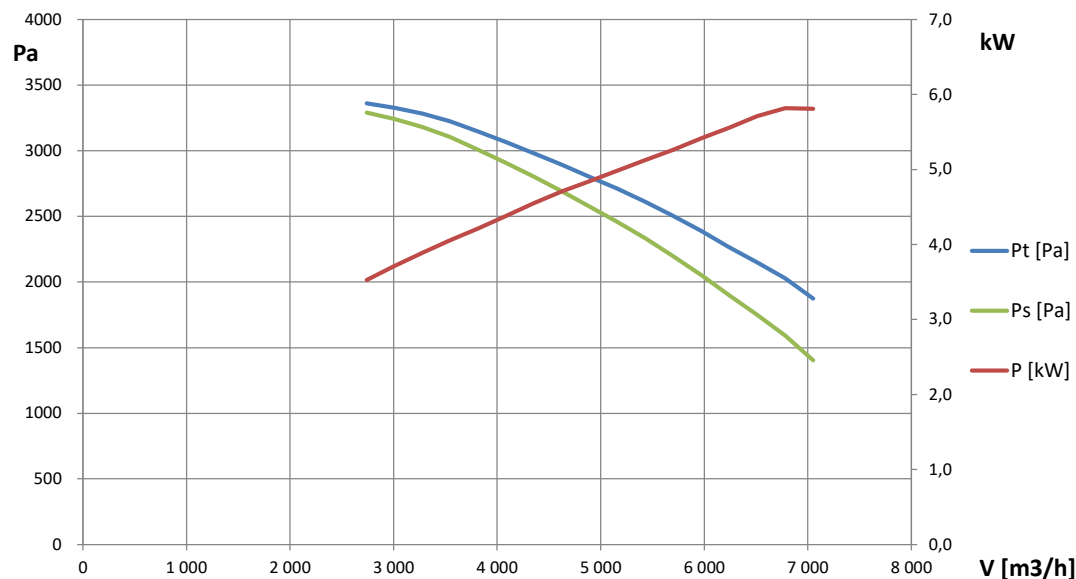


Fan Type	Fan efficiency [%]	Total pressure Pt [Pa]	Dynamic pressure in outlet Pd [Pa]	Static pressure increase dPs [Pa]	Motor power consumption [kW]	Impeller rpm
NCF 40/30 56-R 280 5,5kW	79,2	3091	151	2939	4,3	2920

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	4 000 Am ³ /h
Fan inlet diameter	280 mm
Actual inlet speed	18,0 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	
88,1	85,6	93,5	85,4	85,5	79,8	81,2	74,6	96,2	Lw dB (open inl.&out.)
54,1	61,6	76,5	74,4	77,5	72,8	74,2	65,6	82,5	Lp dB(A) in 1 m (open inl. & out.)
40,1	49,6	63,5	62,4	65,5	61,8	63,2	54,6	70,6	Lp dB(A) in 1 m (ducted inl. & out.)
33,1	37,6	47,5	41,4	43,5	38,8	40,2	32,6	50,8	Lp dB(A) in 1 m (ducted inl. & out. fan in sound-box)