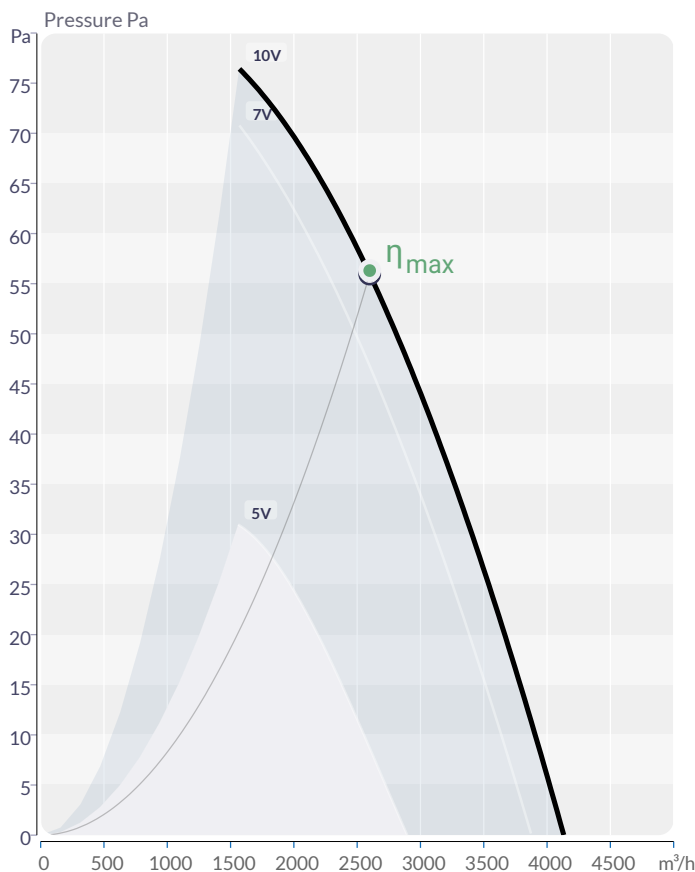


Required working point

Flow	Q	2599	m³/h
Pressure	Δp	56	Pa
Ambient temperature	t_{MED}	20	°C

Operating point

Flow	Q	2599	2599	m³/h
Static pressure	Δp_{ST}	56	56	Pa
Dynamic pressure	Δp_D	12	12	Pa
Total pressure	Δp_{TOT}	68	69	Pa
Absorbed power	P_{ABS}	128	129	W
Current	I_{ABS}	0.94	0.95	A
Instantaneous Rotational Speed	n	1072	1074	rpm
Speed	v	4.54	4.54	m/s
Static efficiency	η_{ST}	31.5	31.4	%
Total efficiency	η_{TOT}	38.5	38.4	%
SFP	SFP	178	179	W/m³/s
Regulation		-	-	EC

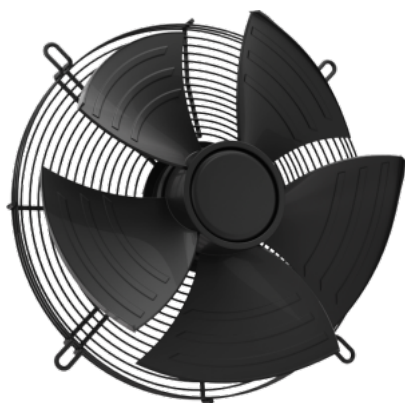
Sound power level	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	Σ
inlet - L_{WA5}	55	67	72	70	68	64	57	48	76
outlet - L_{WA6}	47	63	70	69	68	64	57	48	75
emitted - L_{WA2}	47	63	70	69	68	64	57	48	75

Sound pressure level	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	Σ
inlet - L_{PA5}	41	53	58	56	54	50	43	34	62
outlet - L_{PA6}	33	49	56	55	54	50	43	34	61
emitted - L_{PA2}	33	49	56	55	54	50	43	34	61

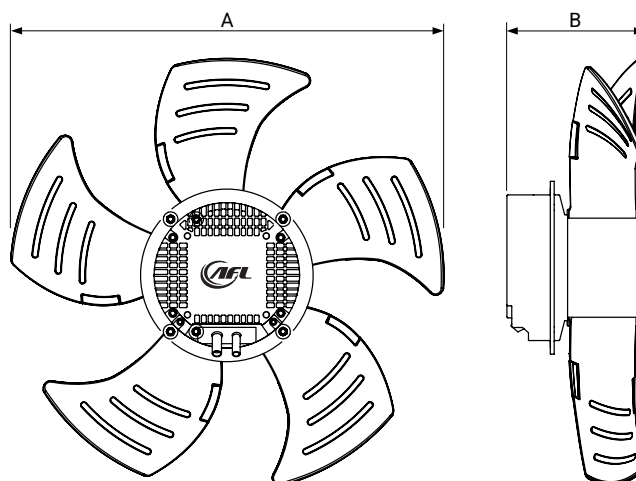
Sound pressure level calculated from the parameters
distance from the fan 3m, slope coefficient Q: 2, sound wave interference, equivalent absorption area 200m² Sabine

Nominal parameters

Maximum Airflow Volume	Q_{MAX}	4140	m³/h
Maximum Static Pressure	Δp_{MAX}	66	Pa
Nominal power	P_{NOM}	100	W
Nominal Rotational Speed	n	1086	rpm
Nominal current	I_{NOM}	0.72	A
Nominal voltage	U_{NOM}	230	V
Number of phases	~	1	
Nominal frequency	f_{NOM}	50	Hz
Sound pressure level from the housing	L_{PA2}	52	dB(A)
Diameter	Ø	450	mm
Unit weight	m	5	kg
Maximum Achievable Rotational Speed	n_{MAX}	1086	rpm
Maximum power consumption	P_{MAX}	132	W
Maximum current consumption	I_{MAX}	1	A
Minimum operating temperature	t_{OPmin}	-25	°C
Maximum operating temperature	t_{OPmax}	60	°C
Maximum medium temperature at regulation	$t_{MEDmaxR}$	60	°C
Number of Motor Poles	pole	-	x
Motor type		EC	
Type of motor control		EC	
Motor insulation class		B	
Motor protection class		IP54	



Dimensions [mm]



A	B
350	136