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Product Name :

Linear Air Track Blower

Product Code :

SLE/PHY/233



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Description :

Linear Air Track Blower (Product Code: SLE/PHY/233) is an electronically controlled air supply unit used to feed a steady flow of air to a linear air track in school and college mechanics laboratories. Its 700W motor runs on 220-240V 50Hz and delivers a constant volume and pressure through a flexible hose with a 30 mm internal diameter, helping experiments give more accurate results. It is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

Specifications

Parameter	Detail
Control	Electronically controlled
Motor	220-240V 50Hz, 700W
Air delivery	Constant volume and pressure
Hose	Flexible hose for connection to the Linear Air Track
Hose internal diameter	30 mm
Recommended for	Linear Air Track
Designed for	Laboratory use
Product code	SLE/PHY/233
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Linear Air Track Blower Used For?

The blower is the air source that makes an air track work. Once the hose is attached to the track's inlet and the unit is switched on, air escapes through the small holes along the track and the gliders float on a thin cushion, so friction almost disappears. Students can then study Newton's laws, collisions and the conservation of momentum with results that are much closer to theory than on a normal runway.

Because the unit keeps the volume and pressure of air constant, the gliders ride at a steady height throughout each run, which makes repeated timings consistent. Check that the hose is pushed fully onto the track inlet, stand the blower where its airflow and vibration will not disturb the track, and switch it on before placing gliders. We act as a physics instruments supplier in India for schools that already own, or are buying, an air track.

What to Specify When Ordering

- Your mains supply; the motor is rated 220-240V 50Hz, so tell us if your site differs.
- The air track the blower will feed, so we can check the 30 mm hose suits its inlet.
- The number of blowers needed (usually one per track in use at the same time).
- Whether light gates or a timer should be quoted for glider experiments.

Man

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