

The T20 **TURBOTWIN™**

A New Standard for Low Pressure Starting – 20psi



A New Low – 12hp @20 psi.

When you need serious starting power at low pressure, nothing delivers more performance than the new TurboTwin T20. It's the new low pressure starting champion.

Packages as Small as 6 Inches Long Delivering up to 15hp!

It's 15hp in the palm of your hands. T20 is the ultimate combination of big power at low pressure in a durable, robust package. It's high performance starting designed for reliability in the world's harshest environments.

Ideal for Underground Mining Applications.

The all steel exterior construction of the T20 coupled with its small footprint and low pressure capability make it perfect for starting engines up to 6 liters displacement.

Great for Low Pressure Gas Applications

Low pressure, dirty, or wet gas is no problem for the T20. The T20 sets the new standard for reliable performance in the world's most challenging applications.

Easy Upgrade Replacement of Electric Starters.

TDI designers did everything possible to help end users tired of electric and vane-type starters to upgrade to turbine technology.

Compare specs, size, air requirements, footprints, and exhaust options. Improving reliability and performance is seamless with T20.

Efficient Exhaust Design with Many Configurations.

Exhaust configurations are available for the many applications customers might require.

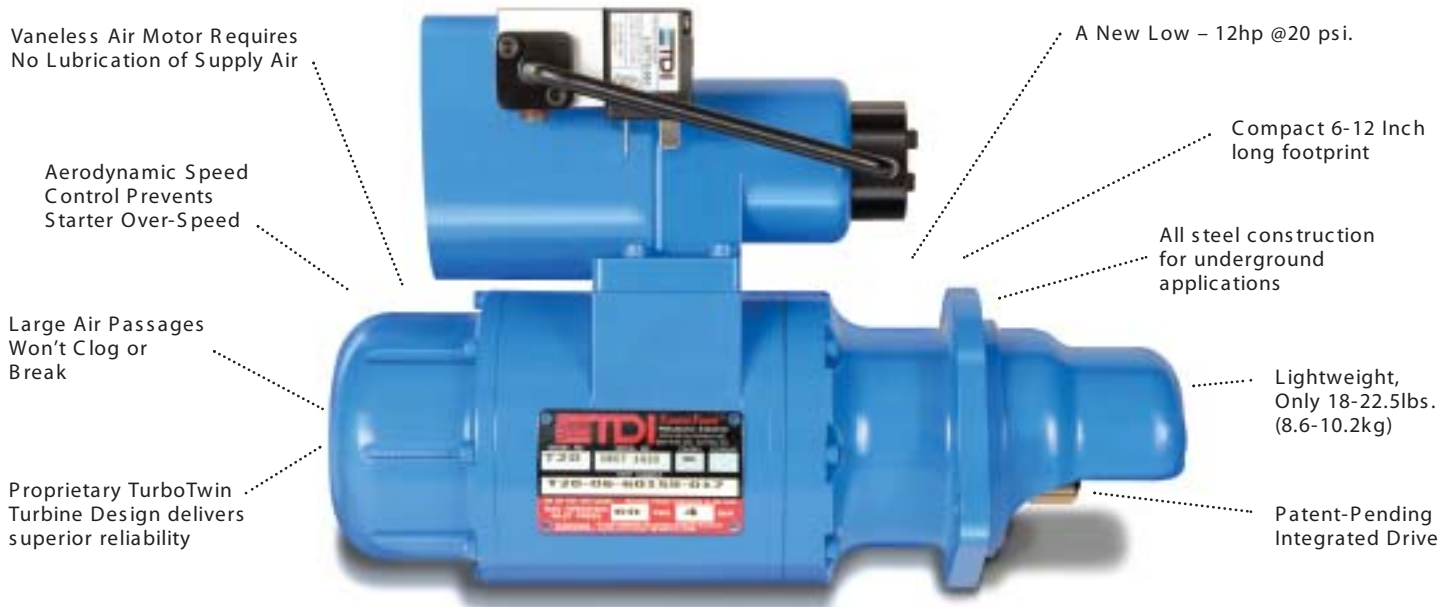
TurboTwin Field-Proven Reliability

The TurboTwin Brand owns the distinction of having the most air/gas turbine starters in the field, and the most turbine air starters operating in the world's harshest and most demanding environments. There is a reason TurboTwin is the number one choice of system integrators, packagers, and aftermarket end users – “unparalleled starting reliability.”



ANYTHING LESS THAN A
TURBOTWIN™ IS A COMPROMISE.

Extremely Compact, Extremely Low Pressure Turbine Air Starter



T20 SPECIFICATIONS

Engines: 6 Liters and Under
 John Deere 4045
 Cummins 5.9
 Caterpillar 3304 and 3306
 Ford 460
 GM 454
 Continental TM27

Design Configuration: Inertia Engaged

Pinions: Std. 8/10 Pd / 12T
 Std. 8/10 Pd / 10T
 10 Pd / 10T
 10 Pd / 11T

Mounting: SAE #2 & 3
 SAE# 4
 SAE #1 Offset for Cummins
 5.9 L engine (Contact TDI)
 Ford 460 (special)

Weight:
 SAE #4 with Inlet 18 lbs 8.2 Kg
 SAE #3 with Relay Valve 22.5 lbs. 10.2 Kg

Power: 12HP @ 20 Psig (1.4 Bar) @ 1700 rpm (12 Noz.)
 15HP @ 40 Psig (2.75 Bar) @ 2000 rpm (6 Noz.)
 15HP @ 80 Psig (5.5 Bar) @ 2250 rpm (3 Noz.)
 14HP @ 180 Psig (10.3 Bar) @ 2250 rpm (1 Noz.)

Operating Pressure Range:

Nozzles	PSIG	BAR
1	180	12.5
3	80	5.5
6	40	2.8
12	20	1.4

Rotation: RH & LH

Supply Gas: Air and Natural Gas

Lubrication: Grease Packed for Life

Gear Ratio: 130:1

Envelope Drawing: D-61159 & D-61160, & D-61161



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