

# **TURBOTWIN™** **T50-P** **Series** **Turbine** **Air Starters**

**The Lightest, Most  
Compact Starters  
for Diesel Engines  
Up to 70 Liters**



*TurboTwin turbine blade designs work together to maximize air throughput for added starting power.*

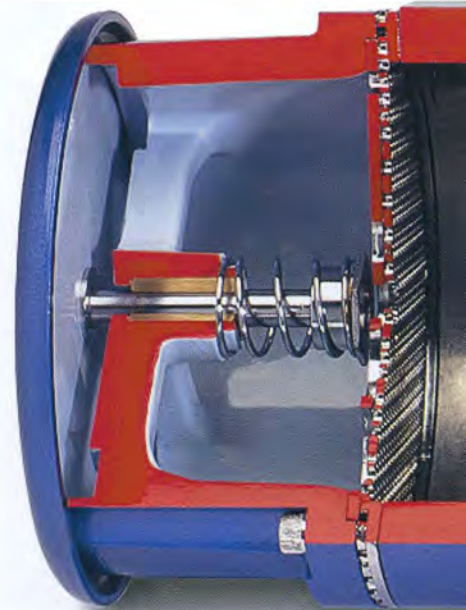
**T**he T-50 Turbine Air Starter delivers 40 hp of cranking power for starting medium-size gas and diesel engines. At only 34 lbs. (15.4 kg) and 5.76 in. (146 mm) in diameter, its size-to-power ratio sets the industry standard. Refinements to the TurboTwin design have reduced noise levels below standards previously thought to be unattainable in air starters. It's easily the quietest starter in its class. Additional design refinements have further reduced the number of contact parts which will yield even longer life and provide maintenance-free operation.

**40 hp At Only 34 lbs.  
It's A Powerhouse!**

T50 is truly a breakthrough design, delivering unparalleled power for engines up to 70 liters. That's over 25% more torque and power than competitive models per unit volume of air—all in a light-weight, compact package.

## **The World's Most Contaminated Air Has No Effect On T50**

The T50's turbine motor has no rubbing vanes to stick, swell, or wear out—dirty, wet air has no effect on internal parts. Contaminated air that clogs, damages, and shuts down other starters is flushed through TurboTwin's open



air path design. The T50's efficiency means you use less air and engines start quicker...even in bitter cold or sweltering heat.

### **No Compromise On Any TurboTwin Part**

T50 uses only high-quality, high-strength steel and aluminum alloys machined to

the industry's tightest tolerances. There's no cutting corners, and definitely no plastic parts as used in other turbine air starters.

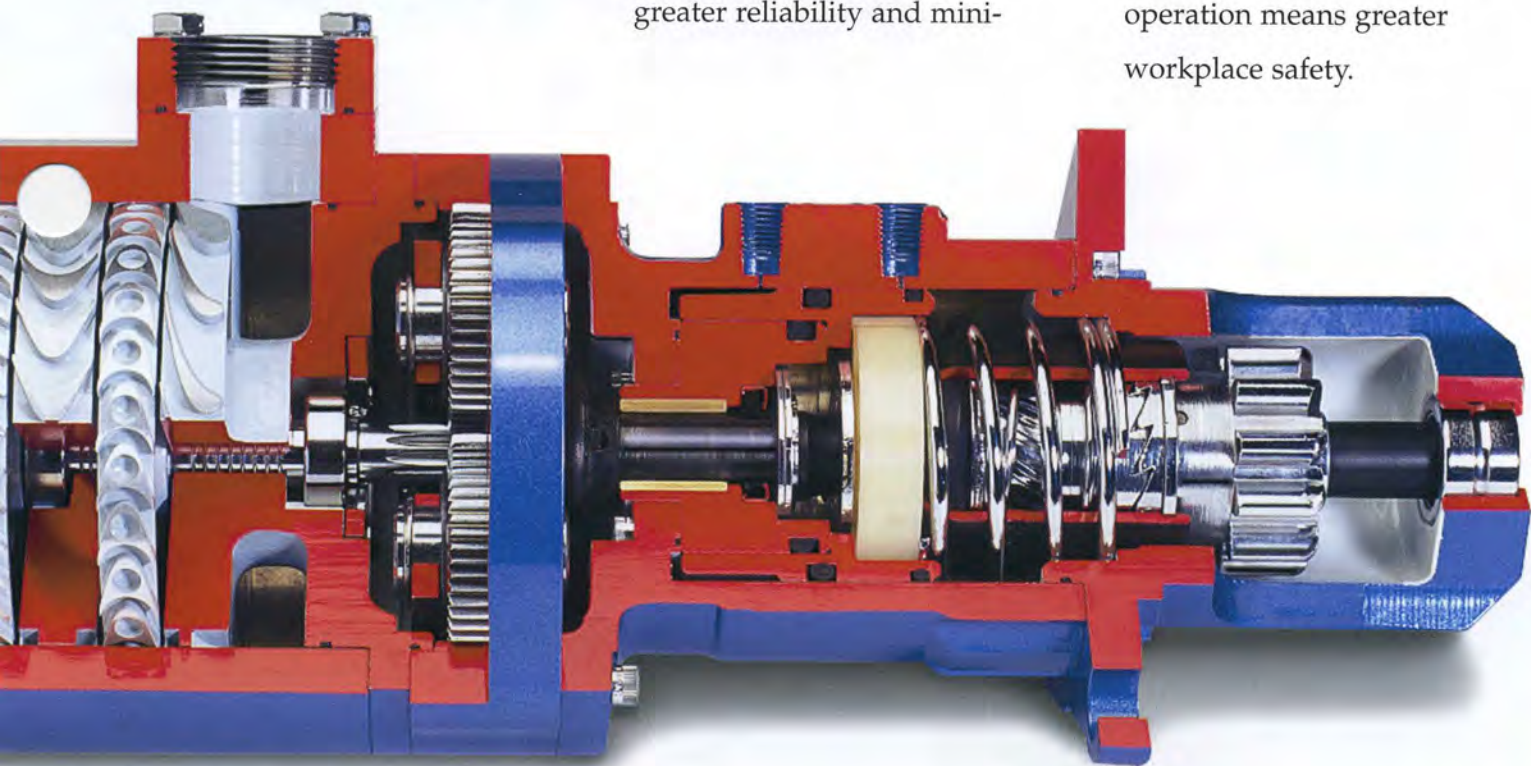
### **Fewer Moving Parts Means Fewer Repairs**

T50 features half the moving parts found on other turbine air starters. Its design yields greater reliability and mini-

mizes part count. This means lower operating costs.

### **No Oil Means Easier EPA Compliance And A More Reliable Starter**

The T50 gearbox is grease-packed for life; there is no need to add starter lubrication and there are no fugitive exhaust emissions. Cleaner operation means greater workplace safety.



*T50 Turbine Air Motor has large air passages...won't clog or break*

*Clean Exhaust...no oily exhaust mist means emissions compliance*

*Aerodynamic Speed Control...prevents starter over-speed*

*Vaneless Air Motor requires no lubrication of the air/gas supply*

*Grease-Packed Gearbox Design...no oil sump to check, change, or fill*

*Pre-engaged Pinion Gear...ideal for multiple starter applications*

*All **TURBOTWIN** Engine Air Starters feature grease-packed gears and bearings, and aerodynamic speed control, to provide long, trouble-free operation.*

*Lightweight, low-inertia, rotating elements provide "soft engagement"... extending the life of both ring and pinion gears*