Specifications:

T100-V TURBOTWIN™
Engine Air Starters
For Pre-Engaged and Small-Space Mounting Environments

This selection chart shows basic starter capability by engine size. Note the chart shows four-stroke diesel engine size on the left and four-stroke, spark-ignited engine sizes on the right. Always consult TDI for application-specific capability.

DIMENSIONAL DATA
TDI TURBOTWIN
T112-V/T121-V
1/4" NPT Pressure Check Port
1/4" In" Port
2" NPT Outlet Port

(4) Bolts for 90° Incremental Angles Relative to Inlet
1/4" NPT Pressure Check Port
Exhaust Elbow with Weld Flange (T100-28182-001) Shown

The power of T100 is now pre-engaged.
SPECIFICATIONS

**Engines:**
Starts Engines up to 300 Liters (18,000 CID)

**Design Configuration:**
Pre-Engaged; Offset; Overhung

**Common Pinion Configurations:**
6/8 Pitch, 12 Tooth
3.5 Module, 15 Tooth

**Mounting:**
SAE 3 Mounting Flange

**Horsepower:**
68 hp (50.75 kW)
Cranking Power at only 150 psig (10.3 BAR)

**Weight:**
54 lbs. (23 kg)

**Rotation:**
(Facing Pinion Orientation)
Righthand/clockwise and Lefthand/counter clockwise

**Air/Gas Supply:**
Compressed Air or Natural Gas

**Gear Ratio:**
9.25:1

**Lubrication:**
Grease-Packed For Life, None Required

**Custom:**
Other models and configurations available. Consult your local TDI distributor.

**Operating Pressure Range:**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>NOZZLES</th>
<th>PSI</th>
<th>BAR</th>
</tr>
</thead>
<tbody>
<tr>
<td>T112-V</td>
<td>12 (standard)</td>
<td>40 – 150</td>
<td>2.7 – 10.3</td>
</tr>
<tr>
<td>T121-V</td>
<td>21 (low pressure)</td>
<td>40 – 90</td>
<td>2.7 – 6.2</td>
</tr>
</tbody>
</table>

Nine and 15 nozzles available for special applications. Consult your TDI distributor for best nozzle configuration.

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T100-V's grease-packed for life feature eliminates wear, reduces maintenance, and delivers a significantly longer starting life.

Pressure check ports on both starter inlet and exhaust allow easy trouble-shooting of compressed starting air/gas supply valves, filters, piping and regulators. (Shown here TURBOTWIN Model T100-V and TURBOVALVE.)

The Power of T100-V for a Variety of Small-Space, Pre-Engaged Applications

The TURBOTWIN Model T100-V starter's offset and overhung pinion design provides a "bolt-on fit" to most large-displacement industrial engines. It installs in minutes when replacing other turbine-type starters. (Shown here on a Cooper Superior Series 2408G Spark-Ignited Gas Engine.)

A multiple-starter application on a Clark TCV-12 lowered air consumption by 40% over competitive turbine starters originally applied.