



SFG 4T 630 - C 01

180163004

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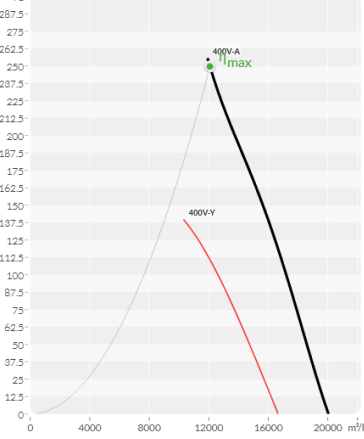
Design point

		static	total
Airflow / Static Pressure	Q	11961 m ³ /h	Δp 250 Pa
Temperature medium / Air density	t _{MED}	20 °C	ρ ₀ 1.204 kg/m ³

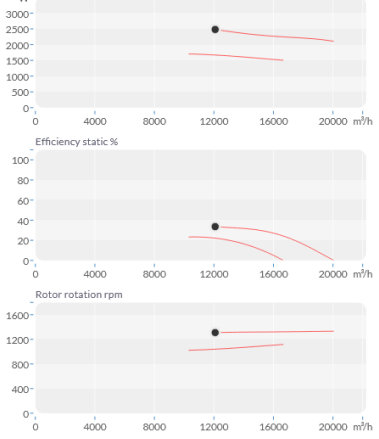
● Duty point ● Maximum efficiency point

Flow	Q	11963 m ³ /h	11961 m ³ /h
Static pressure	Δp _{ST}	250 Pa	250 Pa
Total pressure	Δp _{TOT}	318 Pa	318 Pa
Dynamic pressure	Δp _{DYN}	68 Pa	68 Pa
Speed	v	10.66 m/s	10.66 m/s
Instantaneous Rotational Speed	n	1313 rpm	1313 rpm
Power	P _{ABS}	2473 W	2473 W
Current	I	4.41 A	4.41 A
SFP	SFP	744 W/m ³ /s	744 W/m ³ /s
Static efficiency	η _{ST}	33.6 %	33.6 %
Total efficiency	η _{TOT}	42.8 %	42.8 %

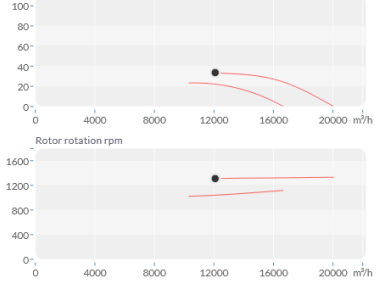
Pressure static Pa



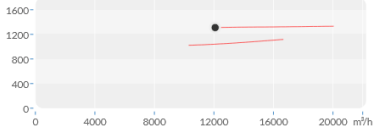
Power absorbed W

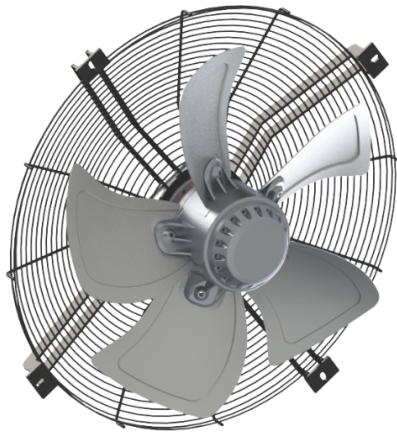


Efficiency static %



Rotor rotation rpm





Fan Components and Material Properties

The propeller is manufactured from electrostatic powder coated sheet metal, aluminum sheet metal or composite material. Grille and wall plate electrostatic powder coated steel wire/sheet metal. The impeller is coupled directly to the motor. Protective and carrier wireframe produced in standard connection dimensions.

Speed Control

Optional control devices can be provided. 1- phase products can be controlled with linear voltage regulator (see BSC accessory).

* In line with the demand, 3- phase models can be produced in accordance with the inverter.

Benefits

With its blower and suction types, the SF cooling fans are designed for high performance, low noise level and long-term maintenance-free operation in a variety of applications. Speed can be adjusted with speed control devices. Impeller are designed in the most ideal angle according to their size and maximum performance is ensured.

Usage Areas

Refrigeration machines, laboratories, residences, air-conditioning outdoor units, hot and cold air appliances and industrial chillers etc. used in places.

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Technical data

Flow properties

Maximum Airflow Volume	Q_{MAX}	19850 m ³ /h
Maximum Static Pressure	$P_{S_{MAX}}$	220 Pa
Nominal Rotational Speed	n	1320 rpm

Electrical

Number of phases	~	3
Nominal voltage	U_{NOM}	400 V
Nominal power	P_{NOM}	2500 W
Nominal current	I_{NOM}	4.45 A
Nominal frequency	f_{NOM}	50 Hz

Parameters

Diameter	$\varnothing D$	630 mm
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Electric motor

Motor type	AC
Type of motor control	Hz
Number of Motor Poles	4

Temperature

Minimum operating temperature	$t_{OPERMIN}$	-40 °C
Maximum operating temperature	$t_{OPERMAX}$	60 °C
Maximum medium temperature	$t_{MEDIUMMAX}$	60 °C

Acoustics

Sound pressure level from the housing at a distance	L_{PA2}	68 dB(A)
	l	3 m

