

## Section 5: TROUBLESHOOTING

### 5.10 TROUBLESHOOTING TABLE

Poor Pumping Speed	Poor Vacuum	Loud Unit	Possible Cause	Corrective Action
X	X	X	Damaged valves	Replace flapper valves
X	X	X	Debris in valves	Remove debris and check for valve damage
X	X	X	Damaged gasket	Replace gasket
X	X	X	Loose head screw	Tighten head screw
X	X	X	Loose fitting	Tighten fitting

## Section 6: SPECIFICATION

### 6.10 SPECIFICATION CHART

Welch Model	2522	2534
Free Air Displacement		
CFM (L/min.) @60Hz	0.76 (22)	1.20 (34)
M3 (L/min.) @50Hz	0.66 (19)	1.0 (28)
Maximum Continuous Pressure		
PSIG (Pascal)	100	50
Maximum Vacuum		
In.Hg. (Torr)	25.6 (110)	26.2 (950)
Motor Horsepower		
Horsepower	1/8	1/7
Tubing needed		
I.D. in Inches	1/4	1/4
Weight lbs	11.7	11.7
(Kg.)	(5.3)	(5.3)
	Catalog Number	
Wired for 115V, 60Hz, 1Ph with North American 115V Plug	2522B-01	2534B-01
Wired for 220V, 50Hz, 1Ph with European (Schuko) Plug	2522C-02	-
Wired for 230V, 60Hz, 1Ph with Cont. Euro 230V Plug	2522C-10	-

NOTE: \*230V 60Hz Models have a maximum continuous pressure of 50PSIG (5x10<sup>5</sup> Pascal)  
 \*\*50Hz models are provided with CE agency mark.