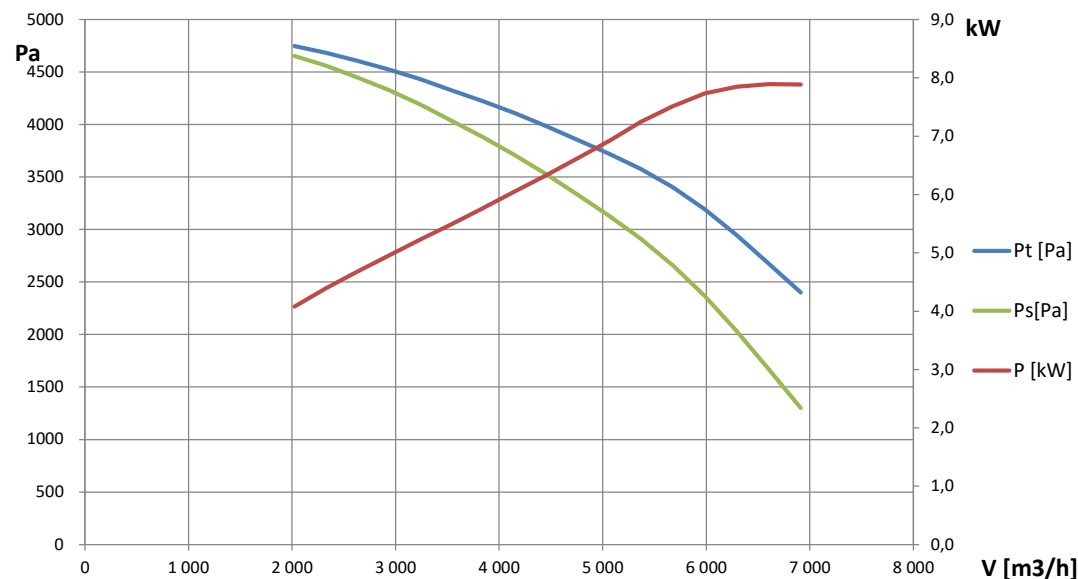


Fan Type	Fan efficiency [%]	Total pressure Pt [Pa]	Dynamic pressure in outlet Pd [Pa]	Static pressure increase dPs [Pa]	Motor power consumption [kW]	Impeller rpm
NCF 40/41 40-R 224 7,5kW	78,2	4164	369	3795	5,9	2925

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	4 000 Am ³ /h
Fan inlet diameter	224 mm
Actual inlet speed	28,2 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	
85,4	84,5	95,8	86,4	85,3	80,4	80,0	79,3	97,4	Lw dB (open inl.&out.)
51,4	60,5	78,9	75,4	77,4	73,5	73,0	70,3	83,4	Lp dB(A) in 1 m (open inl. & out.)
43,4	53,5	68,9	64,4	72,4	60,5	59,0	51,3	74,8	Lp dB(A) in 1 m (ducted inl. & out.)
36,4	41,5	52,9	43,4	50,4	37,5	36,0	29,3	55,5	Lp dB(A) in 1 m (ducted inl. & out. fan in sound-box)