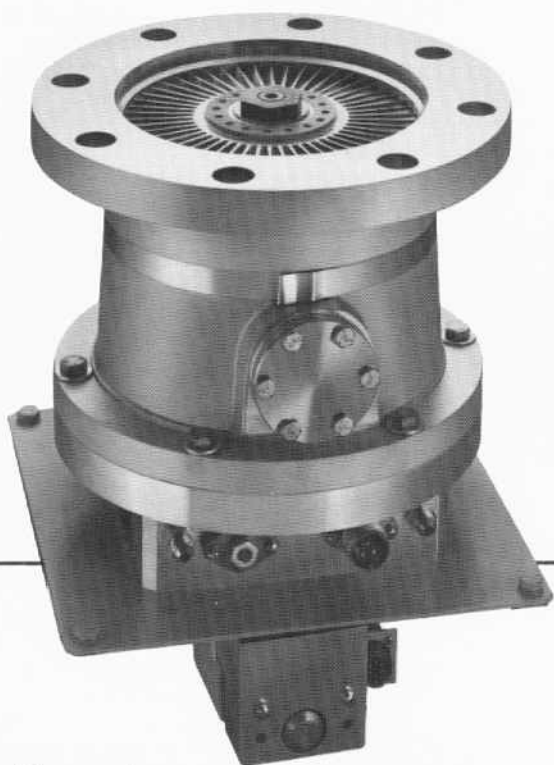
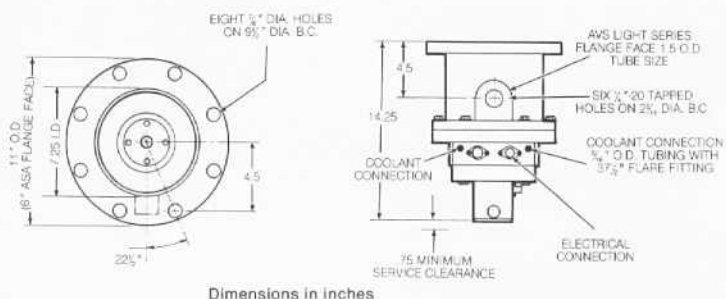


3133/3133D



Pump Dimensions



Model 3133 The model 3133 is a high capacity 6" vertical turbomolecular vacuum pump with a pumping speed of 1500 l/s. This compact model incorporates the exclusive Sargent-Welch blade design that provides up to three times the normal pumping speed for this size of pump.

The model 3133 is very easily serviced and replacement of bearings is carried out without the need to re-balance the rotor. In addition, the integral oil pump includes a flow sensor and oil can be easily added dur-

ing operation.

As in the case of all Sargent-Welch turbomolecular pumps, the model 3133 provides high pumping speed and a very clean, noncontaminating vacuum with no back-streaming.

Major applications for the model 3133 turbo pump covers a broad vacuum range, such as particle accelerators, semiconductor production, space simulation, thin film coating, sputtering, E-beam and X-ray lithography.



Model 3133D The model 3133D pumping package consists of the model 3133 pump and power supply together with a model 8851 direct drive forepump mounted on a frame with rack mounting space for gauges, etc. An accessory refrigerator (3132P) is available if required as an alternative to water cooling. The model 8851 forepump incorporates an automatic isolation valve at the inlet to protect the vacuum system in the event of power loss or similar failure.

Model 3133 Power Supply

The solid state power supply for the model 3133 is a 0.85 kW, 840 Hz unit. Meter displays indicate the frequency and current and a series of lights show the pump and power supply status. The power supply is designed to maintain the rotor speed as the gas load changes. The electrical requirements are 115V, 50/60 Hz single phase. A unit for 230V operation is also available.



Pumping Speed Curves

