

## **FläktWoods**

*Changing Varofoil to fixed pitch:*

*Lock out fan unit and follow all safety procedures.*

*Using drawing # 176426 as a reference, proceed as follows:*

*Remove all controls (inside and out) from fan casing.*

*Remove control straps right in front of impeller.*

*Remove # 32 rotary union, (15/16 open end wrench).*

*Match mark nose cone for hole location.*

*Remove #33 nose cone, (#34 screws).*

*Remove # 29 diaphragm housing, #21 nuts).*

*Remove #26 screws, #27 ring, and #26 diaphragm.*

*Remove #23 screws, and remove #22 reaction plate.*

*Remove #19 screw, turn #16 actuator counterclockwise until rollers are between fins and remove # 16 actuator.*

*Remove # 36 screw, and # 35 washer, and remove impeller from shaft.*

*Set impeller on table, and continue with dis-assembly.*

*Remove # 12 nut, #37 washer, #9 blade carrier assembly, and wing bearing with grease cup.*

*Remove #10 blade, and remove any nylon shims under blade root, #13- #14-#15.*

*Clean blade port hole with clean rag.*

*Put blade back into hub port, without any shims.*

*Add blade clamp (not on drawing), supplied by factory, and snug tight, with nut. Use Loc tight # 243 on this nut. Clamp and nut size will vary by fan size. Consult factory for torque values.*

*Set pitch angle of blades, and torque all blade nuts.*

*Install impeller (with key), back onto shaft, and secure with #36 and #35, (torque values on drawing by size).*

*Install # 33 nose cone, with #34 screws.*

*Run fan and check balance and amps.*

*These motors may not be rated for VFD drives. Customer takes full responsibility for any damage.*

*Model #'s for each fan will be required in order to be more specific with part #'s for items not shown on the drawing. They will vary by fan size*