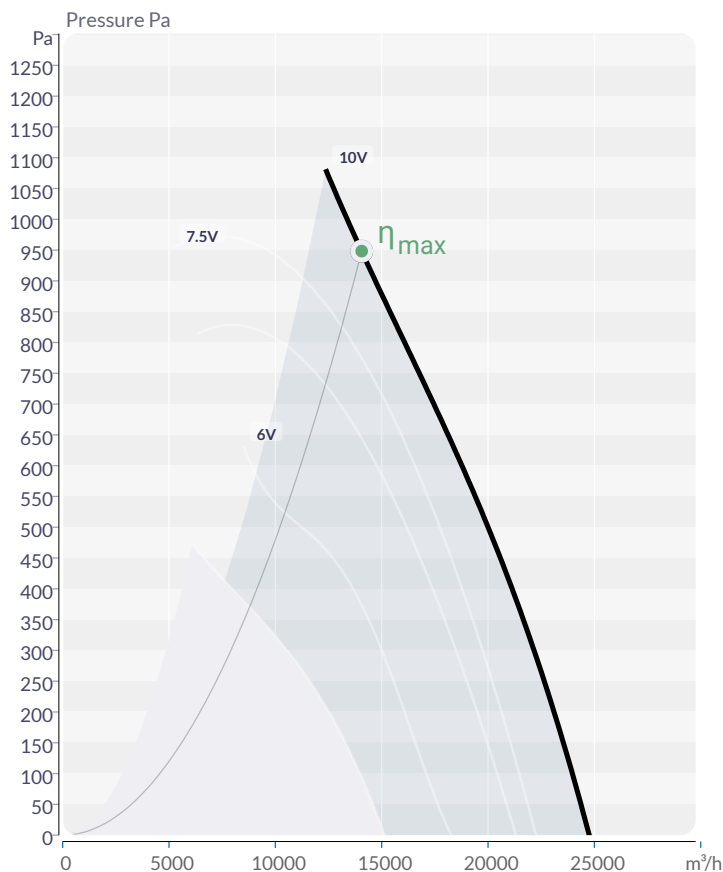


Required working point

Flow	Q	14171	m³/h
Pressure	Δp	947	Pa
Ambient temperature	t_{MED}	20	°C

Operating point

Flow	Q	14171	14171	m³/h
Static pressure	Δp_{ST}	947	947	Pa
Dynamic pressure	Δp_D	90	90	Pa
Total pressure	Δp_{TOT}	1037	1037	Pa
Absorbed power	P_{ABS}	5339	5341	W
Current	I_{ABS}	8.56	8.57	A
Instantaneous Rotational Speed	n	1657	1657	rpm
Speed	v	12.24	12.24	m/s
Static efficiency	η_{ST}	69.8	69.8	%
Total efficiency	η_{TOT}	76.5	76.4	%
SFP	SFP	1356	1357	W/m³/s
Regulation		-	-	EC

Sound power level	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	Σ
inlet - L_{WA5}	71	79	89	87	86	83	76	68	93
outlet - L_{WA6}	65	76	87	86	86	82	76	68	92
emitted - L_{WA2}	65	76	87	86	86	82	76	68	92

Sound pressure level	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	Σ
inlet - L_{PA5}	57	65	75	73	72	69	62	54	79
outlet - L_{PA6}	51	62	73	72	72	68	62	54	78
emitted - L_{PA2}	51	62	73	72	72	68	62	54	78

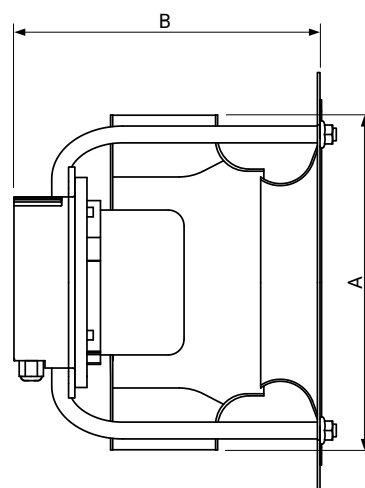
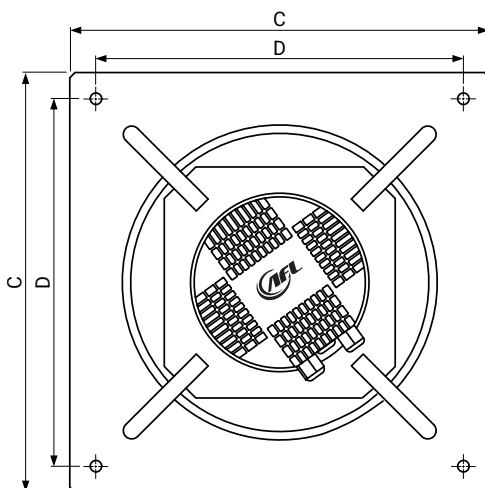
Sound pressure level calculated from the parameters
distance from the fan 3m, slope coefficient Q: 2, sound wave interference, equivalent absorption area 200m² Sabine

Nominal parameters

Maximum Airflow Volume	Q_{MAX}	25000	m³/h
Maximum Static Pressure	Δp_{MAX}	1081	Pa
Nominal power	P_{NOM}	4300	W
Nominal Rotational Speed	n	1700	rpm
Nominal current	I_{NOM}	6.9	A
Nominal voltage	U_{NOM}	400	V
Number of phases	~	3	
Nominal frequency	f_{NOM}	50	Hz
Diameter	Ø	640	mm
Unit weight	m	70	kg
Maximum Achievable Rotational Speed	n_{MAX}	1700	rpm
Maximum power consumption	P_{MAX}	5454	W
Maximum current consumption	I_{MAX}	9	A
Minimum operating temperature	t_{OPmin}	-30	°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		F	
Motor protection class		IP54	



Dimensions [mm]



A	B	C	D
640	579	730	662