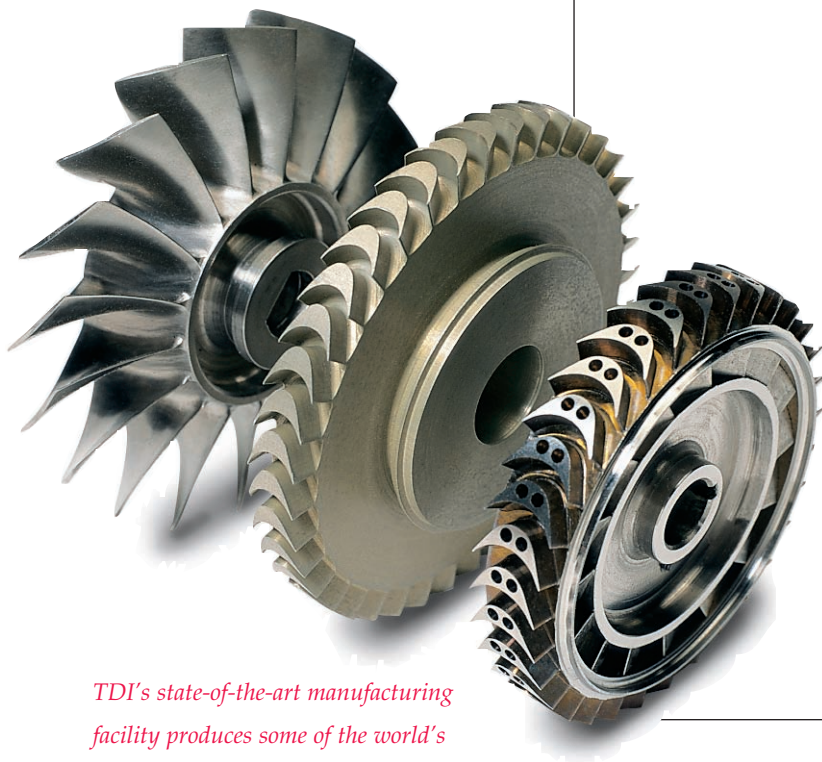


Specifications:

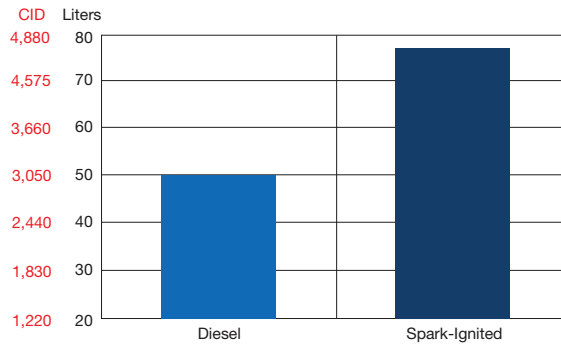
T100-F TURBOTWIN™ Engine Air Starters

An Economical
Configuration of
T100 for Medium-
Range Engines
from 20–50 Liters



TDI's state-of-the-art manufacturing facility produces some of the world's most sophisticated turbine/compressor designs.

Engine Displacement Chart For T100-F Series Air Starters

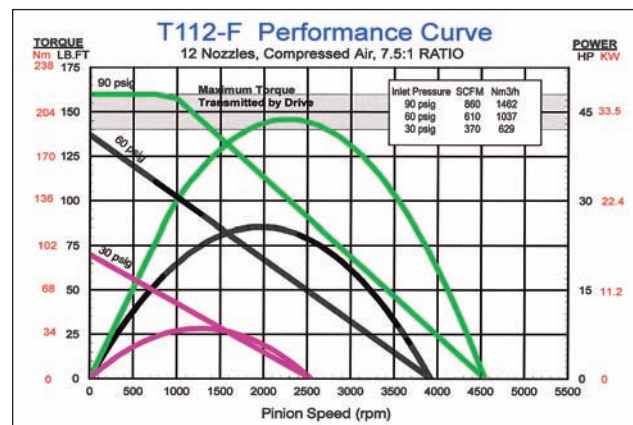
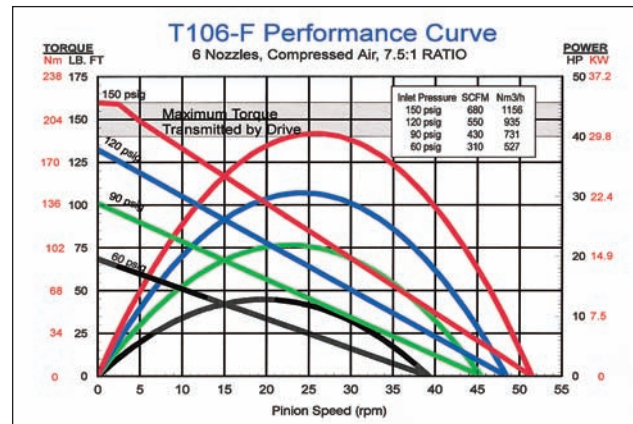
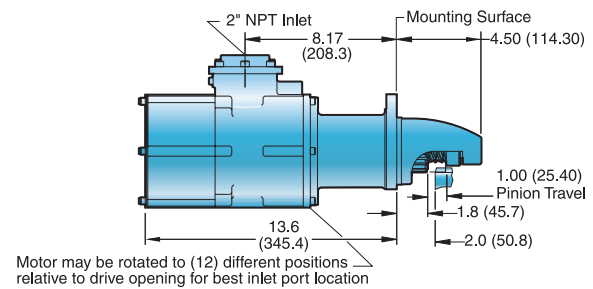


Consult your TDI distributor and the TDI Selection Guide before choosing a TDI TurboTwin starter for any application.

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
T106-F/T112-F



SPECIFICATIONS

Engines:	Starts Engines up to 50 Liters (3000 CID)	Rotation:	(Facing Pinion Orientation) Righthand/clockwise and Lefthand/counter clockwise
Design Configuration:	Inline; Inertia-Engaged		
Common Pinion Configuration:	6/8 Pitch, 12 Tooth (2 inch pitch diameter pinion)	Air/Gas Supply:	Compressed Air or Natural Gas
Mounting:	SAE 3 Flange, Standard	Lubrication:	Grease-Packed For Life, None Required
Horsepower:		Gear Ratio:	7.5:1
T106-F:	44 hp (33 kW) Max. at 150 psig (10.3 BAR)	Custom:	Other models and configurations available. Consult your local TDI distributor.
T112-F:	44 hp (33 kW) Max. at 90 psig (6.2 BAR)		
Weight:	42 lbs. (19 kg)		

Operating Pressure Range:

MODEL	NOZZLES	PSI	BAR
T106-F	6	60 – 150	4.1 – 10.3
T112-F	12	30 – 90	2 – 6.2

For applications in the 30–90 psig (2.1–6.2 BAR) range, consult your TDI distributor for best nozzle configuration.

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



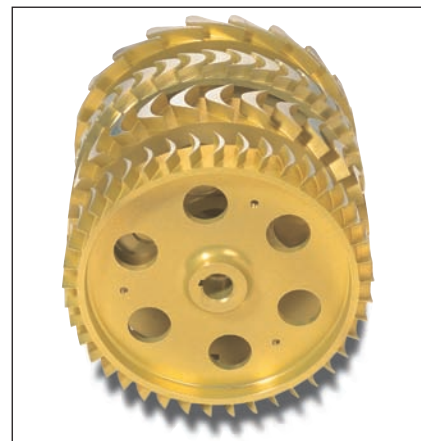
T106-F installed on Caterpillar 3412 engine.

T100-F Provides Big Cranking Power in a Small Package



T100-F installed on Detroit Diesel 16V2000 engine.

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



The large channels of TDI turbine blades create an open air path that allows contaminants to pass through rather than get lodged in the starter and cause breakdowns.