

# It Only Takes 34 Pounds...



## To Start This...

  
TECH DEVELOPMENT INC.  
[www.tdiairstarters.com](http://www.tdiairstarters.com)



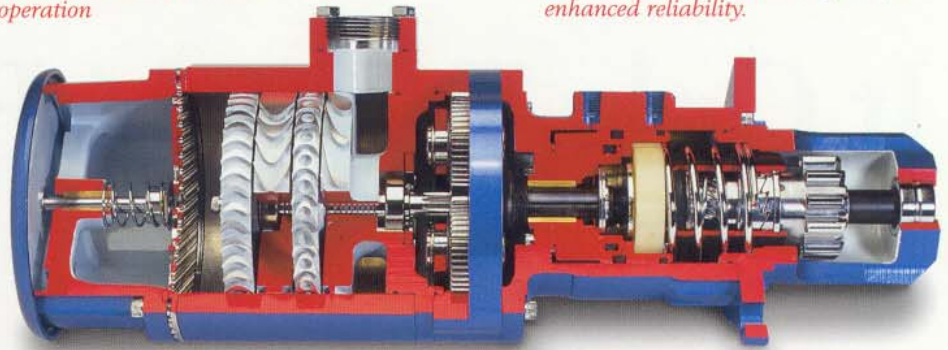
# TURBOTWIN™

## Model T50-P

### Engine Air Starters

*TDI's unique Twin Turbine motor provides reliable maintenance-free operation*

*Design refinements have further reduced the number of normal wear parts for enhanced reliability.*



*No oil or lubrication required.*

*T50 features only one contact seal.*

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

- Lightest weight, only 34 lbs. (15.4 kg)
- Quiet. Significantly less noise than any starter in its class
- Aluminum and steel construction. No plastic parts.
- Grease-packed gears and bearings for maintenance-free operation
- Tolerant to air supply contamination
- Aerodynamic speed control preventing over-speed and/or gear box burn-out-even on extended crank cycles
- More power & torque (per unit volume of air) than any other starter brand or model



T50 is available in pre-engaged (T50-P) and overhung pre-engaged (T50-Y).

The 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 5.95 in. (151mm) in diameter, its size-to-power ratio sets the industry standard. Refinements to the TURBOTWIN™ design have reduced noise levels below standards thought to be previously 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.

### PERFORMANCE CHART

| Inlet Pressure | Stall Torque | Max. Power |     | Air Consumption |      |      |     |
|----------------|--------------|------------|-----|-----------------|------|------|-----|
|                |              | (psi)      | BAR | (lb ft.)        | Nm   | (Hp) | kW  |
| 40             | 2.8          | 80         | 109 | 10.2            | 7.6  | 330  | 156 |
| 60             | 4.1          | 120        | 163 | 18              | 13.4 | 450  | 212 |
| 90             | 6.2          | 180        | 245 | 29              | 21.6 | 635  | 300 |
| 120            | 8.3          | 238        | 323 | 41              | 30.6 | 822  | 388 |

### ENGINE COMPATIBILITY

| Engine Manufacturer | Engine Model                                       |
|---------------------|--|
| Cummins             | QSK 38 45, and 60 KTA38/2300, KTA50/3067           |
| Detroit Diesel      | Series 2000, Series 4000 12V149, 16V149, 16V149TIB |
| Caterpillar         | 3508TA, 3512TA, 3516TA 3524B*                      |
| Komatsu             | SA12V170-1, SA6D170-1                              |

\*Requires two starters

**TDI**  
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