

Quantity one

Vacuum pump with a free air displacement of 102 cubic meters per hour at 960 rpm pump speed. The pump shall be a compound rotary piston pump utilizing two pumping chambers in parallel, backed by a third pumping chamber in series capable of producing an ultimate pressure 0.2 microns as indicated by a McLeod Gauge (2×10^{-4} Torr). The pump shall be provided with standard vibramounts to greatly reduce vibration transmitted to the floor. The pump shall be provided with adjustable gas ballast valves to reduce contamination of the lubrication oil, and can be used to clean oil that has been contaminated with vapors. The gas ballast can also be cracked open to quiet the pump when operating at blank-off conditions. The pump shall be air-cooled with oil lubrication that is circulated by the vacuum generated by the pump itself and utilizing two solenoid valves to control the oil flow.

The vacuum pump shall be provided with a 3 horsepower, explosion proof (Class 1 Division 1 Group C & D), 3 phase, 460 V, 1725 rpm motor. The motor / pump shall be provided as a unit ready for operation once connected to the facility three phase power.

This pump is a direct replacement of an existing Kinney KTC-60 pump.

The pump / motor packaged unit shall be a Kinney KTC60B-M7H0B Vacuum Pump or equal.