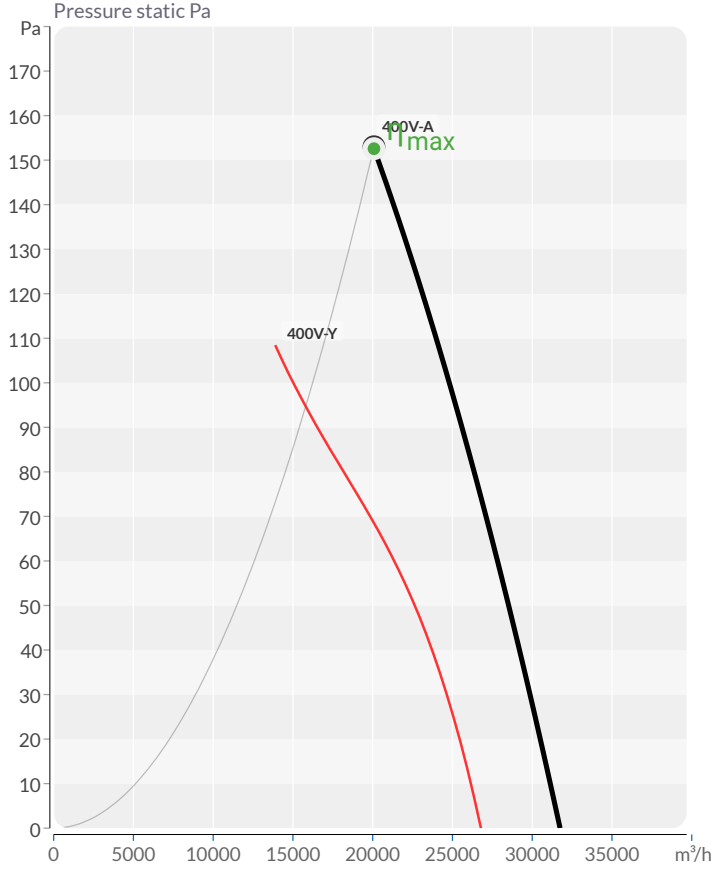


Design point

Flow	Q	20240	m³/h
Pressure	Δp	153	Pa
Ambient temperature	t_{MED}	20	°C

Duty point

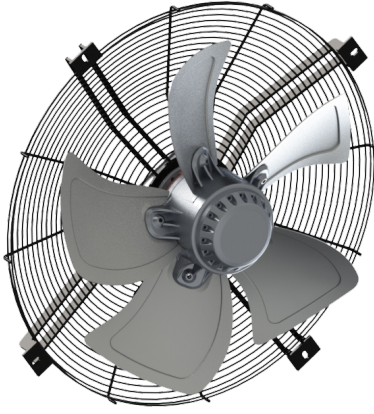
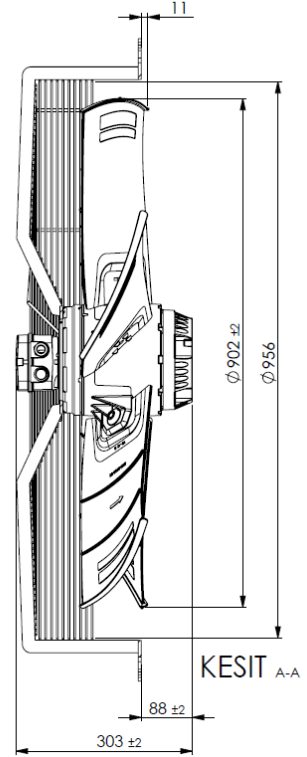
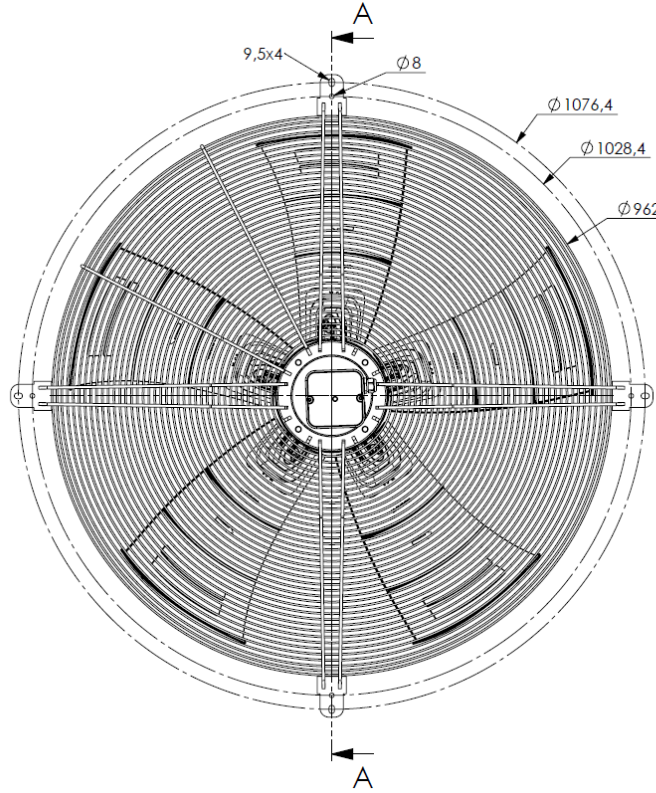
Flow	Q	20223	20240	m³/h
Static pressure	Δp_{ST}	153	153	Pa
Dynamic pressure	Δp_D	45	45	Pa
Total pressure	Δp_{TOT}	198	198	Pa
Absorbed power	P_{ABS}	2580	2581	W
Current	I_{ABS}	5.45	5.45	A
Instantaneous Rotational Speed	n	887	887	rpm
Speed	v	8.64	8.64	m/s
Static efficiency	η_{ST}	33.3	33.2	%
Total efficiency	η_{TOT}	43	43	%
SFP	SFP	459	459	W/m³/s
Regulation		-	-	Hz

Sound power level	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	Σ
Inlet - L_{WA5}	-	-	-	-	-	-	-	-	-
Outlet - L_{WA6}	-	-	-	-	-	-	-	-	-
Edited - L_{WA2}	-	-	-	-	-	-	-	-	-
Sound pressure level	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	Σ
Inlet - L_{PA5}	-	-	-	-	-	-	-	-	-
Outlet - L_{PA6}	-	-	-	-	-	-	-	-	-
Edited - L_{PA2}	-	-	-	-	-	-	-	-	-

The sound pressure level was determined for the conditions
 distance from the fan 3m, slope factor Q: 2, sound wave disturbance, equivalent absorption area 200m² Sabine

Nominal parameters

Maximum Airflow Volume	Q_{MAX}	32000	m³/h
Maximum Static Pressure	Δp_{MAX}	150	Pa
Nominal power	P_{NOM}	2600	W
Nominal Rotational Speed	n	885	rpm
Nominal current	I_{NOM}	5.45	A
Nominal voltage	U_{NOM}	400	V
Number of phases	~	3	
Nominal frequency	f_{NOM}	50	Hz
Sound pressure level from the housing	L_{PA2}	70	dB(A)
Diameter	$\emptyset$	910	mm
Minimum operating temperature	t_{OPmin}	-40	°C
Maximum operating temperature	t_{OPmax}	60	°C
Maximum medium temperature	t_{MEDmax}	60	°C
Maximum ambient temperature	t_{AMBmax}	50	°C
Number of Motor Poles	pole	6	x
Motor type		AC	
Type of motor control		Hz	


Dimensions [mm]

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 coat steel wire/sheet metal. The impeller is couple directly to the motor. Protective and carrier wireframe produced in standard connection dimensions.

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. Impellers are designed in the most ideal angle according to their size and maximum performance is ensured.

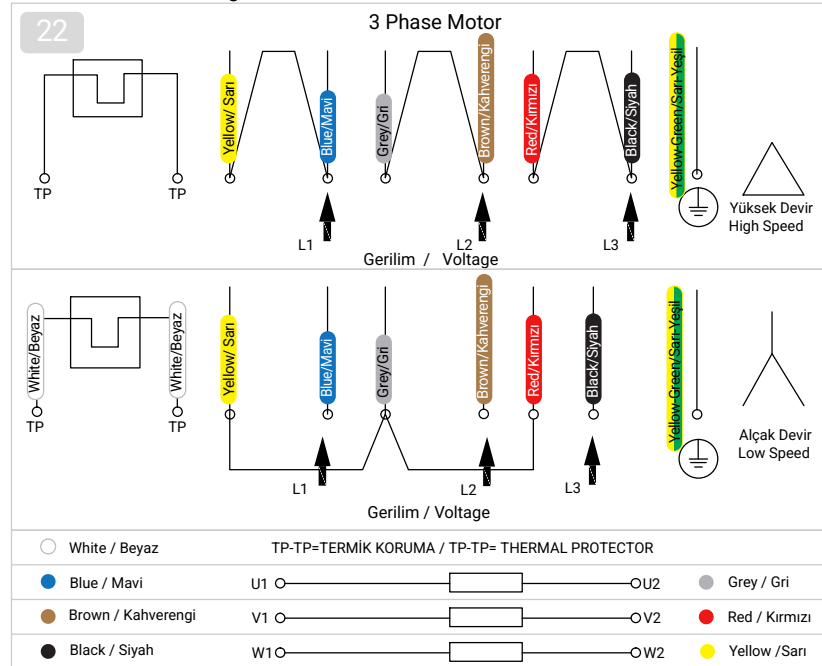
Speed Control

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.

Usage Areas

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

Accessory list
Electric connection diagram

Support/Files

- https://www.bvnair.com/fansecim/data/f.php?path=manual%2FSF_manual.pdf
- https://www.bvnair.com/fansecim/data/f.php?path=dimension%2FSF-Design_G_drawing.pdf
- https://www.bvnair.com/fansecim/data/f.php?path=dimension%2FSF-Design_D_drawing.pdf
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