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## **adjustable Vi is not always beneficial and horsepower is not discrete threshold**

the benefits of adjustable Vi is largely an economy of scale. Because a slide valve is generally required, this create new clearances and losses. For small diameter rotor screws this is generally going to be worse than for larger. This seems to be understood because there is already a 150HP limit.

However, HP is not discrete... it varies based on application and choice of refrigerant. a displacement threshold would be more beneficial. I would propose 800 m<sup>3</sup>/hr based on the products that my company produces.

please let me know if i can add more to this discussion. And i apologize for submitting this at the last second.

Best Regards,  
Joe Sanchez  
VP Eng - BITZER US