

Date

Reference

2021-04-28

2019/2105

Scope of accreditation

Testing laboratory according to SS-EN ISO/IEC 17025:2018

RISE Research Institutes of Sweden AB

Borås

Accreditation number

1002

Energi och resurser

A002626-040

Functional testing

<i>Technical area</i>	<i>Parameter</i>	<i>Method</i>	<i>Material</i>	<i>Flex</i>	<i>Type of flex</i>	<i>Field</i>	<i>Note</i>
Combustion technology	Combustion	CEN/TS 15883	Stationary source emissions	Yes	2	No	Kap 4 och 5 samt Annex A (A.1)
		EN 1+A1	Heating elements and oven	Yes	2	No	
		EN 12809+A1+AC	Boilers	Yes	2	No	Max effekt 50 kW
		EN 12815+A1+AC	Heating elements and oven	Yes	2	No	
		EN 13229+A2+AC	Heating elements and oven	Yes	2	No	
		EN 13240+A2+AC	Heating elements and oven	Yes	2	No	
		EN 13842	Air heaters	Yes	2	No	
		EN 14785	Heating elements and oven	Yes	2	No	
		EN 15250	Heating elements and oven	Yes	2	No	
		EN 15270	Boilers	Yes	2	No	
		EN 16510-1	Heating elements and oven	Yes	2	No	
		EN 303-2	Boilers	Yes	2	No	
		EN 303-5	Boilers	Yes	2	No	
		EN 304+A1+A2	Boilers	Yes	2	No	
		FN/ECE 122	Vehicle heaters	Yes	2	No	Bilagor 4, 5, 6, 7
		Inhouse method; 2666	Boilers	Yes	2	No	
		Inhouse method; 4025	Boilers	Yes	2	No	
Inhouse method; 4160	Heating elements and oven	Yes	2	No			
Inhouse method; 4280	Heating elements and oven	Yes	2	No			

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Combustion technology	Combustion	NS 3058	Heating elements and oven	Yes	2	No	Del 1-4
		prEN 16510-2-1	Heating elements and oven	Yes	2	No	
		prEN 16510-2-2	Heating elements and oven	Yes	2	No	
		prEN 16510-2-3	Heating elements and oven	Yes	2	No	
		prEN 16510-2-6	Heating elements and oven	Yes	2	No	
	Energy consumption	EN 15181 +A1	Gas equipment	Yes	2	No	
		EN 15502-1 + A1	Boilers	Yes	2	No	
		EN 30-2-1	Household appliances	Yes	2	No	
	Exhaust and particulate emissions	ASTM E2515-11		Yes	2	No	
		ASTM E2618-13		Yes	2	No	
		ASTM E3053-18		Yes	2	No	
		EPA method 28 WHH PTS		Yes	2	No	
	Cooling technology	Capacity	Certification reference for the mark NF heat pumps	Heat pumps	Yes	2	No
EHPA Testing Regulation - Testing of Air/Air Heat Pumps			Heat pumps, air / air	Yes	2	No	
EHPA Testing Regulation - Testing of Air/Water Heat Pumps			Heat pumps, air / water	Yes	2	No	
EHPA Testing Regulation – Testing of Direct Exchange Ground Coupled/Water Heat Pumps			Heat pumps, direct expansion	Yes	2	No	
EHPA Testing Regulation - Testing of Exhaust air /Water Heat Pumps			Heat pumps, exhaust air/water	Yes	2	No	

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Cooling technology	Capacity	EHPA Testing Regulation - Testing of Heat Pumps for Domestic Hot Water Production	Heat pumps, hot water preparation	Yes	2	No	
		EHPA Testing Regulation- Testing of Water (Brine) /Water Heat Pumps	Heat pumps, liquid/water	Yes	2	No	
		EN 15879-1	Heat pumps, direct expansion	Yes	2	No	
		EN 16147	Heat pumps, hot water preparation	Yes	2	No	
		EN ISO 23953-2	Fridge and freezer	Yes	2	No	
		Inhouse method; 1721	Heat pumps, air / air	Yes	2	Yes	
		NT VVS 086	Heat pumps, exhaust air	Yes	2	No	
		SS 2620	Heat pumps, liquid/water	Yes	2	Yes	
	Function	EHPA regulations for granting the international quality label for electrically driven heat pumps	Heat pumps, electric powered	Yes	2	No	
		EHPA regulations for granting the international quality label for electrically driven heat pumps ADD	Heat pumps, electric powered	Yes	2	No	ADDENDUM-TWIN MODEL RANGES
	Heat transfer	E/ECE 810 ATP	Vehicle	Yes	2	No	
	Perfomance	Annex A - Heat Pump KEYMARK Requirements	Heat pumps	Yes	2	No	CEN Keymark Scheme
		EN 14511-2	Heat pumps, liquid/water	Yes	2	No	
		EN 14511-3	Heat pumps, liquid/water	Yes	2	No	
		EN 14511-4	Heat pumps, liquid/water	Yes	2	No	
		EN 14825	Heat pumps	Yes	2	No	

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Cooling technology	Performance	EN 16573	Multifunctional balanced ventilation units VP/FTX	Yes	2	No	
		EN 50440	Water heater	Yes	2	No	
		EN 810	Dehumidifiers	Yes	2	No	
Electrical quantities	Energy consumption	EN 60350-1	Household appliances	Yes	2	No	
		EN 60350-2	Household appliances	Yes	2	No	
Solar Technology	Function	EN 12897	Water heaters	Yes	2	No	
		EN 12975-1+A1	Solar panels	Yes	2	No	
		EN ISO 9806	Solar panels	Yes	2	No	
		SRCC standard 100	Solar panels	Yes	2	No	
Ventilation Technology	Capacity	DIN 24163	Fans	Yes	2	No	
	Characteristics of filtration	EN 1822-1	Air filters	Yes	2	No	
		EN 1822-2	Air filters	Yes	2	No	
		EN 1822-3	Air filters	Yes	2	No	
		EN 1822-5	Air filters	Yes	2	No	
		EN 779	Air filters	Yes	2	No	
		EN ISO 16890-1	Air filters	Yes	2	No	
		EN ISO 16890-2	Air filters	Yes	2	No	
		EN ISO 16890-4	Air filters	Yes	2	No	
	Inhouse method; 1937	Air filters	Yes	2	No		
	Dust holding capacity	EN ISO 16890-3	Air filters	Yes	2	No	
	Energy consumption	Eurovent 4/21	Air filters	Yes	2	No	
	Function	EN 12237	Ventilation ducts	Yes	2	Yes	
		EN 12238	Air diffusers	Yes	2	No	
		EN 12589	Air diffusers	Yes	2	No	
EN 13053+A1		Air handling units	Yes	2	No		
EN 13141-1		Home ventilation	Yes	2	No		

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Ventilation Technology	Function	EN 13141-2	Home ventilation	Yes	2	No	
		EN 13141-3	Home ventilation	Yes	2	No	
		EN 13141-4	Home ventilation	Yes	2	No	
		EN 13141-5	Home ventilation	Yes	2	No	
		EN 13141-6	Home ventilation	Yes	2	No	
		EN 13141-7	Home ventilation	Yes	2	No	
		EN 13141-8	Home ventilation	Yes	2	No	
		EN 14240	Chilled ceilings	Yes	2	No	
		EN 14518	Chilled beams	Yes	2	No	
		EN 1507	Ventilation ducts	Yes	2	Yes	
		EN 15116	Chilled beams	Yes	2	No	
		EN 15727	Ventilation ducts	Yes	2	No	
		EN 1751	Damper	Yes	2	No	
		EN 1886	Air handling units	Yes	2	No	
		EN 308	Heat exchangers	Yes	2	No	
		EN ISO 5801	Fans	Yes	2	No	
IEC 61591	Fans	Yes	2	No			

Physical properties

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Noise/Vibration	Sound insulation	SS-EN ISO 11691	Construction products	Yes	2	No	
		SS-EN ISO 7235	Construction products	Yes	2	No	
	Sound level	SS-EN 12102-1	Noise	Yes	2	Yes	
			Refrigeration and heating pump plants	Yes	2	No	
		SS-EN ISO 5135	Noise	Yes	2	No	

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Noise/Vibration	Sound level	SS-EN ISO 5136	Noise	Yes	2	No	
	Sound pressure level	SS-EN ISO 16032	Noise	Yes	2	Yes	

The scope of accreditation is flexible as specified in this decision. The accredited body must always retain a current list of the scope for which it is accredited.

Type of flexible scope

1: - Introduce new version of standard method and make editorial changes to non-standard method

2: - Introduce new version of standard method and make editorial changes to non-standard method - Introduce new

version and modifications of non-standard method. The procedure must be equivalent - Introduce new

parameter/component/characteristics - Introduce new measurement range - Introduce new material/new

products/matrices - Introduce new method equivalent to methods already in the accreditation decision