

The drag coefficient for the flat plate was found to increase slightly with velocity in a close to linear fashion over the range from 0–40 m s⁻¹, with an average value of about 1.05. The effect of the sound field was to increase the drag force by about 10% at 10 m s⁻¹ and 122 dB sound pressure level, with the percentage change decreasing at higher velocities and sound pressure levels. As with the time-averaged heat transfer results, sound frequency generally had little effect except at velocities below 20 m s⁻¹ for a frequency of 400 Hz.

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