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Product Name : Turbojet Trainer	**Product Code :** LBNY-0005-1650004

Description :

A pump transfers fuel from the fuel tank to spray through a special nozzle into thecombustion chamber. A high-energy spark ignites the air and fuel mixture thatflows to radial flow turbine, then a variable area propelling nozzle. A self-contained, fully instrumented, educational singleshaft gas turbine. Powered by kerosene, the experimental abilities of thishigh-quality apparatus enable comprehensive practical investigations into theprinciples, and performance of single-shaft gas turbines. Air passes intoan air box, into a compressor, then into the combustion chamber. The exhaust gases then discharge to a suitable exhaust system. The combustion chambergives excellent combustion, low pressure loss and good flame stability over awide range of conditions. It is a steel framethat holds a gas generator, combustion chamber, oil and fuel tanks, pumps,ancillaries and guards. Above these is an instrumentation and control panelwith schematic diagram. The clearly labelled front panel with mimic diagramincludes the instrument displays, controls and warning lights. For protection of the equipment and user, it shutsdown the turbine if the user makes an error. Digital indicators show shaftspeed, pressures, temperatures and fuel flow. Analogue indicators show fuellevel, fuel pressure, oil temperature, oil pressure and hours run. A fuel flow control valve on the instrumentation andcontrol panel regulates the speed. This design reduces the possibility of overspeed. The equipment has an oiling system including filters and water-cooledoil. Starting is semi-automatic and fully interlocked, controlled by a startupand shut down logic system.

Technical Specification :

Nett dimensions andweight: 1350 mm x 1700 mm x 750 mm and 260 kg (with no fuel or oil)
Packed dimensions and weight: 3.6 m3 and 450 kg.

Laboratory Instrument India