

# KryosROOF - Indoor

## New design, more flexibility

KryosRoof roof mounted fans are the ideal industrial ventilation solution for extracting warm air from the roof. Their compact dimensions allow them to be installed on various types of electrical panels, while the layout and fans ensure high flow rates and operating efficiency. The TSF/TSV feature a new design, compact dimensions and the flexibility properties typical of Cosmotec products.



## Performance and Efficiency

The radial fans on KryosROOF provide high flow rates and heads to ensure the correct airflow within the cabinet. In addition, there is a high efficiency version with EC fans and an **active control probe**, supplied as standard, which adjusts the fan speed to reduce electricity consumption and ensure optimum air flow according to the temperatures in the electrical panel. Electrical consumption can already be **reduced by 20/30%** at maximum operating conditions.

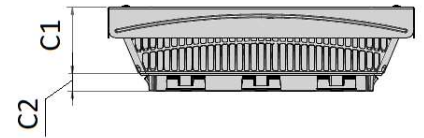
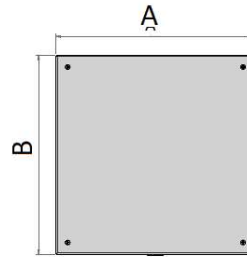
Energy efficiency eliminates energy waste and generates savings that last. Rational use of energy and investment in energy-efficient technological solutions increase the profitability of operations and make them more competitive, modern and efficient. Improving the energy efficiency of production processes helps to reduce fixed production costs, increase the market value of the product and reduce environmental impact. KryosROOF extraction towers **regulate the air flow** optimally for each operating condition and heat load.

## Main Features

- ABS Blend base and galvanised sheet metal cover
- Screwless fixing system
- Air Flow: 500..1870 m<sup>3</sup>/h
- Version without fan available
- Protection Degree: IP43/Type1 - IP54/Type12
- MTBF: 40000 hours
- RAdial fans with minimum pressure losses
- Certifications: CE, UL Recognized, UL Listed, EAC

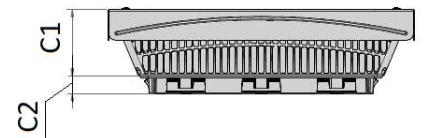
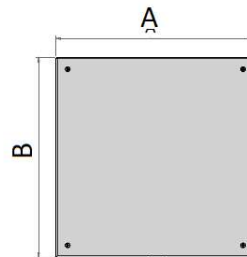


## TSF/TSV19



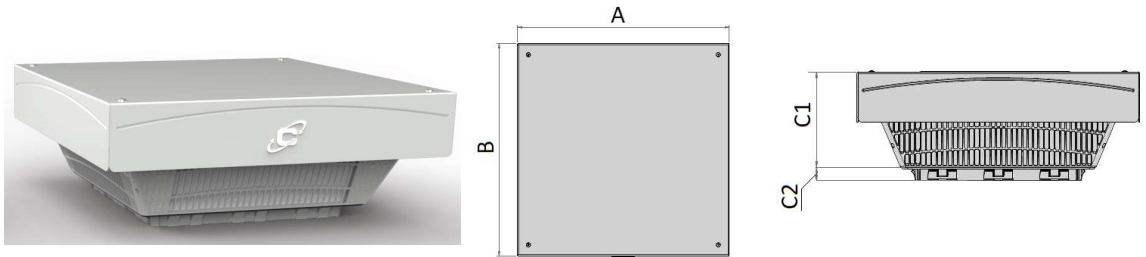
CODE	M.U.	TSF19U0 20000000	TSF19U1 20000000	TSV19U0 22000000	TSV19U1 22000000	TSV19U0 20300000	TSV19U1 20300000
UL Recognized - UL Listed FTTA/FTTA7		✓	✓	✓	✓	✓	✓
Rated Voltage	V, ~	--	--	230,1	230,1	115,1	115,1
Nominal Frequency	Hz	--	--	50/60	50/60	60	60
Fan Flow TSV	m³/h	--	--	540/575	500/535	555	515
Fan Flow TSV+GSF30	m³/h	--	--	460/495	420/455	475	435
Absorbed Power	W	--	--	52/65	52/65	70	70
Absorbed Current	A	--	--	0,21/0,29	0,21/0,29	0,61	0,61
Internal operating Temp.	min/ max °C	-40/+60	-40/+60	-25/+55	-25/+55	-25/+55	-25/+55
Protection Degree	CE IP	43	54	43	54	43	54
	UL Type	1	12	1	12	1	12
External Sound pressure	dB(A)	--	--	53	53	53	53
Height (A)	mm	395	395	395	395	395	395
Width (B)	mm	395	395	395	395	395	395
Depth (C)	mm	108	108	112	112	112	112

## TSV22



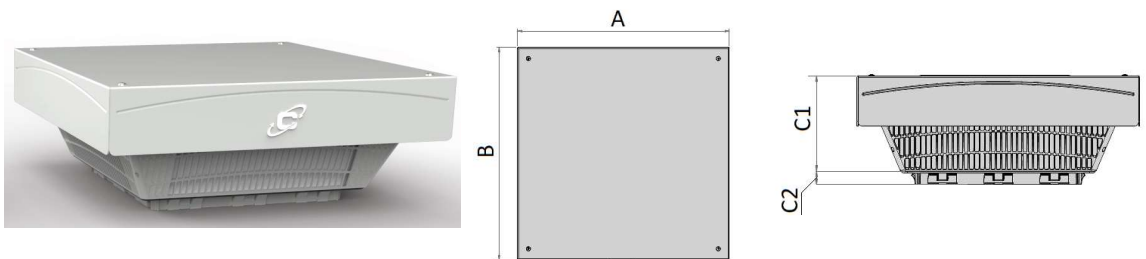
CODE	M.U.	TSV22U0 22000000	TSV22U1 22000000	TSV2200 22010000	TSV2201 22010000	TSV22U0 20300000	TSV22U1 20300000
UL Recognized - UL Listed FTTA/FTTA7		✓	✓	--	--	✓	✓
Rated Voltage	V, ~	230,1	230,1	200...240,1	200...240,1	115,1	115,1
Nominal Frequency	Hz	50/60	50/60	50/60	50/60	60	60
Fan Flow TSV	m³/h	800/810	715/725	925	840	785	710
Fan Flow TSV+GSF30	m³/h	615/625	530/540	720	635	600	525
Absorbed Power	W	88/116	88/116	85	85	108	108
Absorbed Current	A	0,37/0,49	0,37/0,49	0,7	0,7	0,9	0,9
Internal operating Temp.	min/ max °C	-25/+55	-25/+55	-25/+55	-25/+55	-25/+55	-25/+55
Protection Degree	CE IP	43	54	43	54	43	54
	UL Type	1	12	--	--	1	12
External Sound pressure	dB(A)	54	52	56	54	54	52
Height (A)	mm	395	395	395	395	395	395
Width (B)	mm	395	395	395	395	395	395
Depth (C)	mm	112	112	112	112	112	112

## TSF/TSV25



CODE	M.U.	TSF25U0 20000000	TSF25U1 20000000	TSV25U0 22000000	TSV25U1 22000000	TSV25U0 20300000	TSV25U1 20300000
UL Recognized - UL Listed FTTA/FTTA7		✓	✓	✓	✓	✓	✓
Rated Voltage	V, ~	--	--	230,1	230,1	115,1	115,1
Nominal Frequency	Hz	--	--	50/60	50/60	60	60
Fan Flow TSV	m³/h	--	--	1425/1520	1365/1480	1470	1420
Fan Flow TSV+2xGSF30	m³/h	--	--	1310/1405	1250/1365	1355	1305
Absorbed Power	W	--	--	230/340	230/340	300	300
Absorbed Current	A	--	--	0,85/1,15	0,85/1,15	2,5	2,5
Internal operating Temp.	min/ max °C	-40/+60	-40/+60	-25/+55	-25/+55	-25/+55	-25/+55
Protection Degree	CE IP	43	54	43	54	43	54
	UL Type	1	12	1	12	1	12
External Sound pressure	dB(A)	--	--	63	62	63	62
Height (A)	mm	490	490	490	490	490	490
Width (B)	mm	490	490	490	490	490	490
Depth (C)	mm	188	188	191	191	191	191

## TSV35



CODICE	M.U.	TSV35U0 22000000	TSV35U1 22000000	TSV3500 22010000	TSV3501 22010000
UL Recognized - UL Listed FTTA/FTTA7		✓	✓	--	--
Rated Voltage	V, ~	230,1	230,1	200...240,1	200...240,1
Nominal Frequency	Hz	50/60	50/60	50/60	50/60
Fan Flow TSV	m³/h	1870	1700	1870	1700
Fan Flow TSV+3xGSF30	m³/h	1520	1350	1520	1350
Absorbed Power	W	168	168	168	168
Absorbed Current	A	1,4/1,4	1,4/1,4	1,4	1,4
Internal operating Temp.	min/ max °C	-25/+55	-25/+55	-25/+55	-25/+55
Protection Degree	CE IP	43	54	43	54
	UL Type	1	12	--	--
External Sound pressure	dB(A)	57	57	57	57
Height (A)	mm	490	490	490	490
Width (B)	mm	490	490	490	490
Depth (C)	mm	191	191	191	191

# Optional KryosROOF TSV

CODE	Spacial Colour	Stainless Stell 316 housing
TSF/TSV19	OCAXNS12 (1)	AVAIN01 (1)
TSF/TSV22	OCAXNS12 (1)	AVAIN01 (1)
TSF/TSV25	OCAXNS12 (1)	AVAIN02 (1)
TSF/TSV35	OCAXNS12 (1)	AVAIN02 (1)

(1) Only Cover