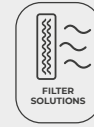


UFX

Acoustically insulated filtration units, equipped with double inlet fans and different filtration stages depending on the model



Characteristics:

- Acoustically insulated structure.
- Belt driven.
- F6 + F8, F7 + F9 and G4 + F6 filters, depending on selected model.
- Possibility of pre-filter, plus two filtration stages.
- Easy access inspection and cleaning hatch.
- Pressure taps for filter control.

Construction:

- Galvanised sheet steel structure with acoustic insulation.
- Forward curved impeller in galvanized sheet steel.
- Glands for cable entry.
- Built-in support bench.

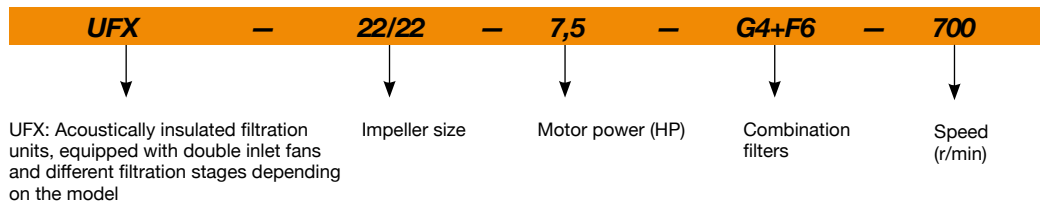
Motor:

- Class F motors with ball bearings and IP55 protection.
- Motors with IE3 efficiency for powers equal to or greater than 0.75 kW, except single-phase, 2-speed and 8-pole.
- Three-phase 230/400 V 50 Hz (up to 4 kW) and 400/690 V 50 Hz (powers greater than 4 kW).
- Temperature of the air to be carried: -20 °C to +60 °C.

Finish:

- Anti-corrosive in galvanized steel sheet.

Order code



Technical characteristics

Model	Installed power max. (kW)	Maximum flow rate (m ³ /h)			N° Pré-filters		N° Filters		Approx. weight (Kg)	According ErP
		Filters (F6+F8)	Filters (F7+F9)	Filters (G4+F6)	Whole*	Medium*	Whole*	Medium*		
UFX-12/12	2.20	5,250	5,100	4,650	1	0	1	0	112	2018
UFX-15/15	3.00	9,050	8,870	8,225	1	2	1	2	148	2018
UFX-18/18	4.00	10,735	10,370	9,320	1	2	1	2	195.5	2018
UFX-20/20	7.50	16,805	16,510	15,575	4	0	4	0	351.5	2018
UFX-22/22	11.00	21,100	20,610	19,110	4	0	4	0	401	2018
UFX-25/25	11.00	26,760	26,190	24,355	4	4	4	4	457	2018
UFX-30/28	15.00	41,060	40,310	37,840	9	0	9	0	575	2018

*Pre-filter dimensions: Whole: 585x585x48. Medium: 290x585x48

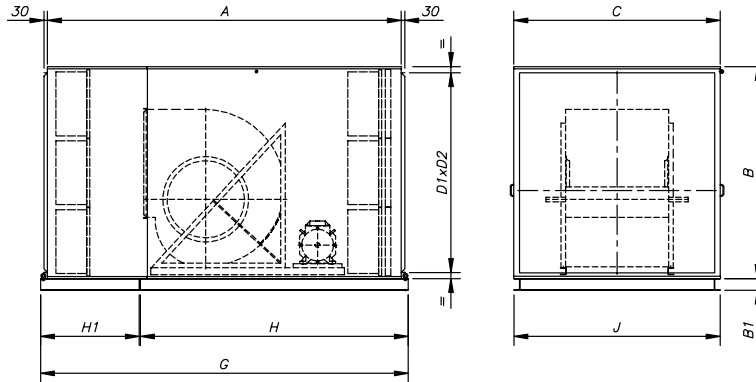
*Filter dimensions: Whole: 593x593x292. Medium: 288x593x292



Erp. (Energy Related Products)

Information on Directive 2009/125/EC can be downloaded from the SODECA website or the QuickFan selector programme.

Dimensions mm



	A	B	C	D1	D2	B1	H	H1	G	J
UFX-12/12	1782	650	700	556	606	60	-	-	1902	698
UFX-15/15	2157.5	932.5	888	826	794	80	1610	657.5	2277.5	886
UFX-18/18	2272.5	932.5	888	826	794	80	1725	657.5	2392.5	886
UFX-20/20	2515	1236.5	1192	1123	1095	80	1855	770	2635	1194
UFX-22/22	2630	1236.5	1192	1123	1095	80	1970	770	2750	1194
UFX-25/25	2827	1524.5	1480	1422	1386	100	2083	854	2947	1478
UFX-30/28	3060	1832.5	1786	1727	1690	100	2316	854	3180	1784

Accessories



FILTROS



CJFILTER



SI-PRESOSTATO



SI-PRESIÓN



KIT CAUDAL
CONSTANTE



SONDA PRESIÓN
DIFERENCIAL



INT



VIS



TEJ



SB



BS

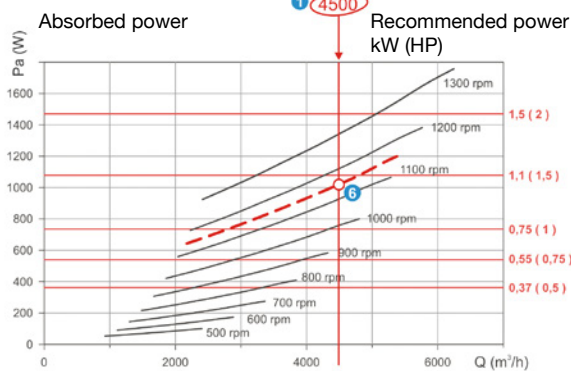
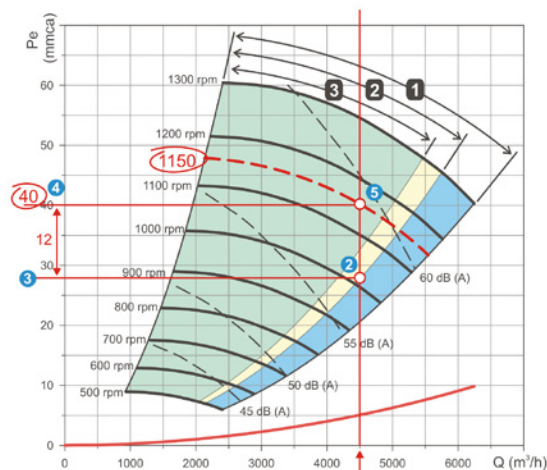
EXAMPLE OF SELECTING FILTRATION UNIT UFX

Useful areas according to filters **1** F6+F8 **2** F7+F9 **3** G4+F6

Static pressure Dynamic pressure Sound power dB(A)

Initial data:

- Working flow with clean filters. It is advised to increase the required flow by 10%. In total: 4500 m³/h.
- Head loss from the installation 12 mm H₂O.
- Desired combination of filters: F7+F9.



Procedure:

- On the flow-pressure graph, trace a vertical line from the point of 4500 m³/h on the flow (1) axis, through the entire graph, to the point of least pressure of the working area of F7 + F9 (2).

- Trace a horizontal line to the pressure scale (3). The value on the Pe scale is the resistance of the 100% clean filters. In this case, 28 mm H₂O.

- Trace a line parallel to the horizontal line, by adding on the installation's head loss of 12 mm H₂O (4).

- Point (5) is the service point of the equipment, under operating conditions: 4500 m³/h at 40 mm H₂O. It must be checked that the service point is within the useful area of F7+F9. If this is not the case, another piece of equipment must be found.

- The speed of transmission is determined by the position of the service point, between two curves at a known speed. In this case, the result is: 1150 r/min.

- As the filters get dirty, the pressure will increase and the flow will diminish following the curve of: 1150 r/min. The dirty filter must be replaced by a clean one when the flow is reduced to below the acceptable level, or the pressure rises above the maximum indicated on the RITE.

- In the graph of absorbed power, it is possible to find the appropriate motor, tracing a curve of 1150 r/min, between the curves drawn. In the intersection with the flow line, the service point is obtained (6).

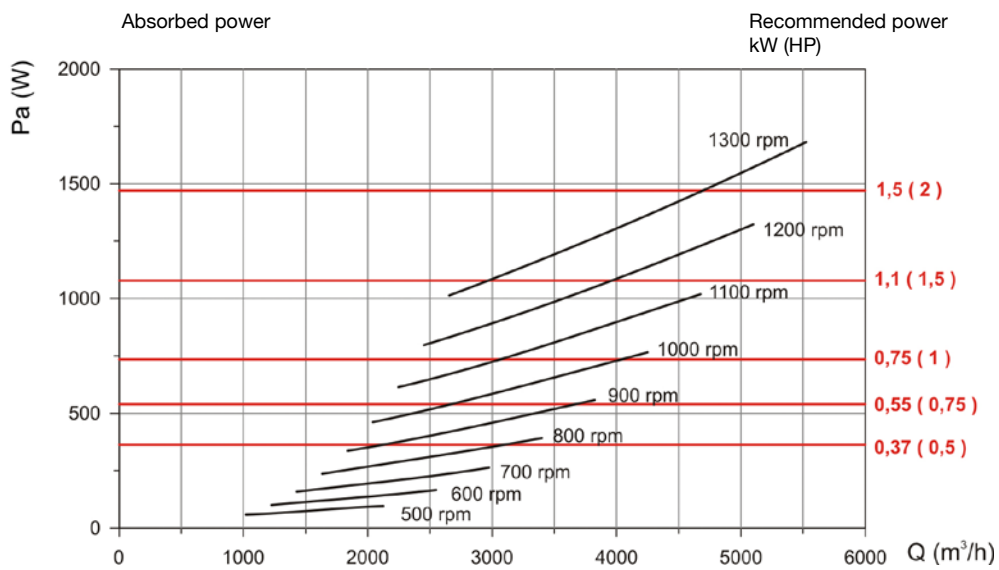
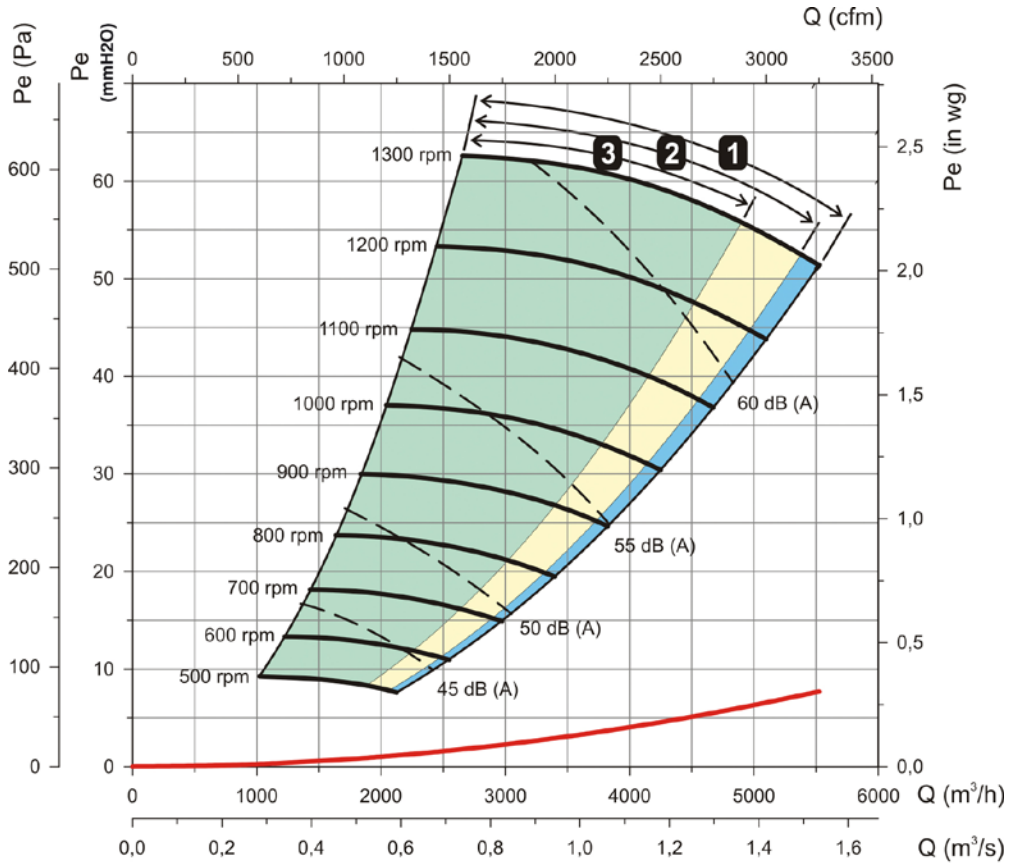
- The power immediately above the operating point is: 1,5 CV.

Characteristic curves

Useful areas according to filters **1** F6+F8 **2** F7+F9 **3** G4+F6

Static pressure Dynamic pressure Sound power dB(A)

UFX-12/12

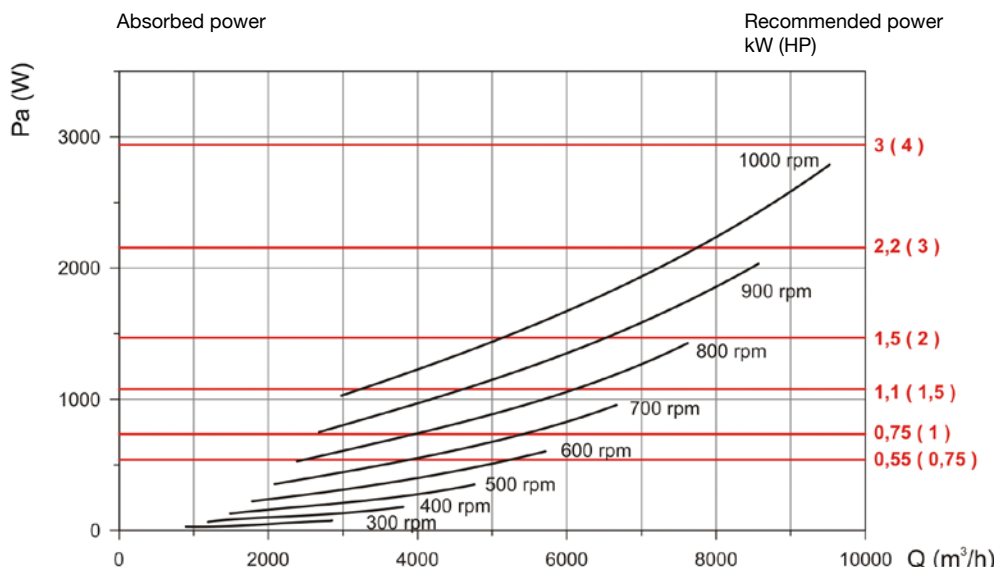
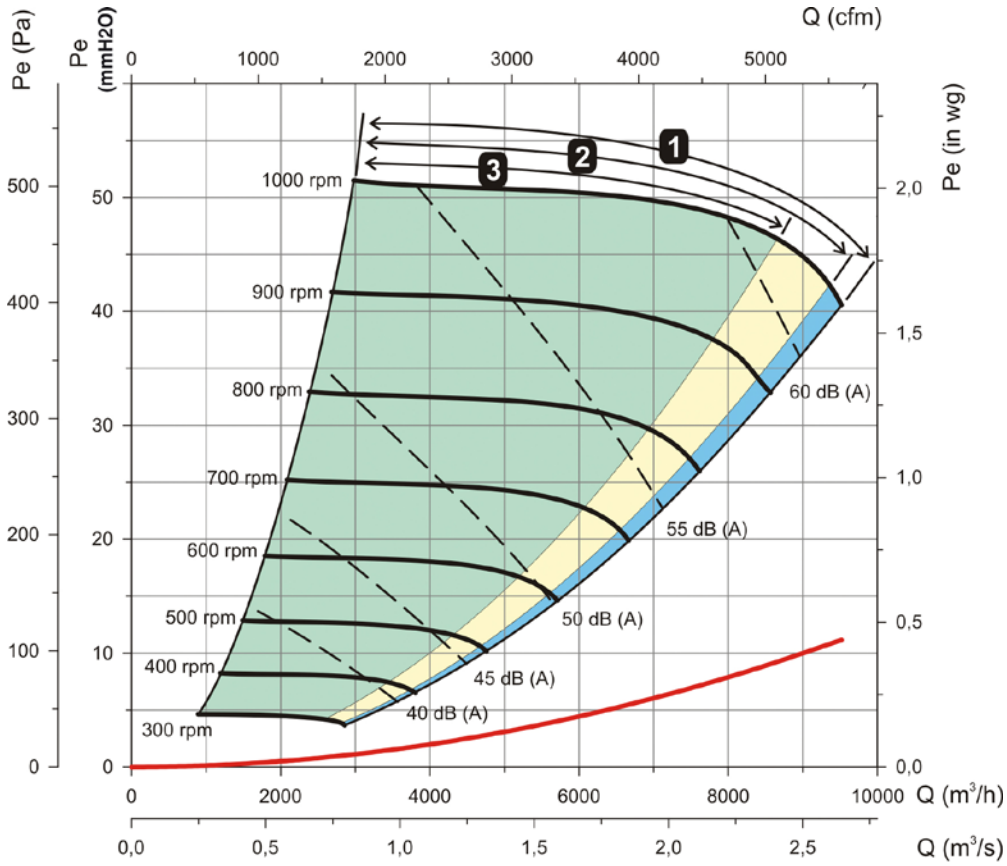


Characteristic curves

Useful areas according to filters **1** F6+F8 **2** F7+F9 **3** G4+F6

Static pressure Dynamic pressure Sound power dB(A)

UFX-15/15



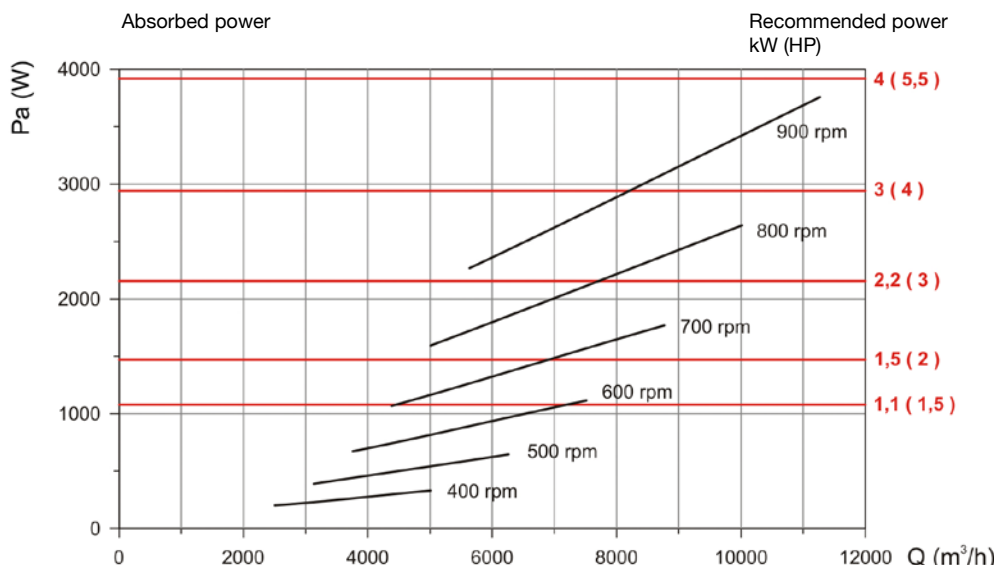
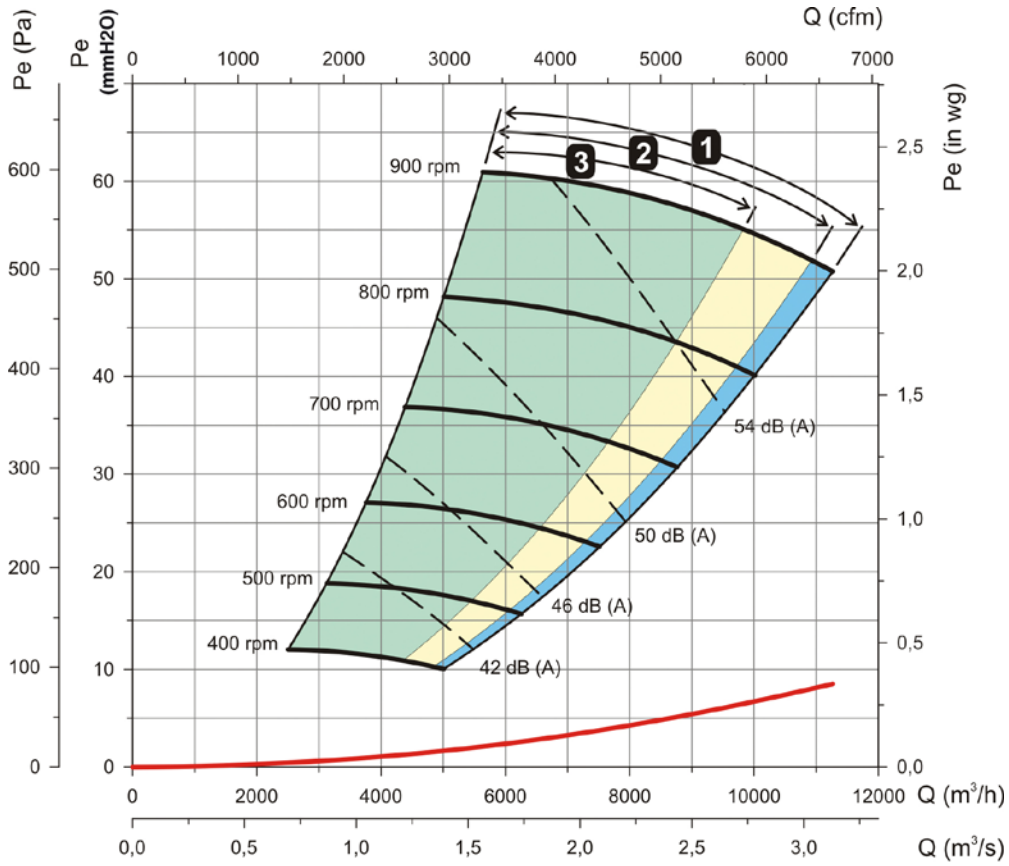
FILTRATION AND DISINFECTION UNITS

Characteristic curves

Useful areas according to filters **1** F6+F8 **2** F7+F9 **3** G4+F6

Static pressure Dynamic pressure Sound power dB(A)

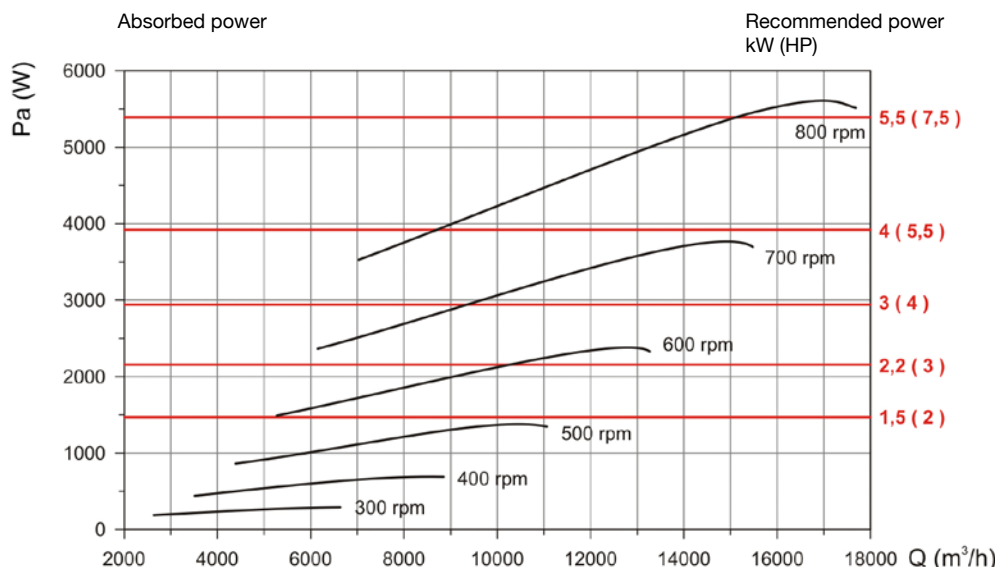
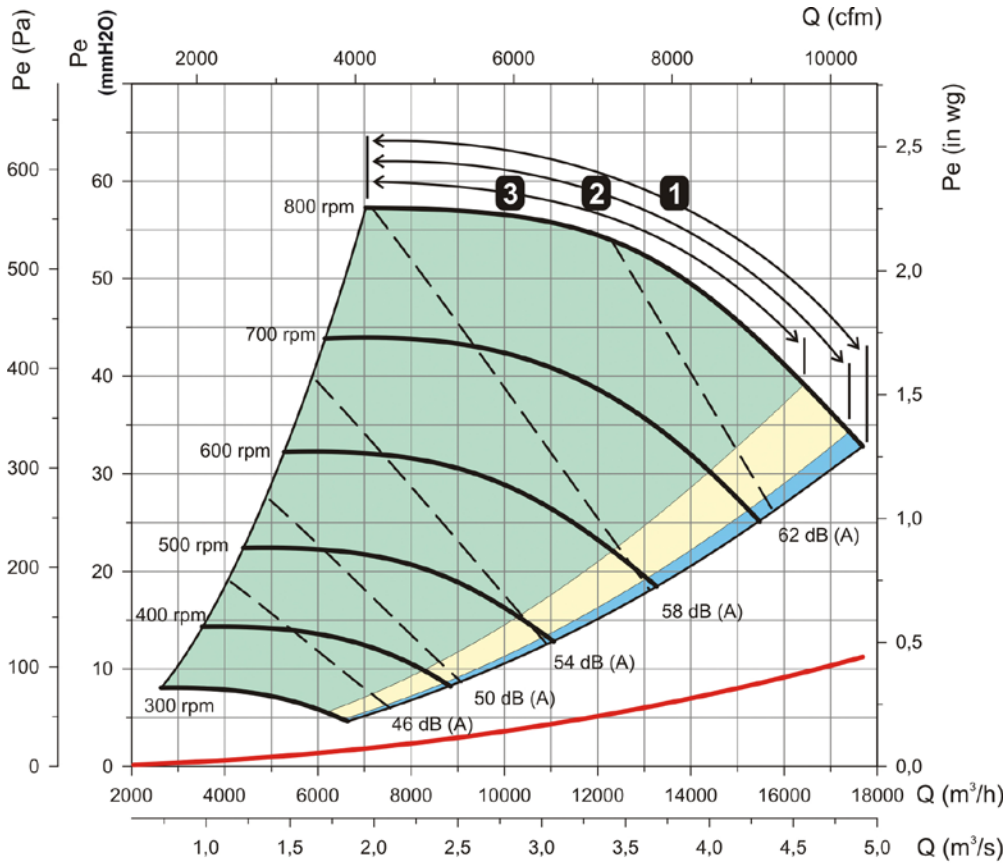
UFX-18/18



Characteristic curves

Useful areas according to filters **1** F6+F8 **2** F7+F9 **3** G4+F6
 Static pressure Dynamic pressure Sound power dB(A)

UFX-20/20

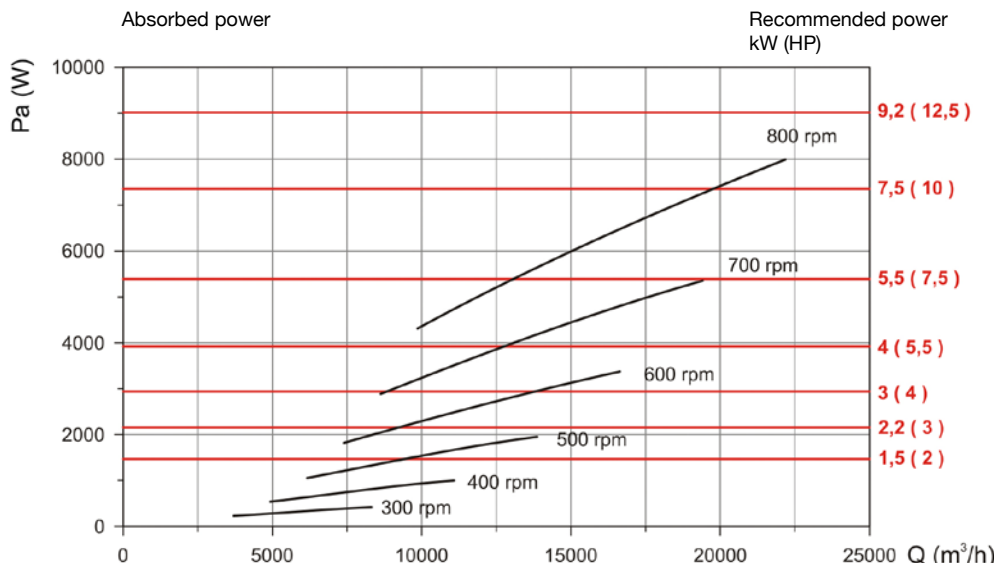
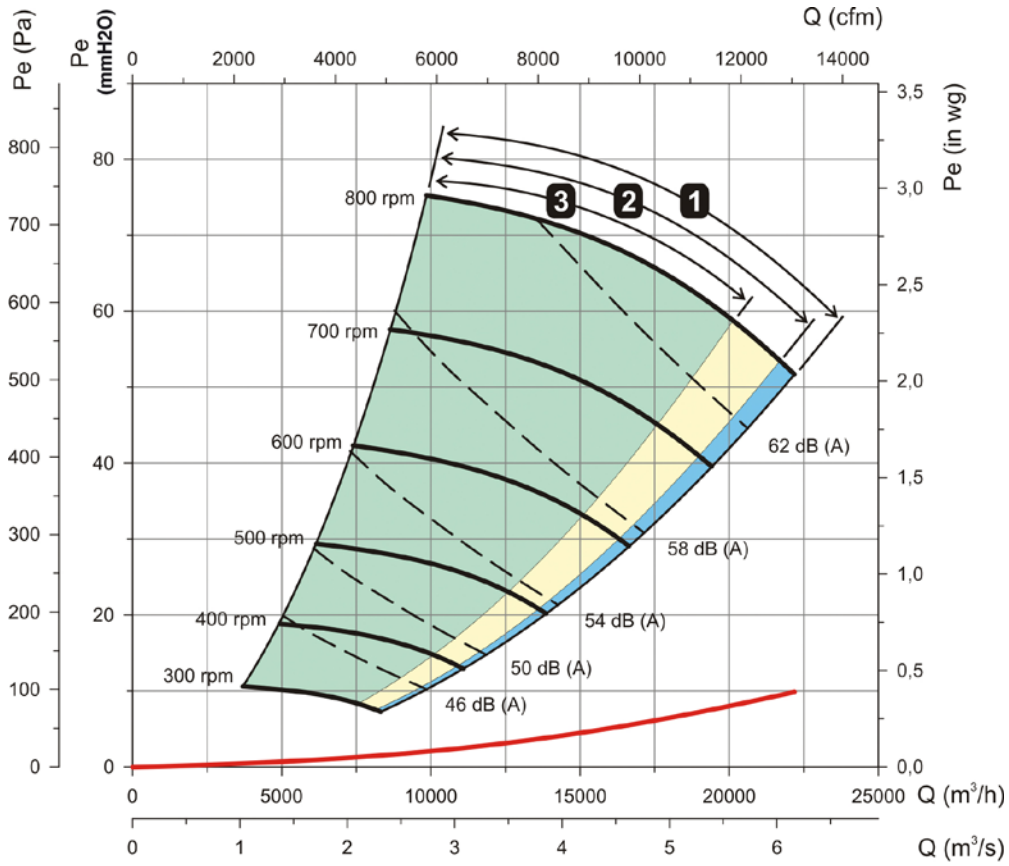


FILTRATION AND DISINFECTION UNITS

Characteristic curves

Useful areas according to filters **1** F6+F8 **2** F7+F9 **3** G4+F6
 Static pressure Dynamic pressure Sound power dB(A)

UFX-22/22



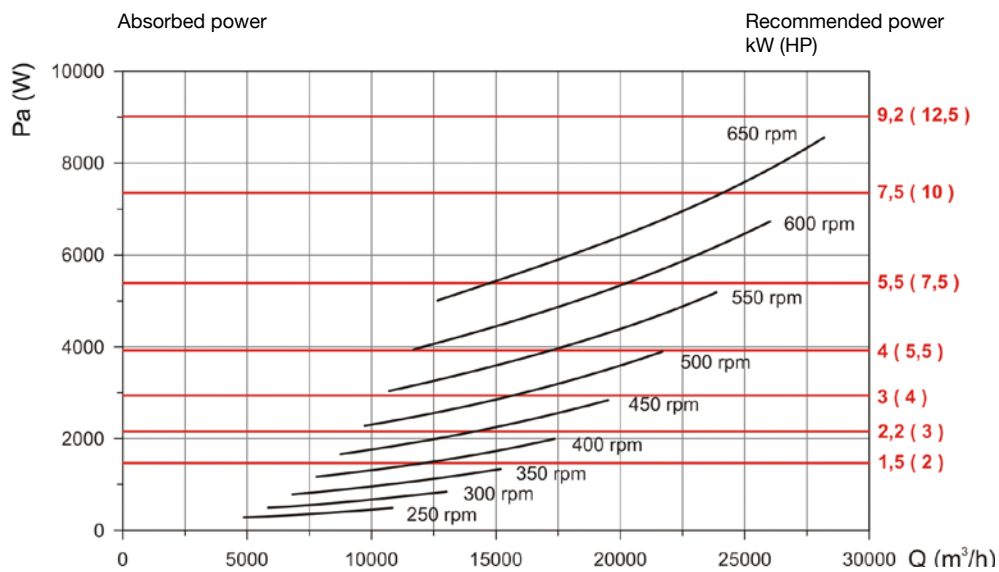
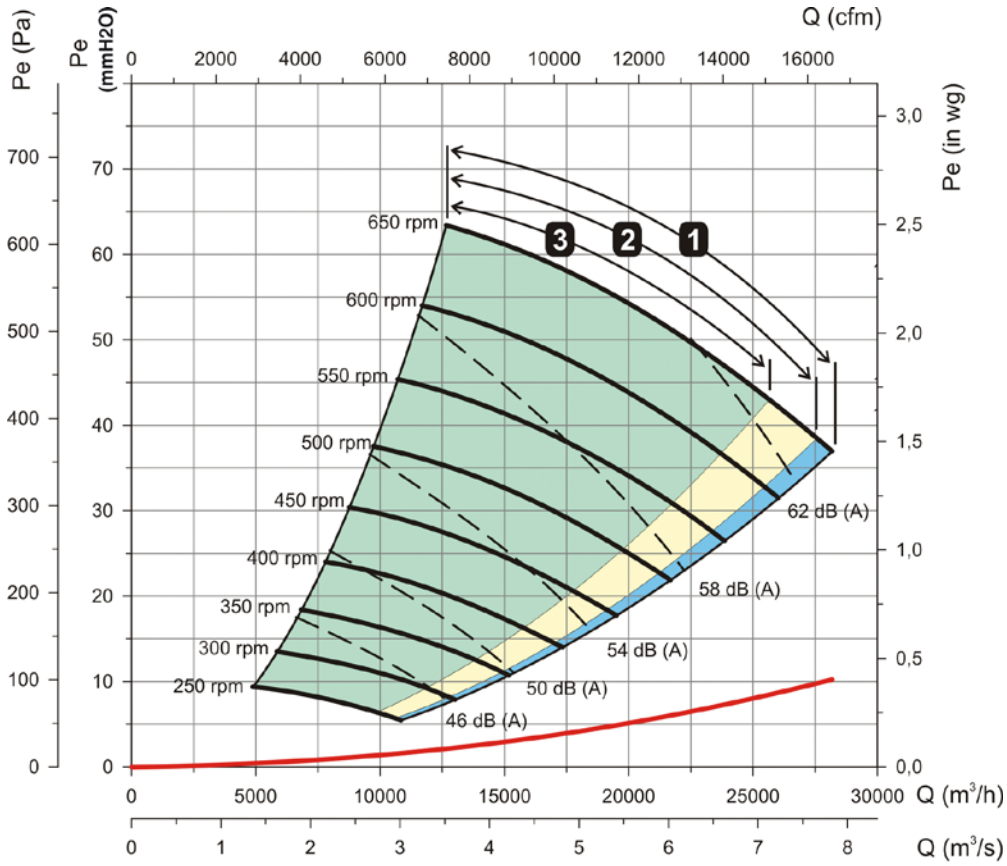
FILTRATION AND DISINFECTION UNITS

Characteristic curves

Useful areas according to filters **1** F6+F8 **2** F7+F9 **3** G4+F6

Static pressure Dynamic pressure Sound power dB(A)

UFX-25/25

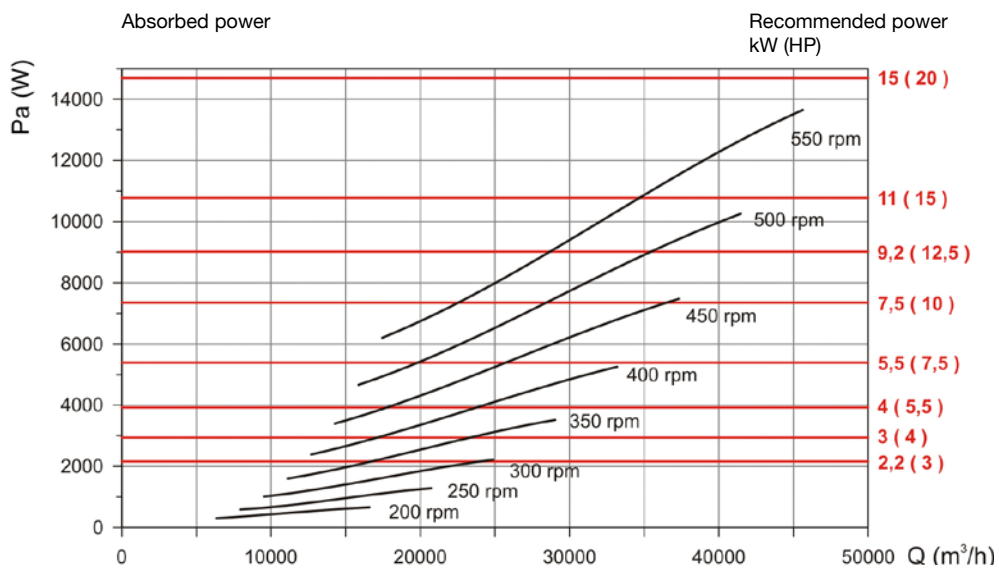
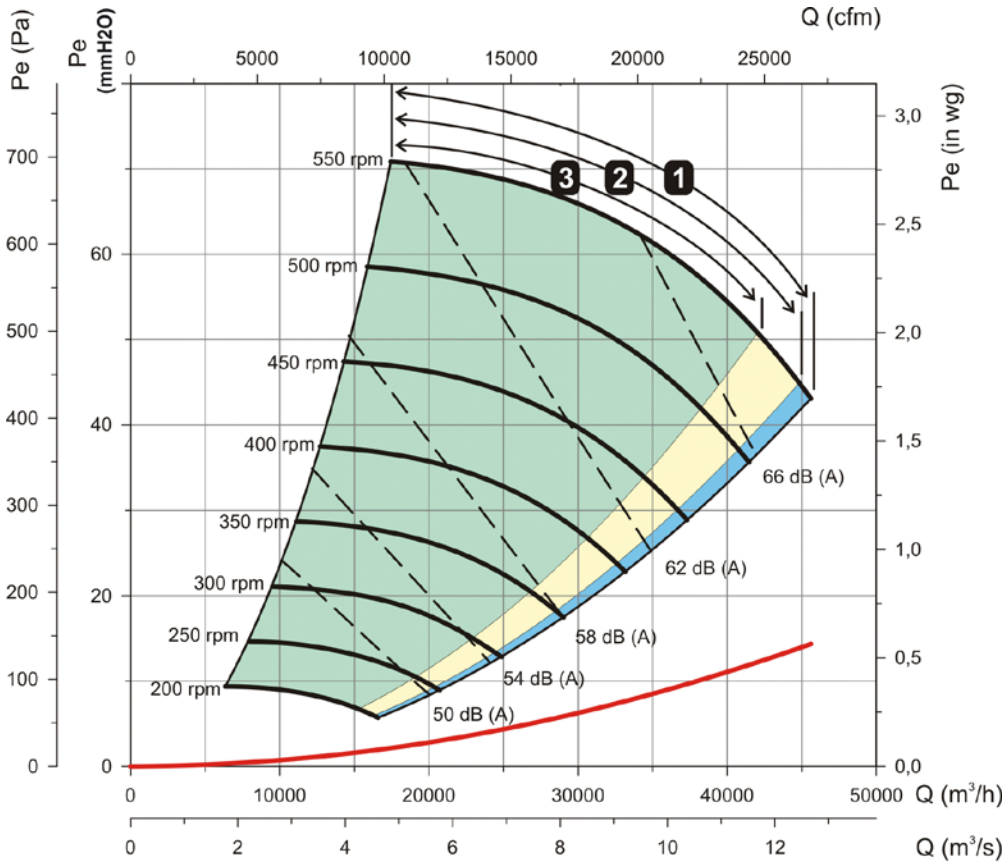


FILTRATION AND DISINFECTION UNITS

Characteristic curves

Useful areas according to filters **1** F6+F8 **2** F7+F9 **3** G4+F6
 Static pressure Dynamic pressure Sound power dB(A)

UXF-30/28



FILTRATION AND DISINFECTION UNITS