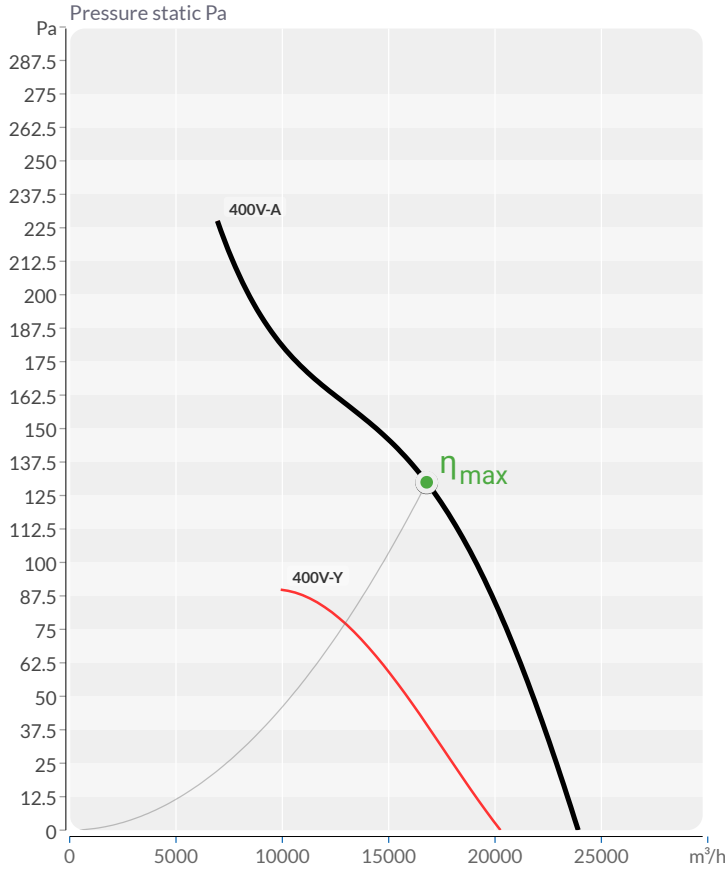


Design point

Flow	Q	16918	m³/h
Pressure	Δp	130	Pa
Ambient temperature	t_{MED}	20	°C

Duty point

Flow	Q	16928	16918	m³/h
Static pressure	Δp_{ST}	130	130	Pa
Dynamic pressure	Δp_D	53	53	Pa
Total pressure	Δp_{TOT}	183	183	Pa
Absorbed power	P_{ABS}	1831	1831	W
Current	I_{ABS}	3.97	3.97	A
Instantaneous Rotational Speed	n	884	884	rpm
Speed	v	9.35	9.35	m/s
Static efficiency	η_{ST}	33.4	33.4	%
Total efficiency	η_{TOT}	46.9	46.9	%
SFP	SFP	389	390	W/m³/s
Regulation		-	-	Hz

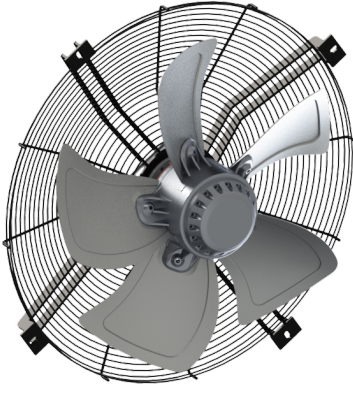
Sound power level	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	Σ
Inlet - L_{WA5}	-	-	-	-	-	-	-	-	-
Outlet - L_{WA6}	-	-	-	-	-	-	-	-	-
Edited - L_{WA2}	-	-	-	-	-	-	-	-	-

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

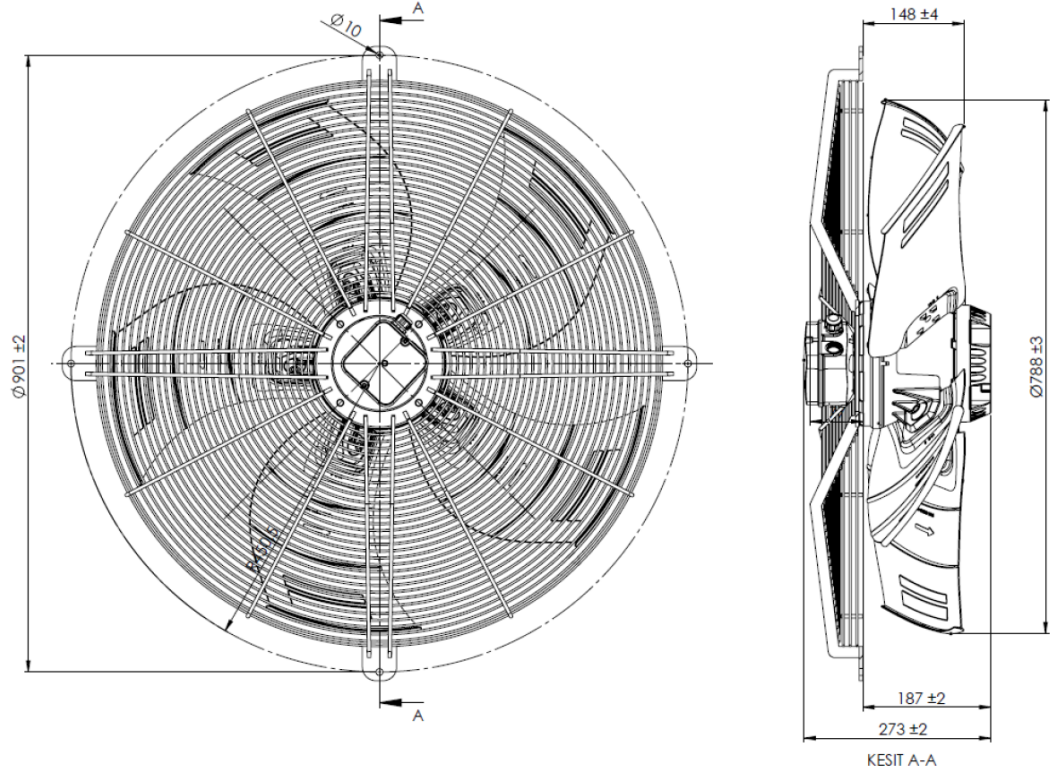
The sound pressure level was determined for the conditions
 distance from the fan 3m, slope factor Q: 2, sound wave disturbance, equivalent absorption area 200m² Sabine

Nominal parameters

Maximum Airflow Volume	Q_{MAX}	24100	m³/h
Maximum Static Pressure	Δp_{MAX}	220	Pa
Nominal power	P_{NOM}	1999	W
Nominal Rotational Speed	n	875	rpm
Nominal current	I_{NOM}	4.1	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	Ø	800	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}	60	°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 coated steel wire/sheet metal. The impeller is coupled 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. Impeller 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

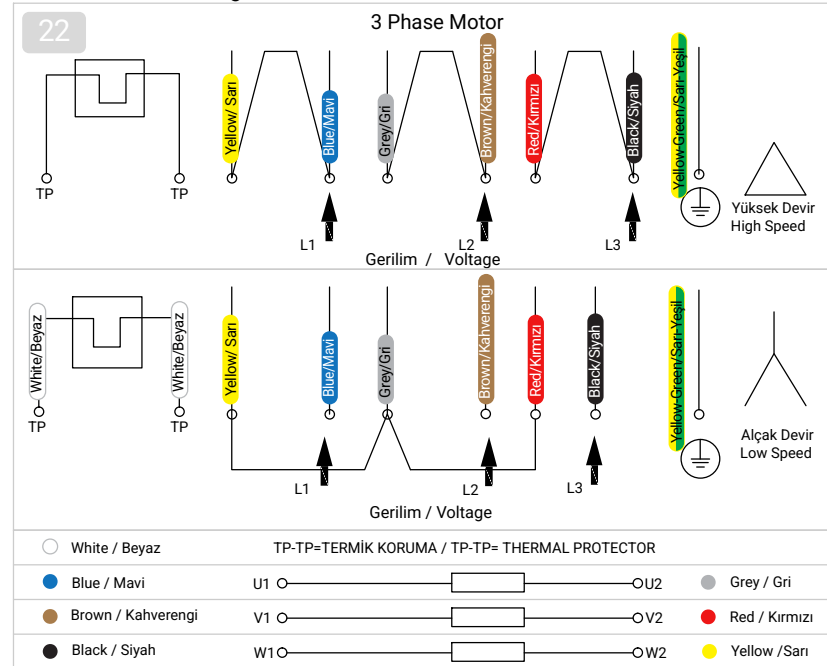
Refrigeration machines, laboratories, residences, air-conditioning outdoor units, hot and cold air appliances and industrial chillers etc. used in places.

Accessory list



BSC-F-22
Frequency inverters

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
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