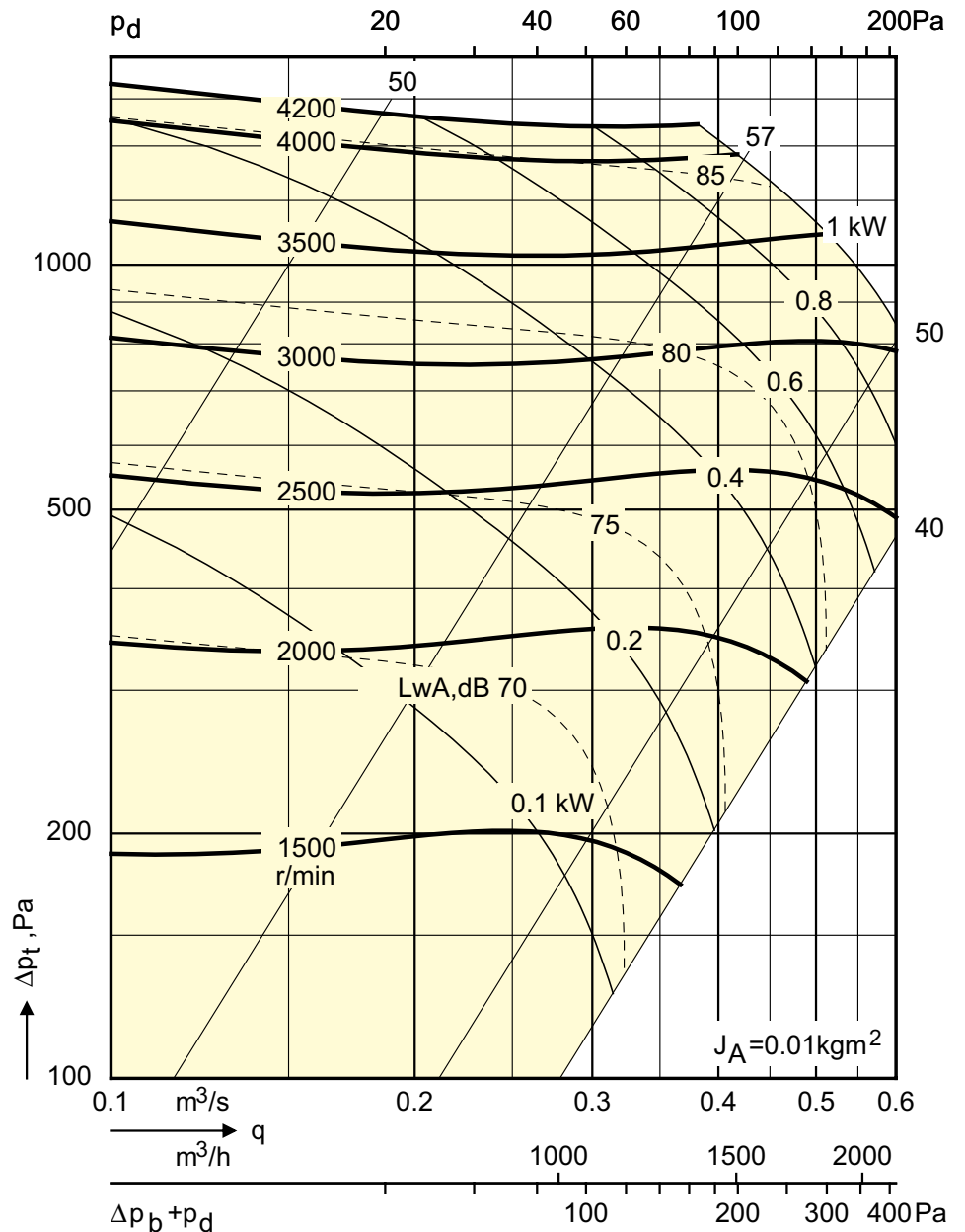
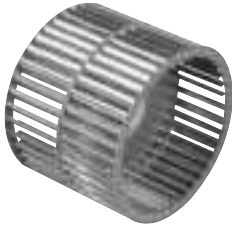


## Fan charts – acoustic data – GXLF-5-014

**Belt-driven, double-inlet,  
forward-curved blades**

Impeller diameter: 140 mm



### Acoustic Data

The total A-weighted sound power level to the outlet duct,  $L_{WA}$ , can be read from the fan diagram. Use the following formula to determine the sound power level in different octave bands:

$$L_{w_{okt}} = L_{WA} + K_{ok}$$

where  $K_{ok}$  can be read from the table below:

Sound path	Speed range r/min	Correction K <sub>ok</sub> , dB								L <sub>Wt</sub> –L <sub>WA</sub>
		Octave band, mit-frequency, Hz								
		63	125	250	500	1000	2000	4000	8000	
To the outlet duct	0 – 800	4	-2	-3	-5	-4	-8	-10	-15	6.7
	801 – 1800	3	-3	-3	-4	-5	-7	-10	-15	6.1
	1801 – 4200	2	-3	-4	-5	-6	-6	-9	-14	5.4
To the surroundings from a free-inlet fan	0 – 800	-1	0	-1	-2	-2	-6	-9	-15	4.3
	801 – 1800	-3	-2	-1	-1	-2	-6	-8	-15	3.5
	1801 – 4200	-5	-3	-2	-3	-2	-4	-8	-12	2.7