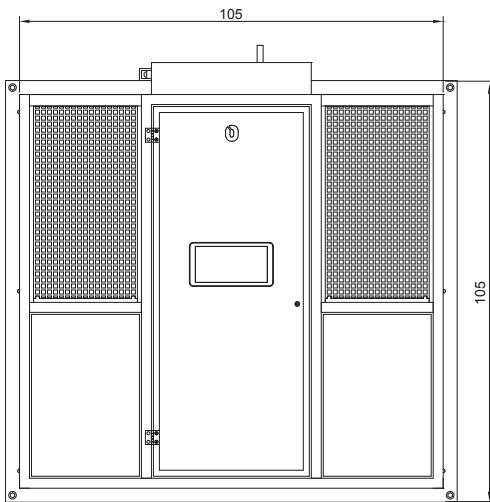


Model	RADI 48Vdc	Voltage	48 Vdc	Weight	105 kg
Series	BLDC EC FAN	Power	860 W	Sound pressure level	62 Db
IP Code	43 B H	Maximum flow rate	7200m ³ /h	Total dimensions	105x105x60 cm
		Head	160 Pa	Suction size	100x100 cm

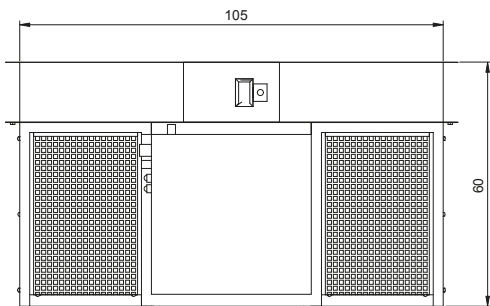
FRONT



FRONT VIEW



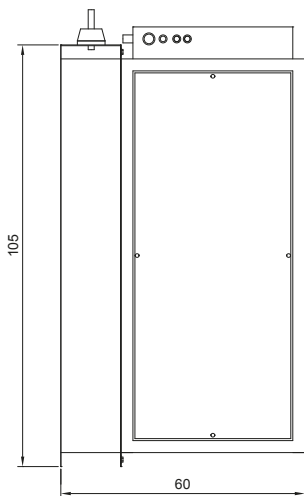
FLOOR PLAN



OPEN VIEW



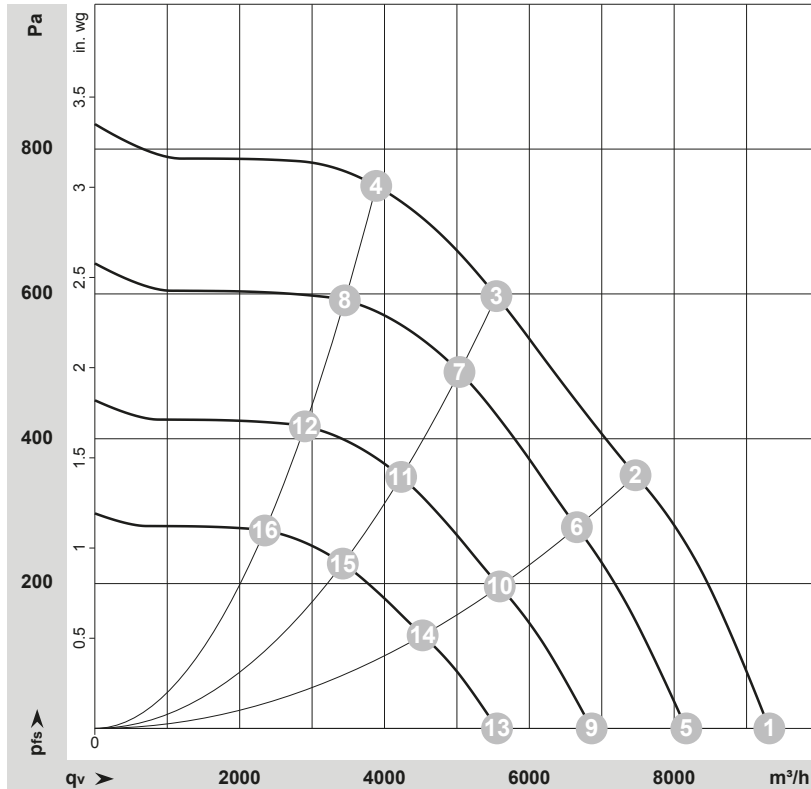
SIDE



REAR VIEW



Curves: Airperformance50Hz



Product information

Power supply:	48 Vdc +/- 10%
Maximum power consumption:	860 W
Maximum current consumption:	9 A
Air flow range:	4000 - 7200m³/h
Nominal head:	160 Pa
Maximum noise level:	62 Db at 5 metres
Air flow rate modulation:	No
Electric fan motor:	Brushless
Number of fans:	2
Fan control:	0 - 10 Vdc analogue
Fan type:	Radial
Number of filters:	2
Filter size:	400x595x98
Air filter type:	G4
Inlet air damper:	ON/OFF
Rain screen with anti-mouse mesh:	Yes
Servo motor damper:	Integrated
External intake temperature probe:	Integrated
Indoor environment probes:	2 (standard); 5 (optional on request)
External air humidity probe:	Integrated
Operating temperature:	5 - 55 °C
Installation:	Window with floor support
Control and regulation:	PLC
PLC redundancy:	PLC with dual Keep Alive processors
Digital output alarms:	Yes
Well-being button management:	Yes
Event log memory:	Yes
Stop contact in case of FIRE:	Yes
Stop contact in case of FLOOD:	Yes
Remote ON/OFF:	Yes
ON/OFF of room air conditioners:	Yes
Alarm management of room air conditioners:	Yes
Air conditioners managed with digital I/O:	4
Air conditioners managed with rs485:	6
Manual force command dig.INPUT:	Yes
Operating logic:	Climate controlled
User interface:	Colour touch screen display with screen saver
Communication:	RS485 / Modbus IP master/slave
Slave system:	Analogue slave
Degree of protection:	IP43 BM*
Machine size:	105x105x60 cm
Weight:	85 kg
Type of switch to be installed:	External rotary switch disconnecter

Measuredvalues

	Wired	U	f	n	P _{ed}	I	LpA _{in}	LwA _{in}	q _v	p _{fs}	p _{fs}
		V	Hz	min ⁻¹	W	A	dB(A)	dB(A)	m ³ /h	Pa	in. wg
1	1~	230	50	2850	1114	4.90	77	84	8655	0	0.00
2	1~	230	50	2805	1500	6.60	73	79	7735	350	1.41
3	1~	230	50	2750	1500	6.60	68	76	5775	600	2.41
4	1~	230	50	2815	1500	6.60	71	78	2945	750	3.01
5	1~	230	50	2500	752	3.30	73	81	8085	0	0.00
6	1~	230	50	2500	1060	4.62	70	77	6330	278	1.12
7	1~	230	50	2500	1108	4.84	66	74	4520	495	1.99
8	1~	230	50	2500	1050	4.58	68	76	2725	593	2.38
9	1~	230	50	2100	446	1.96	69	77	6430	0	0.00
10	1~	230	50	2100	628	2.74	66	72	4795	196	0.79
11	1~	230	50	2100	658	2.88	62	69	4115	349	1.40
12	1~	230	50	2100	622	2.72	63	71	2450	418	1.68
13	1~	230	50	1700	236	1.04	64	71	4775	0	0.00
14	1~	230	50	1700	334	1.46	60	67	4265	128	0.51
15	1~	230	50	1700	348	1.52	56	64	2710	229	0.92
16	1~	230	50	1700	330	1.52	58	66	2175	274	1.10

Wired = Wiring · U = Voltage · f = Frequency · n = Speed (rpm) · P_{ed} = Power consumption · I = Current draw · LpA_{in} = Sound pressure level intake side
LwA_{in} = Sound power level intake side · p_{fs} = Pressure increase

Product description

The RotoKalt PODIUM SIMPLY smart+, is an easy-to-install and easy-to-maintain Free Cooling window system, equipped with Brushless radial motors.

The whole range is supplied with motor damper and filter.

The power supply required to operate the system is 48 Vdc.

The system can also be supplied in the Slave version without management PLC and field probes.