

Sound power level		Whole Casing Sound Power Spectrum (dB): FWQ05AAF					
FWQ05AAF		50 Hz - 230 V					
ESP		60		50		20	
Fan Speed		10.0V		7.6V		3.0V	
		H		M		L	
1/3 Oct. (Hz)	1/1 Oct. (Hz)	1/3 Oct (dB)	1/1 Oct (dB)	1/3 Oct (dB)	1/1 Oct (dB)	1/3 Oct (dB)	1/1 Oct (dB)
100		53.0		50.0		44.0	
125	125	51.8	56.3	48.8	53.3	42.8	47.3
160		48.9		45.9		39.9	
200		47.6		44.6		38.6	
250	250	49.0	53.3	46.0	50.3	40.0	44.3
315		49.0		46.0		40.0	
400		48.2		45.2		39.2	
500	500	45.7	51.3	42.7	48.3	36.7	42.3
630		45.0		42.0		36.0	
800		48.0		45.0		39.0	
1000	1000	45.9	50.6	42.9	47.6	36.9	41.6
1250		41.5		38.5		32.5	
1600		40.6		37.6		31.6	
2000	2000	40.2	44.5	37.2	41.5	31.2	35.5
2500		38.1		35.1		29.1	
3150		34.4		31.4		25.4	
4000	4000	31.4	36.9	28.4	33.9	22.4	27.9
5000		28.6		25.6		19.6	
6300		26.4		23.4		17.4	
8000	8000	24.3	29.4	21.3	36.4	15.3	20.4
10000		22.2		19.2		13.2	
dB(A)		54.0		51.0		45.0	

Sound power level		Discharge Sound Power Spectrum (dB): FWQ05AAF					
FWQ05AAF		50 Hz - 230 V					
ESP		60		50		20	
Fan Speed		10.0V		7.6V		3.0V	
		H		M		L	
1/3 Oct. (Hz)	1/1 Oct. (Hz)	1/3 Oct (dB)	1/1 Oct (dB)	1/3 Oct (dB)	1/1 Oct (dB)	1/3 Oct (dB)	1/1 Oct (dB)
100		48.0		45.0		39.0	
125	125	46.8	51.3	43.8	48.3	37.8	42.3
160		43.9		40.9		34.9	
200		42.6		39.6		33.6	
250	250	44.0	48.3	41.0	45.3	35.0	39.3
315		44.0		41.0		35.0	
400		43.2		40.2		34.2	
500	500	40.7	46.3	37.7	43.3	31.7	37.3
630		40.0		37.0		31.0	
800		43.0		40.0		34.0	
1000	1000	40.9	45.6	37.9	42.6	31.9	36.6
1250		36.5		33.5		27.5	
1600		35.6		32.6		26.6	
2000	2000	35.2	39.5	32.2	36.5	26.2	30.5
2500		33.1		30.1		24.1	
3150		29.4		26.4		20.4	
4000	4000	26.4	31.9	23.4	28.9	17.4	22.9
5000		23.6		20.6		14.6	
6300		21.4		18.4		12.4	
8000	8000	19.3	24.4	16.3	21.4	10.3	15.4
10000		17.2		14.2		8.2	
dB(A)		49.0		46.0		40.0	

Sound power level		Inlet and Casing Sound Power Spectrum (dB): FWQ05AAF					
FWQ05AAF		50 Hz - 230 V					
ESP		60		50		20	
Fan Speed		10.0V		7.6V		3.0V	
		H		M		L	
1/3 Oct. (Hz)	1/1 Oct. (Hz)	1/3 Oct (dB)	1/1 Oct (dB)	1/3 Oct (dB)	1/1 Oct (dB)	1/3 Oct (dB)	1/1 Oct (dB)
100		51.0		48.0		42.0	
125	125	49.8	54.3	46.8	51.3	40.8	45.3
160		46.9		43.9		37.9	
200		45.6		42.6		36.6	
250	250	47.0	51.3	44.0	48.3	38.0	42.3
315		47.0		44.0		38.0	
400		46.2		43.2		37.2	
500	500	43.7	49.3	40.7	46.3	34.7	40.3
630		43.0		40.0		34.0	
800		46.0		43.0		37.0	
1000	1000	43.9	48.6	40.9	45.6	34.9	39.6
1250		39.5		36.5		30.5	
1600		38.6		35.6		29.6	
2000	2000	38.2	42.5	35.2	39.5	29.2	33.5
2500		36.1		33.1		27.1	
3150		32.4		29.4		23.4	
4000	4000	29.4	34.9	26.4	31.9	20.4	25.9
5000		26.6		23.6		17.6	
6300		24.4		21.4		15.4	
8000	8000	22.3	27.4	19.3	24.4	13.3	18.4
10000		20.2		17.2		11.2	
dB(A)		52.0		49.0		43.0	