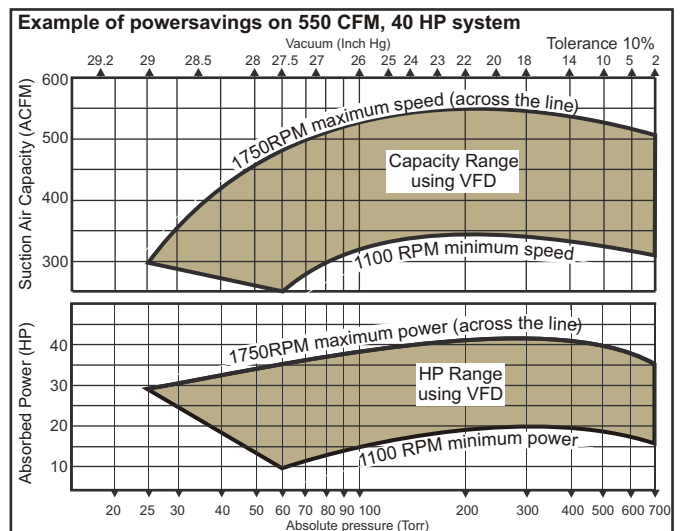


Vmax^{VFD} oil-sealed vacuum pump systems are liquid ring vacuum pump systems using oil as the seal-liquid. The systems (in capacities ranging from 150-4500 CFM) operate with a **Variable Frequency Drive** which reduces the speed of the vacuum pump when demand for vacuum decreases, **resulting in substantial savings.**

- ✓ **Control of Power Consumption** (up to a 50 percent turndown in power, resulting in substantial savings)
- ✓ **Control of Inrush** (soft starting reduces wear on system components and eliminates inrush during startup)
- ✓ **Control of Material Damage and Waste** (reduced slippage results in less material damage and waste)
- ✓ **Control of Cost and Return on Investment** (guaranteed quick payback of new system investment)
- ✓ Still the only system on the market with a **full 3-year warranty!**



Performance Characteristics

Nominal capacity: 150-4400CFM
 Motor: 10-250HP
 Maximum vacuum: 29"Hg
Performance based on atmospheric pressure equal to 29.92"Hg

Capacity Table

| System model | Installed HP | Minimum HP | Maximum RPM | Minimum RPM (at 27.5"Hg maximum) | at 15" Hg | | at 20" Hg | | at 25" Hg | |
|--------------|--------------|------------|-------------|----------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| | | | | | Minimum capacity CFM | Maximum capacity CFM | Minimum capacity CFM | Maximum capacity CFM | Minimum capacity CFM | Maximum capacity CFM |
| VMX0153KA1 | 10 | 6 | 1750 | 1150 | 95 | 145 | 95 | 145 | 92 | 140 |
| VMX0203KA1 | 15 | 8 | 1750 | 1150 | 125 | 190 | 131 | 200 | 131 | 200 |
| VMX0303KA1 | 20 | 10 | 1750 | 1100 | 179 | 285 | 185 | 295 | 176 | 280 |
| VMX0453KA1 | 25 | 13 | 1750 | 1100 | 264 | 400 | 267 | 400 | 248 | 375 |
| VMX0553KA1 | 40 | 20 | 1750 | 1100 | 340 | 540 | 346 | 550 | 339 | 540 |
| VMX0653KA1 | 40 | 25 | 960 | 750 | 516 | 660 | 516 | 660 | 477 | 610 |
| VMX0753KA1 | 50 | 25 | 1200 | 750 | 481 | 770 | 491 | 785 | 456 | 730 |
| VMX1103KA1 | 75 | 50 | 1100 | 750 | 689 | 1010 | 743 | 1090 | 307 | 1010 |
| VMX1203KA1 | 100 | 50 | 1200 | 750 | 713 | 1140 | 747 | 1195 | 738 | 1180 |

For larger capacity systems contact factory.

Information contained in this document is for reference only. Subject to change without notice.