
Subject: Using Pi Align

Posted by [Wayne Parham](#) on Sat, 29 Sep 2001 00:27:01 GMT

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Please read the "readme.txt" file contained in the distribution archive. This will tell you the proper format for the variables used by PiAlign. There are a few things that are commonly mistaken:1. All dimensions use Imperial units, i.e. inches, feet, etc.2. Not all are the same unit in the PiAlign program. V_e is in cubic feet but port dimensions are in inches and sq. inches. Cabinet dimensions are also in inches. The formulas on the Pi Alignment Theory whitepaper all "expect" units to be normalized to the same units, but the program uses those that are most common for the given term.3. $V_{ad}=V_{as}$, $F_{rd}=F_{ts}$ and $Q_d=1/Q_{ts}$. Note that Q_d is not the same as Q_{ts} . I am certain that one of these is the reason why your results were incorrect.
