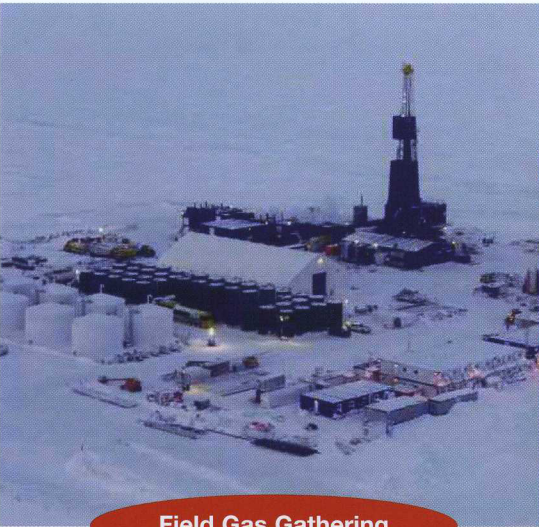
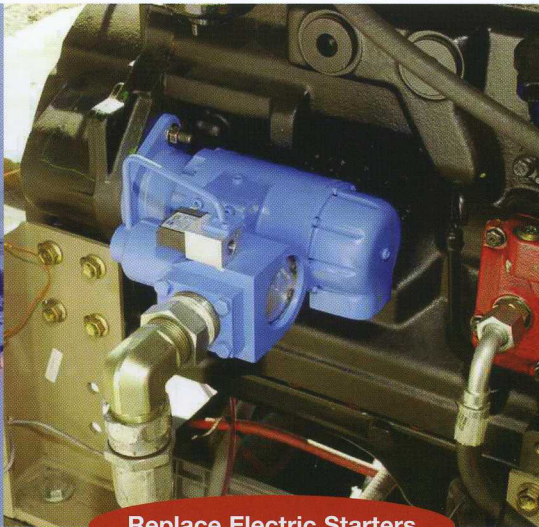


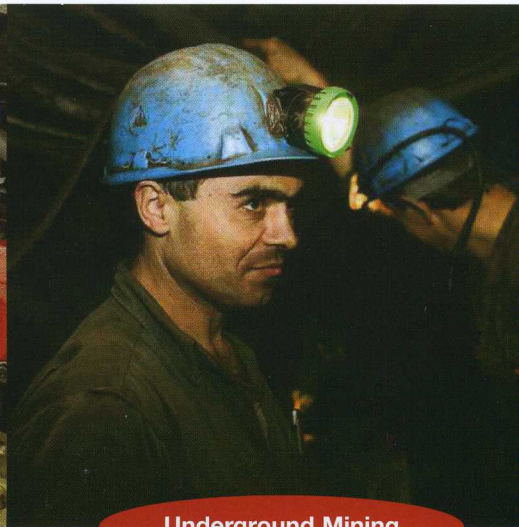
# T20 Replaces Both Air and Electric Starters At Sea, Underground, and in Low Pressure Gas Fields



Field Gas Gathering



Replace Electric Starters



Underground Mining

## Compact and Powerful in the World's Lowest Pressure Field Gas Locations

Where field gas gathering pressures are low or declining, nothing delivers the starting power of a T20. Where properly installed, the T20 produces more HP than any other starter in its class.

## Intrinsically Safe—Even in Your Lowest Pressure Field Gas Sites

Where greater safety and compliance with regulations is a must, now there is a cost effective alternative to electric starters. For much less than the cost of an air compressor, the T20 works at sites where you thought field gas pressures were too low for gas starting.

## 12 hp at 20 psi and Able to Handle Contaminated Air Supply

Low pressure power is just part of the T20 story. Contaminated, wet or, unscrubbed field gas that destroys other air starters simply passes through T20's open air path—ensuring long-life regardless of conditions.

## Superior Cold Weather Performance.

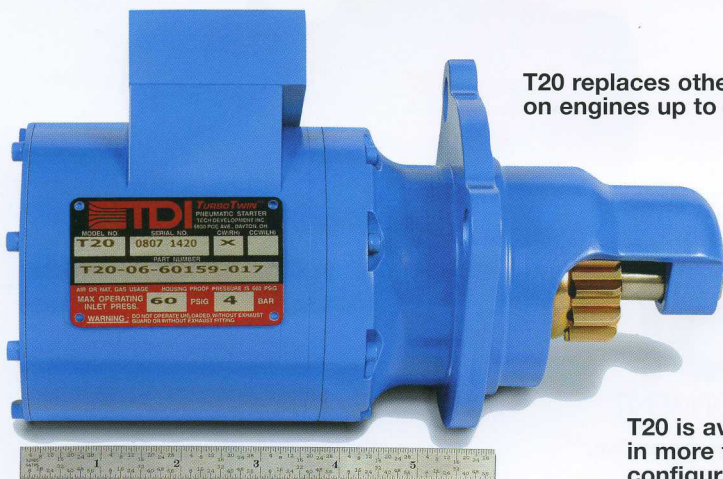
Where temperatures dip below freezing, electric starters using batteries lose almost 60% of their cranking power. Not so with a TurboTwin that delivers 98% of its rated power at well below freezing. The TurboTwin's vane-less motor will not freeze up or stick, even in cold weather.

## Recommended for Safety in Underground Mines or Anywhere.

The T20 is ideal for starting equipment in underground mines, or wherever regulations demand air starting. It's also an ideal solution for vehicle fuel gas compressors. T20 is a safer alternative to electric starters.

## 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.



T20 replaces other air starters on engines up to 8 liters.

T20 is available in more than 20 configurations.

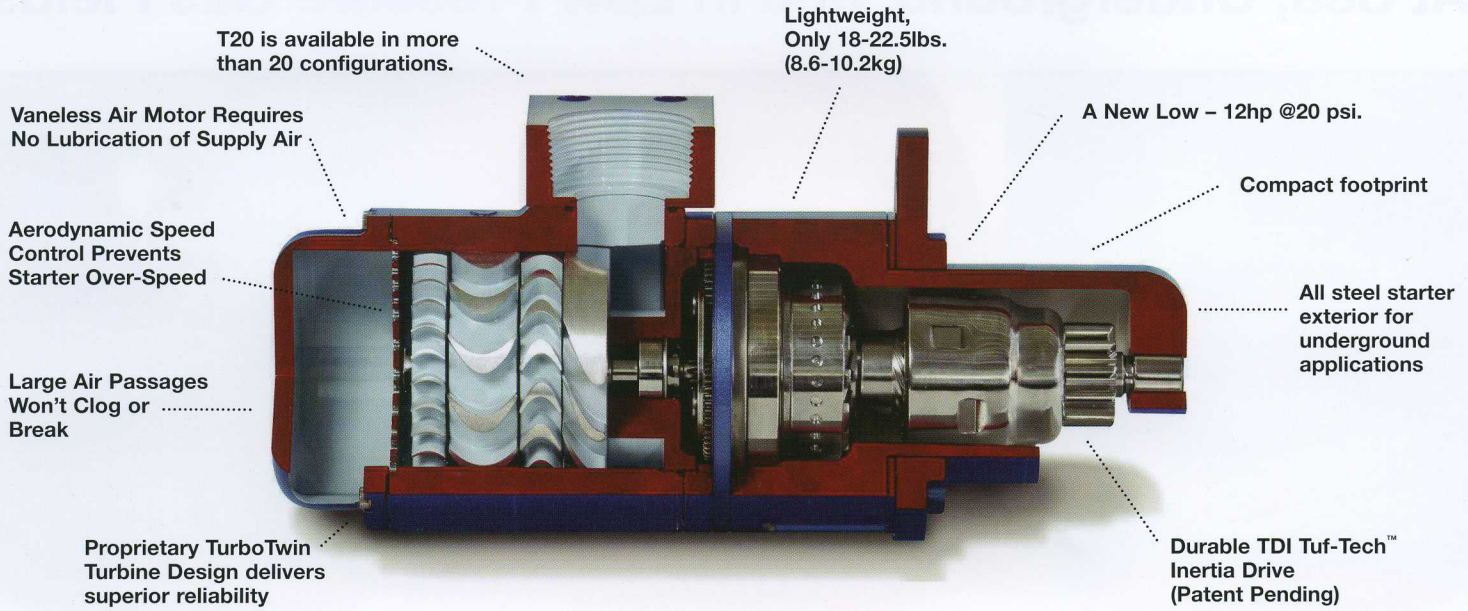


The T20 can survive at many sites, where the starter exhaust gas looks like this.

**TDI**  
TECH DEVELOPMENT

ANYTHING LESS THAN A TURBOTWIN™  
IS A COMPROMISE.

# Versatile T20 Turbine Air Starter



## T20 SPECIFICATIONS

**Engines:** Designed for Diesel Engines up to 6 liters or Gas engines up to 8 liters.

**Design Configuration:** Inertia Engaged

**Pinions:** Std. 8/10 Pd / 12T  
Std. 8/10 Pd / 10T  
10 Pd / 10T  
10 Pd / 11T  
12 Pd / 12T, 3Mod9T

**Mounting:** SAE #1, #2 & #3, 3Mod11T  
SAE #4  
Optional Special  
- SAE #1 Offset for Cummins 5.9 L Engine (Contact TDI)  
- Ford 460 (special)  
- GM 454

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

**Rotation:** RH (CW) & LH (CCW)

**Supply Gas:** Air or Natural Gas, Optional Solenoid or Relay Valve not configured for use with Natural Gas

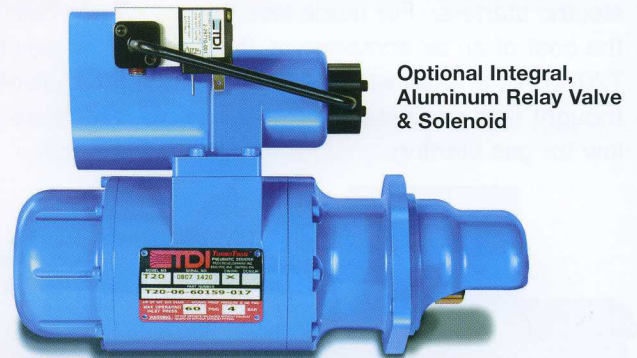
**Lubrication:** Grease Packed for Life

**Gear Ratio:** 13:1

### Power & Torque:

Nozzles	Stall Torque		Max. Power		Pressure @ Max. Power		Speed @ Max. Power Rpm	Flow Req. @ Max. Operating Pressure	
	Lb.Ft	Nm	Hp	Kw	Psig	Bar		SCFM	M3/Min
2	55	75	12	9.0	150	10.3	2,500	335	9.5
4	70	95	15	11.2	60	4.1	2,000	425	12.0
6	75	102	15	11.2	40	2.8	1,800	520	14.7
12	80	108	12	9.0	20	1.4	1,500	540	15.3

### T20 Configured with Integral Relay Valve



[www.tdi-turbotwin.com](http://www.tdi-turbotwin.com)  
tel: 937-898-9600  
fax: 937-898-8431



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