIRE SAFETY

Safety distance to combustible material	d_R = from the back to combustible materials	100 mm
	d_S = from the sides to flammable materials	100 mm
	d_C = from the top to flammable materials in the ceiling	500 mm
	d_F = from the front to flammable materials	800 mm
	d_L = from the front to flammable materials in the lower front radiation area	0 mm
	d_L = from the front to flammable materials in the lateral front radiation area	0 mm
	d_B = below the floor (without feet) to combustible materials	0 mm

HYGIENE, HEALTH AND ENVIRONMENTAL PROTECTION

Emissions at nominal heat output (based on 13% O ₂)	CO	52 mg/Nm ³
	NOX	124 mg/Nm ³
	OGC	1 mg/Nm ³
	PM	13 mg/Nm ³
Emissions at reduced heat output (based on 13% O ₂)	CO	222 mg/Nm ³
	NOX	133 mg/Nm ³
	OGC	5 mg/Nm ³
	PM	23 mg/Nm ³

SAFETY AND ACCESSIBILITY DURING USE

Data for installation on a chimney at nominal heat output	Temperature at the flue gas connection	134,0 °C
	Minimum conveying pressure	12 Pa
	Flue gas mass flow	4,5 g/s
Data for installation on a chimney at reduced heat output	Temperature at the flue gas connection	79,0 °C
	Minimum conveying pressure	10 Pa
	Flue gas mass flow	3 g/s
Data for installation on a chimney regarding fire safety	Class	T200G

ENERGY SAVINGS AND THERMAL INSULATION

Heat output and energy efficiency of the appliance at nominal heat output	Room heat output	6,0 kW
	Efficiency	93 %
Heat output and energy efficiency of the appliance at reduced heat output	Room heat output	2,5 kW
	Efficiency	94,2 %
Space heating efficiency	Annual space heating efficiency at nominal heat output	83 %
	Energy Efficiency Index (EEI)	124
	Energy efficiency class	A+
	Power consumption at nominal heat output	0,015 kW
	Power consumption at partial load heat output	0,009 kW
	Power consumption in standby mode	0,004 kW

Please read manufacturer's operating instructions carefully before installing



Signed on behalf of the manufacturer

Andreas Bloderer / product manager

Name and function

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