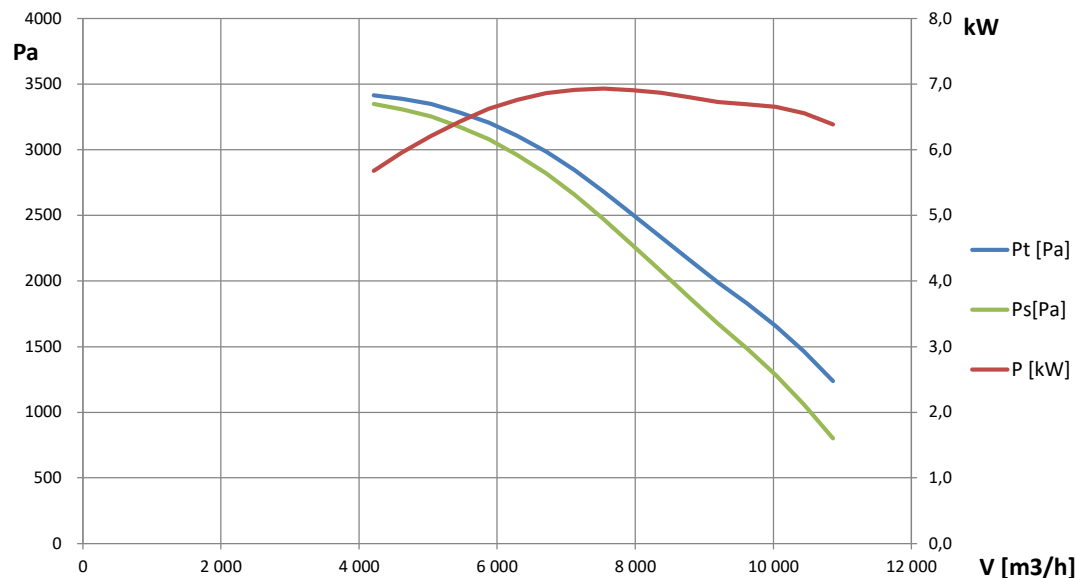


| Fan Type                 | Fan efficiency [%] | Total pressure Pt [Pa] | Dynamic pressure in outlet Pd [Pa] | Static pressure increase dPs [Pa] | Motor power consumption [kW] | Impeller rpm |
|--------------------------|--------------------|------------------------|------------------------------------|-----------------------------------|------------------------------|--------------|
| NCF 75/30 63-R 355 7,5kW | 81,5               | 2697                   | 208                                | 2489                              | 6,9                          | 2925         |

|                                  |                          |
|----------------------------------|--------------------------|
| Air temperature                  | 20 °C                    |
| Relative under pressure in inlet | 0 Pa                     |
| Actual air density in fan inlet  | 1,20 kg/m <sup>3</sup>   |
| Actual air volume                | 7 500 Am <sup>3</sup> /h |
| Fan inlet diameter               | 355 mm                   |
| Actual inlet speed               | 21,0 m/s                 |

|                              |   |
|------------------------------|---|
| <b>Noise level</b>           |   |
| 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 |                                                       |
| 86,3                         | 86,8 | 91,8 | 86,5 | 85,7 | 81,7 | 82,5 | 74,8 | 95,5  | Lw dB (open inl.&out.)                                |
| 52,3                         | 62,8 | 74,8 | 75,5 | 77,7 | 74,7 | 75,5 | 65,8 | 82,9  | Lp dB(A) in 1 m (open inl. & out.)                    |
| 43,3                         | 46,8 | 60,8 | 63,5 | 65,7 | 61,7 | 65,5 | 54,8 | 71,0  | Lp dB(A) in 1 m (ducted inl. & out.)                  |
| 36,3                         | 34,8 | 44,8 | 42,5 | 43,7 | 38,7 | 42,5 | 32,8 | 50,3  | Lp dB(A) in 1 m (ducted inl. & out. fan in sound-box) |