

Specifications:

T100-V

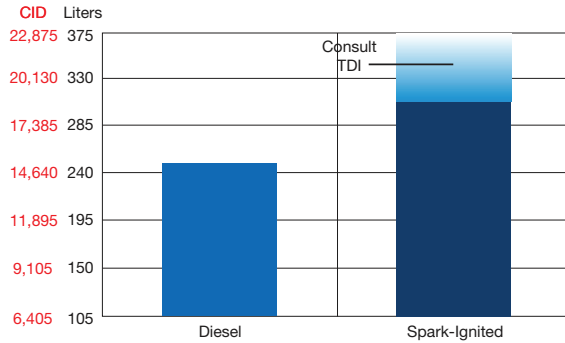
TURBOTWIN™

Engine Air Starters

For Pre-Engaged and Small-Space Mounting Environments



Engine Displacement Chart For T100-VVE/DP Series Air Starters

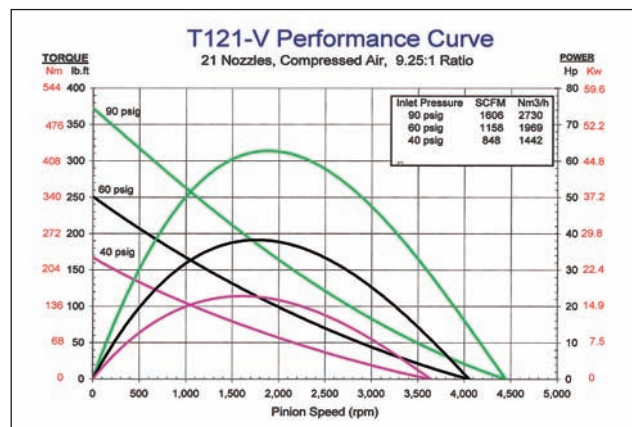
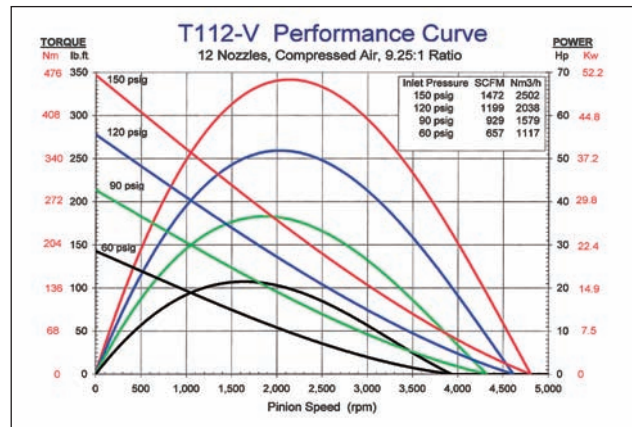
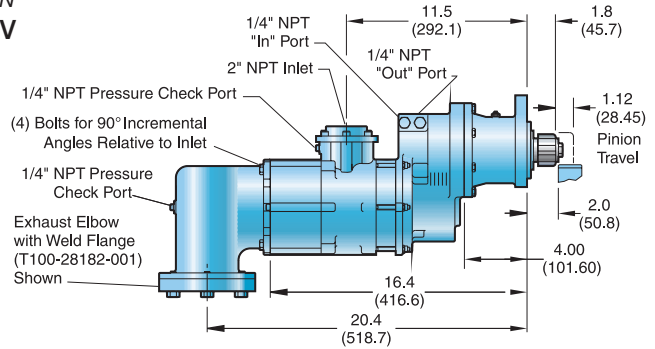


Consult your TDI distributor and the TDI Selection Guide before choosing a TDI TURBOTWIN starter for any application.

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



The power of T100 in a pre-engaged package.

SPECIFICATIONS

| | | | |
|--------------------------------------|--|------------------------|---|
| Engines: | Starts Engines up to 300 Liters (18,000 CID) | Rotation: | (Facing Pinion Orientation) Righthand/clockwise and Lefthand/counter clockwise |
| Design Configuration: | Pre-Engaged; Offset; Overhung | Air/Gas Supply: | Compressed Air or Natural Gas |
| Common Pinion Configurations: | 6/8 Pitch, 12 Tooth 3.5 Module, 15 Tooth 6/8 Pitch, 15 Tooth | Lubrication: | Grease-Packed For Life, None Required |
| Mounting: | SAE 3 Mounting Flange | Gear Ratio: | 9.25:1 |
| Horsepower (on Methane): | 68 hp (50.75 kW) Cranking Power at only 150 psig (10.3 BAR) | Custom: | Other models and configurations available. Consult your local TDI distributor. |
| Weight: | 54 lbs. (23 kg) | | |

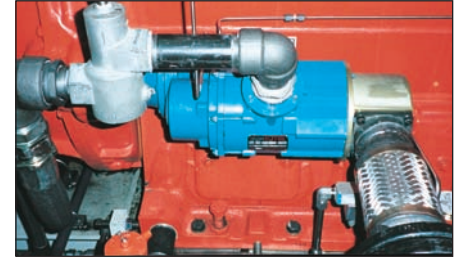
Operating Pressure Range:

| MODEL | NOZZLES | PSI | BAR |
|--------|-------------------|----------|------------|
| T112-V | 12 (standard) | 40 – 150 | 2.7 – 10.3 |
| T121-V | 21 (low pressure) | 40 – 90 | 2.7 – 6.2 |

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

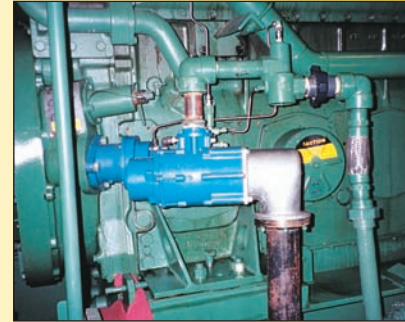
FOR ENGINE COMPATIBILITY AND STARTER REPLACEMENT INFORMATION, SEE TABLE ON PAGE 31 OR CONSULT YOUR TDI DISTRIBUTOR.

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

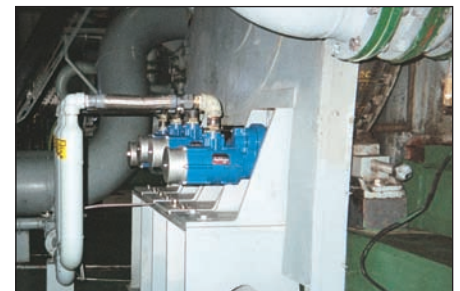


Pressure check ports on both starter inlet and exhaust allow easy troubleshooting of compressed starting air/gas supply valves, filters, piping, and regulators. (Shown here TurboTwin Model T100-V and TurboValve.)

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.