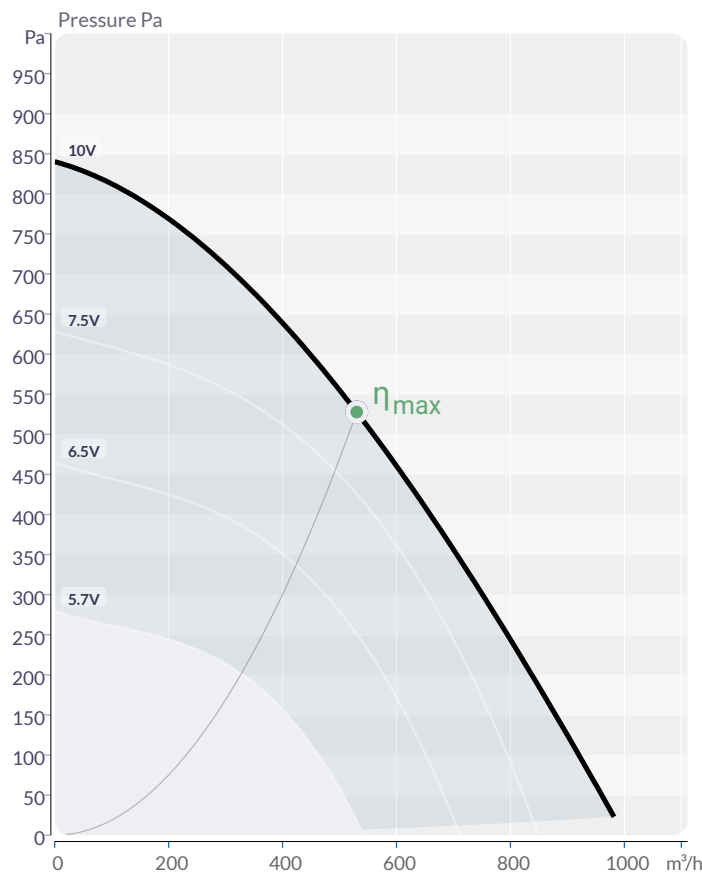


Required working point

Flow	Q	525	m³/h
Pressure	Δp	528	Pa
Ambient temperature	t_{MED}	20	°C

Operating point

Flow	Q	525	525	m³/h
Static pressure	Δp_{ST}	528	528	Pa
Dynamic pressure	Δp_D	16	16	Pa
Total pressure	Δp_{TOT}	544	544	Pa
Absorbed power	P_{ABS}	170	170	W
Current	I_{ABS}	1.19	1.19	A
Instantaneous Rotational Speed	n	3915	3915	rpm
Speed	v	5.14	5.14	m/s
Static efficiency	η_{ST}	45.3	45.3	%
Total efficiency	η_{TOT}	46.7	46.7	%
SFP	SFP	1164	1164	W/m³/s
Regulation		-	-	EC

Sound power level	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	Σ
inlet - L_{WA5}	65	75	82	89	89	83	78	70	93
outlet - L_{WA6}	45	65	76	86	88	82	78	70	91
emitted - L_{WA2}	45	65	76	86	88	82	78	70	91

Sound pressure level	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	Σ
inlet - L_{PA5}	51	61	68	75	75	69	64	56	79
outlet - L_{PA6}	31	51	62	72	74	68	64	56	77
emitted - L_{PA2}	31	51	62	72	74	68	64	56	77

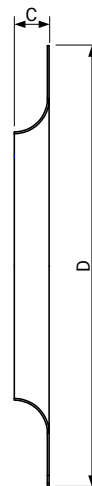
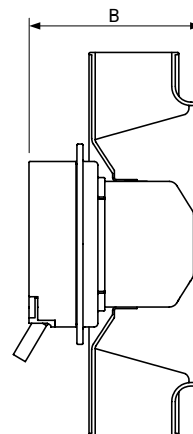
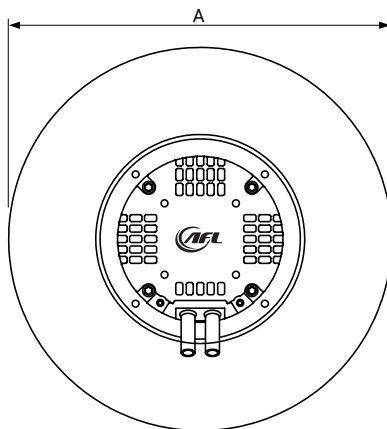
Sound pressure level calculated from the parameters
distance from the fan 3m, slope coefficient Q: 2, sound wave interference, equivalent absorption area 200m² Sabine

Nominal parameters

Maximum Airflow Volume	Q_{MAX}	972	m³/h
Maximum Static Pressure	Δp_{MAX}	758	Pa
Nominal power	P_{NOM}	170	W
Nominal Rotational Speed	n	4175	rpm
Nominal current	I_{NOM}	1.2	A
Nominal voltage	U_{NOM}	230	V
Number of phases	~	1	
Nominal frequency	f_{NOM}	50	Hz
Diameter	Ø	190	mm
Unit weight	m	2.6	kg
Maximum Achievable Rotational Speed	n_{MAX}	4175	rpm
Maximum power consumption	P_{MAX}	183	W
Minimum operating temperature	t_{OPmin}	-25	°C
Maximum operating temperature	t_{OPmax}	60	°C
Number of Motor Poles	pole	-	x
Motor type		EC	
Type of motor control		EC	
Motor insulation class		B	
Motor protection class		IP44	



Dimensions [mm]



A	B	C	D
190	106,5	14	170