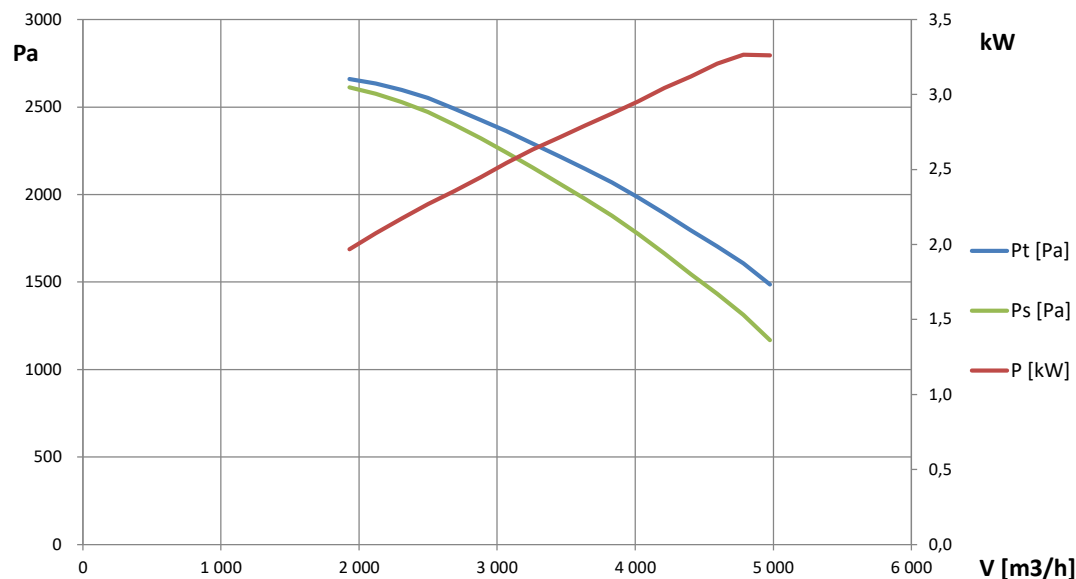


Fan Type	Fan efficiency [%]	Total pressure Pt [Pa]	Dynamic pressure in outlet Pd [Pa]	Static pressure increase dPs [Pa]	Motor power consumption [kW]	Impeller rpm
NCF 30/23 56-R 250 4,0kW	79,3	2384	116	2269	2,5	2920

Air temperature	20 °C
Relative under pressure in inlet	0 Pa
Actual air density in fan inlet	1,20 kg/m ³
Actual air volume	3 000 Am ³ /h
Fan inlet diameter	250 mm
Actual inlet speed	17,0 m/s

Noise level	
Distance [m]	1
No of planes of reflection =	1
Reflection space factor =	2



Noise level of selected fans									
frequency Hz									
63	125	250	500	1000	2000	4000	8000	Total	
83,4	81,1	90,1	82,2	81,9	76,8	76,8	72,2	92,5	Lw dB (open inl.&out.)
49,4	57,1	73,1	71,2	73,9	69,8	69,8	63,2	79,0	Lp dB(A) in 1 m (open inl. & out.)
35,4	45,1	60,1	59,2	61,9	58,8	58,8	52,2	67,1	Lp dB(A) in 1 m (ducted inl. & out.)
28,4	33,1	44,1	38,2	39,9	35,8	35,8	30,2	47,3	Lp dB(A) in 1 m (ducted inl. & out. fan in sound-box)