

### Required working point

Flow	Q	870	m <sup>3</sup> /h
Pressure	Δp	460	Pa
Ambient temperature	t <sub>MED</sub>	20	°C

### Operating point

Flow	Q	870	870	m <sup>3</sup> /h
Static pressure	Δp <sub>ST</sub>	460	460	Pa
Dynamic pressure	Δp <sub>D</sub>	19	19	Pa
Total pressure	Δp <sub>TOT</sub>	479	479	Pa
Absorbed power	P <sub>ABS</sub>	220	220	W
Current	I <sub>ABS</sub>	1.58	1.58	A
Instantaneous Rotational Speed	n	2944	2944	rpm
Speed	v	5.57	5.57	m/s
Static efficiency	η <sub>ST</sub>	50.5	50.5	%
Total efficiency	η <sub>TOT</sub>	52.6	52.6	%
SFP	SFP	910	910	W/m <sup>3</sup> /s
Regulation		-	-	EC

### Nominal parameters

Maximum Airflow Volume	Q <sub>MAX</sub>	1500	m <sup>3</sup> /h
Maximum Static Pressure	Δp <sub>MAX</sub>	677	Pa
Nominal power	P <sub>NOM</sub>	200	W
Nominal Rotational Speed	n	3000	rpm
Nominal current	I <sub>NOM</sub>	1.3	A
Nominal voltage	U <sub>NOM</sub>	230	V
Number of phases	~	1	
Nominal frequency	f <sub>NOM</sub>	50	Hz
Diameter	Ø	225	mm
Unit weight	m	2.2	kg
Maximum Achievable Rotational Speed	n <sub>MAX</sub>	3000	rpm
Maximum power consumption	P <sub>MAX</sub>	226	W
Minimum operating temperature	t <sub>OPmin</sub>	-25	°C
Maximum operating temperature	t <sub>OPmax</sub>	60	°C
Number of Motor Poles	pole	-	x
Motor type			EC
Type of motor control			EC
Motor insulation class			B
Motor protection class			IP44

Sound power level	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	Σ
inlet - L <sub>WA5</sub>	64	74	80	87	83	80	75	66	90
outlet - L <sub>WA6</sub>	48	65	75	85	82	79	74	66	88
emitted - L <sub>WA2</sub>	48	65	75	85	82	79	74	66	88

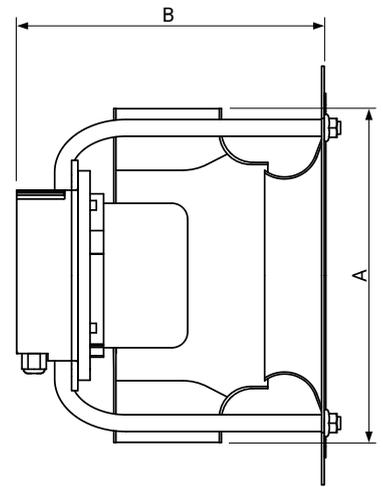
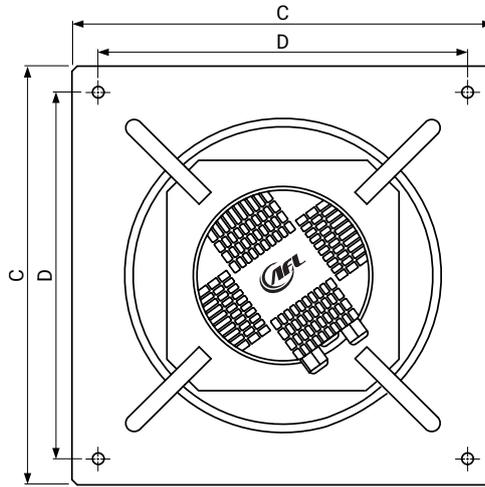
  

Sound pressure level	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	Σ
inlet - L <sub>PA5</sub>	50	60	66	73	69	66	61	52	76
outlet - L <sub>PA6</sub>	34	51	61	71	68	65	60	52	74
emitted - L <sub>PA2</sub>	34	51	61	71	68	65	60	52	74

Sound pressure level calculated from the parameters  
distance from the fan 3m, slope coefficient Q: 2, sound wave interference, equivalent absorption area 200m<sup>2</sup> Sabine



Dimensions [mm]



A	B	C	D
225	164	270	215