

Flair 450/600
Sound measurement 2061

Date : 19-07-2022
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Contact person : MWT



K. ter Horst (Manager R&D)

Subject : Flair 450/600 Sound Measurement
Date of measurement : 28-06-2022 t/m 01-07-2022
Report number : 2061



Table 1 – Measurement Casing sound.

Volume flow rate (m ³ /h)	Pressure (Pa)	Filter	LWA dB(A)
100	25	ISO 60% 2x	<38.1
150	25	ISO 60% 2x	37.5
200	25	ISO 60% 2x	36.5
200	50	ISO 60% 2x	42.0
300	50	ISO 60% 2x	45.5
300	100	ISO 60% 2x	46.0
315	50	ISO 60% 2x	46.0
315	50	ePM1/ISO 60%	46.5
345	100	ePM1/ISO 60%	50.5
420	50	ISO 60% 2x	52.0
420	50	ePM1/ISO 60%	51.5
450	100	ISO 60% 2x	51.7
450	150	ISO 60% 2x	54.0
460	100	ePM1/ISO 60%	53.0
500	100	ISO 60% 2x	56.0
500	150	ISO 60% 2x	54.5
600	100	ISO 60% 2x	56.5
600	150	ISO 60% 2x	56.5

Table 2 – Measurement extract.

Volume flow rate (m ³ /h)	Pressure (Pa)	Filter	LWA dB(A)
100	25	ISO 60% 2x	<36.3
150	25	ISO 60% 2x	35.0
200	25	ISO 60% 2x	38.5
200	50	ISO 60% 2x	40.0
300	50	ISO 60% 2x	45.0
300	100	ISO 60% 2x	42.5
315	50	ISO 60% 2x	45.0
315	50	ePM1/ISO 60%	45.5
345	100	ePM1/ISO 60%	51.5
420	50	ISO 60% 2x	49.0
420	50	ePM1/ISO 60%	48.0
450	100	ISO 60% 2x	49
450	150	ISO 60% 2x	49.5
460	100	ePM1/ISO 60%	52.0
500	100	ISO 60% 2x	51.0
500	150	ISO 60% 2x	52.0
600	100	ISO 60% 2x	53.5
600	150	ISO 60% 2x	56.5

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Table 3 – Measurement supply.

Volume flow rate (m ³ /h)	Pressure (Pa)	Filter	LWA dB(A)
100	25	ISO 60% 2x	<38.5
150	25	ISO 60% 2x	43.5
200	25	ISO 60% 2x	43.5
200	50	ISO 60% 2x	47.5
300	50	ISO 60% 2x	53.0
300	100	ISO 60% 2x	53.5
315	50	ISO 60% 2x	52.5
315	50	ePM1/ISO 60%	54.0
345	100	ePM1/ISO 60%	59.1
420	50	ISO 60% 2x	58.5
420	50	ePM1/ISO 60%	59.0
450	100	ISO 60% 2x	58.6
450	150	ISO 60% 2x	59.0
460	100	ePM1/ISO 60%	60.0
500	100	ISO 60% 2x	60.5
500	150	ISO 60% 2x	61.5
600	100	ISO 60% 2x	62.0
600	150	ISO 60% 2x	66.6

Table 4 – Measurement exhaust (To Outside).

Volume flow rate (m ³ /h)	Pressure (Pa)	Filter	LWA dB(A)
345	100	ePM1/ISO 60%	58.5
450	100	ISO 60% 2x	62.6
450	150	ISO 60% 2x	64.0
460	100	ePM1/ISO 60%	65.5
500	100	ISO 60% 2x	65.0
500	150	ISO 60% 2x	68.5
600	100	ISO 60% 2x	76.0
600	150	ISO 60% 2x	76.5

Table 5 – Measurement outdoor air.

Volume flow rate (m ³ /h)	Pressure (Pa)	Filter	LWA dB(A)
345	100	ePM1/ISO 60%	47.5
460	100	ePM1/ISO 60%	50.5