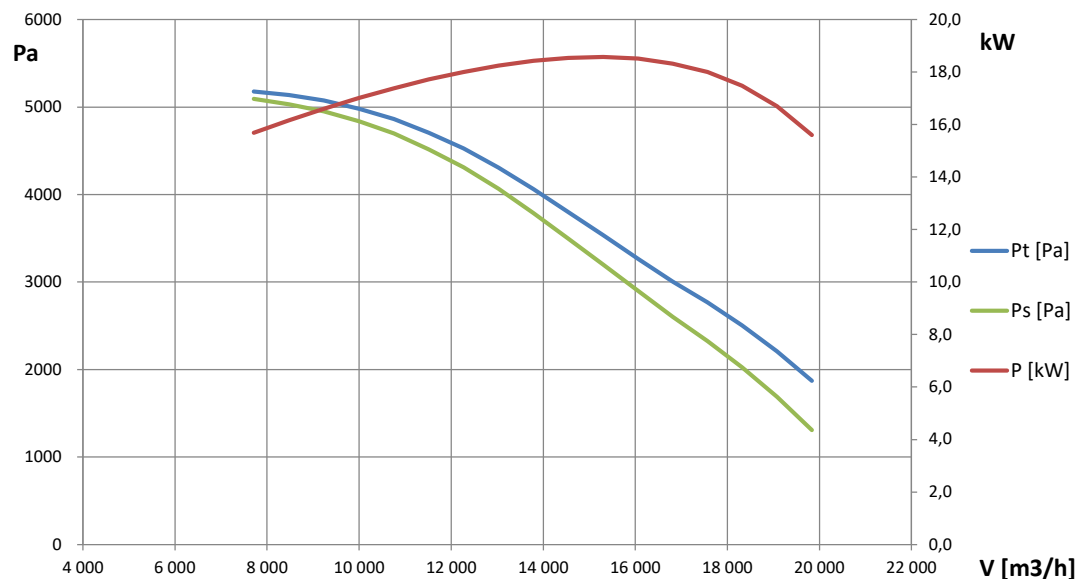


Fan Type	Fan efficiency [%]	Total pressure Pt [Pa]	Dynamic pressure in outlet Pd [Pa]	Static pressure increase dPs [Pa]	Motor power consumption [kW]	Impeller rpm
NCF 140/40 67-R 450 18,5kW	84,7	3987	280	3707	18,3	2925

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	14 000 Am ³ /h
Fan inlet diameter	450 mm
Actual inlet speed	24,5 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	
93,5	90,9	99,4	92,5	89,6	86,0	86,6	79,4	102,0	Lw dB (open inl.&out.)
59,5	66,9	82,5	81,5	81,6	79,0	79,6	70,4	88,1	Lp dB(A) in 1 m (open inl. & out.)
50,5	50,9	68,5	69,5	69,6	66,0	69,6	59,4	75,9	Lp dB(A) in 1 m (ducted inl. & out.)
43,5	38,9	52,5	48,5	47,6	43,0	46,6	37,4	56,1	Lp dB(A) in 1 m (ducted inl. & out. fan in sound-box)