SFX 4T 500 - D 07

[S]152.50.756-[B]152.50.757

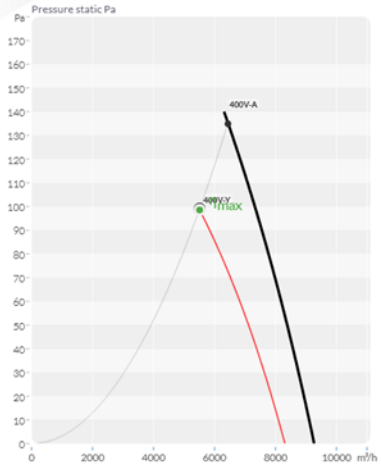
Design point

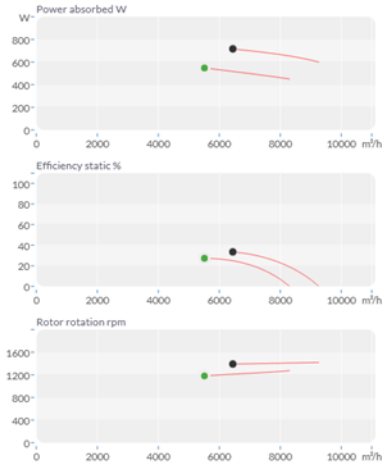
			static	total
Airflow / Static Pressure	Q	5457 m³/h	Δp	99 Pa
Temperature medium / Air density	t_{MED}	20 °C	ro	1.204 kg/m³

50Hz 60Hz

● Duty point ● Maximum efficiency point

Flow	Q	6378 m³/h	5457 m³/h
Static pressure	Δp_{ST}	135 Pa	99 Pa
Total pressure	Δp_{TOT}	184 Pa	134 Pa
Dynamic pressure	Δp_{DYN}	49 Pa	36 Pa
Speed	v	9.02 m/s	7.72 m/s
Instantaneous Rotational Speed	n	1391 rpm	1182 rpm
Power	P_{ABS}	716 W	548 W
Current	I	1.64 A	0.9 A
SFP	SFP	404 W/m³/s	362 W/m³/s
Static efficiency	η_{ST}	33.4 %	27.3 %
Total efficiency	η_{TOT}	45.6 %	37.2 %





Available accessories



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}	9175	m³/h
Maximum Static Pressure	Ps_{MAX}	140	Pa
Nominal Rotational Speed	n	1390	rpm

Electrical			
Number of phases	~	3	
Nominal voltage	U_{NOM}	400	V
Nominal power	P_{NOM}	720	W
Nominal current	I_{NOM}	1.65	A
Nominal frequency	f_{NOM}	50	Hz

Parameters			
Diameter	⌀D	500	mm
Unit weight	m	12	kg

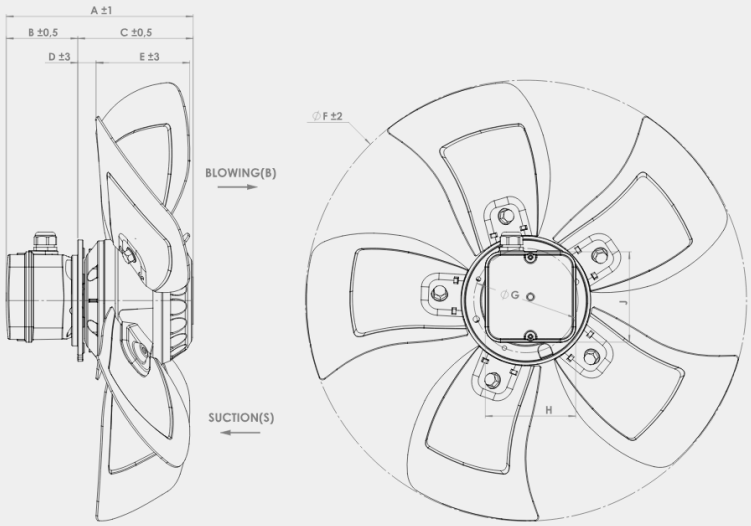
Electric motor	
Motor type	AC
Type of motor control	Hz
Number of Motor Poles	4
Motor protection class	IP55
Motor insulation class	F
Motor protection	TEAO

Temperature			
Minimum operating temperature	$t_{OPER\,MIN}$	-40	°C
Maximum operating temperature	$t_{OPER\,MAX}$	65	°C
Maximum medium temperature	$t_{MEDIUM\,MAX}$	65	°C

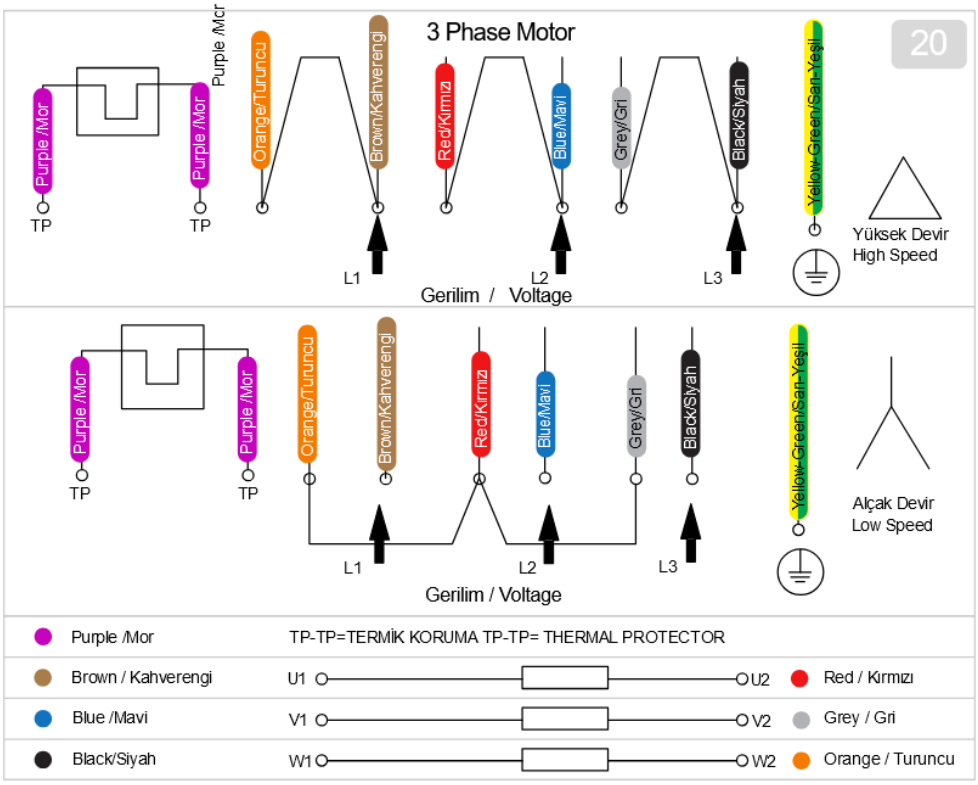
Acoustics			
Sound pressure level from the housing	L_{PA2}	65	dB(A)
at a distance	l	3	m

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A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	J mm
224	78,8	145,2	(B) 24,4/(S) -1,1	103,4	497,6	115	99,8	99,8


3 Phase Motor
20
Purple /Mor
Purple /Mor
Purple /Mor
TP
TP
Orange/Turuncu
Brown/Kahverengi
Red/Kirmizi
Blue/Mavi
Grey/Gri
Black/Siyah
Yellow-Green/San-Yeşil
L1
L2
L3
Gerilim / Voltage
Yüksek Devir
High Speed
Purple /Mor
Purple /Mor
TP
TP
Orange/Turuncu
Brown/Kahverengi
Red/Kirmizi
Blue/Mavi
Grey/Gri
Black/Siyah
Yellow-Green/San-Yeşil
L1
L2
L3
Gerilim / Voltage
Alçak Devir
Low Speed
Purple /Mor
TP-TP=TERMİK KORUMA TP-TP= THERMAL PROTECTOR
Brown / Kahverengi
U1
U2
Red / Kırmızı
Blue /Mavi
V1
V2
Grey / Gri
Black/Siyah
W1
W2
Orange / Turuncu