

# V23A

 Ref: 9826.00  
 Sheet: 101  
 Date: 1 June 1999  
 Cancels: 1 Jan. 1995

## Engineering Data

<b>Bore:</b> 3"	<b>Min RPM:</b> 350	<b>Number of Belts:</b> 1
<b>Stroke:</b> 2.75"	<b>Max RPM:</b> 800	<b>Belt Section:</b> A
<b>Inlet Size:</b> 0.75" NPT	<b>Sheave OD:</b> 13.75	
<b>Discharge Size:</b> 0.75" NPT	<b>Sheave PD:</b> 13.38	

Nameplate Amp Ratings						
	<i>115-1-60</i>	<i>200-3-60</i>	<i>230-1-60</i>	<i>230-3-60</i>	<i>460-3-60</i>	<i>575-3-60</i>
1.5HP	20.0	6.9	10.0	6	3.0	2.4

See Vacuum Pump Performance Chart—Sheet 120

## Bare Pump Detailed Specifications

**FRAME**—The 100% cast iron frame is designed to support the overhung crankshaft. The cylinders bolt directly to the cast iron frame. Frame is completely sealed yet allows for maximum accessibility.

**CRANKSHAFT**—A unique overhung design supported by two heavy-duty ball bearings with replaceable crankpin bushing. Entire shaft is balanced with an integral counterweight to insure smooth operation.

**CONNECTING RODS**—Solid one-piece design. These simple, easy to maintain rods can be used only with an overhung crankshaft. Crankpin bushing inside the rod is precision ground requiring no alignment.

**CYLINDERS**—These are 100% cast iron, separately cast and individually bolted to the frame in a V-type configuration. The cylinders are precision honed for low oil carryover. Radial fins on the cylinders help remove heat and ensure 360 degree cooling of the cylinders.

**PISTONS**—Precision balanced aluminium piston provides smooth operation.

**RINGS**—There are four piston rings for sealing, compression, and oil control. The two taper-faced compression rings and bevelled oil scraper ring provide quick seating. One (1) three-piece oil control rings maintains proper lubrication on cylinder wall. Precision honing used in conjunction with the ring stack up means low oil carryover.

**FLYWHEEL**—The cast iron fan type flywheel forces a cyclone air blast to provide cooling for the deep finned cylinder. The flywheel is balanced to keep vibration to a minimum.

**LUBRICATION**—Splash lubrication of running parts is simple and reliable. Lubrication dippers are integral with connecting rods and cannot come loose.

**VALVES**—Reliable, time proven finger valves are quick acting and are made from premium grade stainless steel. Valve components are easily removable for maintenance.

**LOW OIL LEVEL SWITCH**—Low oil level switch prevents the unit from operating when oil level is low.