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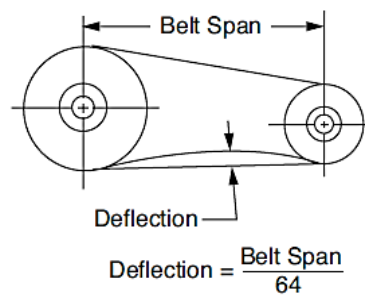
Tucson
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V Belt service & Maintenance

Belt Tension

Exhaust fans generally have greater belt tension than evaporative coolers and air handlers. Generally set your belt tension on exhaust fans at 1/64" per inch of distance between the motor and fan shaft. On your average up blast exhaust fan this is around a 1 foot. So adjust the belt for 3/8" of belt deflection.



Belt Alignment

Many a technician assumes the pulley alignment is correct and does not check it when replacing a belt. Proper pulley alignment is important in belt and bearing service life.



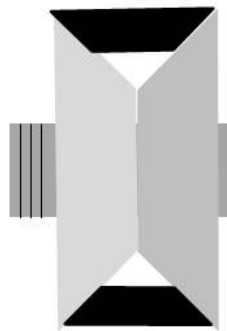
Adjustable Sheave Setting

Many a service technician believe that the adjustable sheave pulley is how you adjust V Belt tension and has not been taught that it is how you adjust motor amp draw.

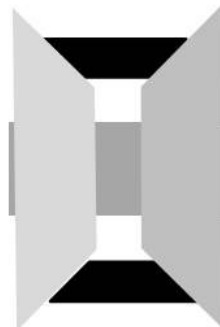


Once you have the pulleys aligned, you should verify proper rotation and motor amp draw. If the motor and pulley are properly matched, your motor will pull less than rated amp draw and your airflow will be at design.

Never set the pulley in so much that the motor amp draw exceeds nameplate rating.



Pulley closed in
Max Airflow
High Amp Draw



Pulley opened up
Less Airflow
Lower Amp Draw

For belt tension, use the hinged motor base for adjustment, once the sheave has been set.

