

WHY INVENTORY MULTIPLE STARTER MODELS WHEN ONE **TurboTwister** WILL COVER YOU?



Single TurboTwister T6C on Alco 12V251



T6C TurboTwister on Caterpillar 3516



T6A TurboTwister on Cummins QSK50

Easy Ordering. Easy Replacements. Smaller Inventory.



Single TurboTwister T6C on CAT 3516



Single TurboTwister T6C on GE 8V228



Dual T6As on EMD 16-645

TDI Application Solutions

- Improve Air Efficiency of Start System
- Increased Power & Torque
- Extreme Low Temperature Starts
- Lowest Pressure Turbine Starting
- Prevent Downtime in
- World's Harshesht Environments
- Extreme Humidity Environments
- Small Footprint Applications
- Integrated Start System Solutions
- Eliminate Vane Starter Breakdowns



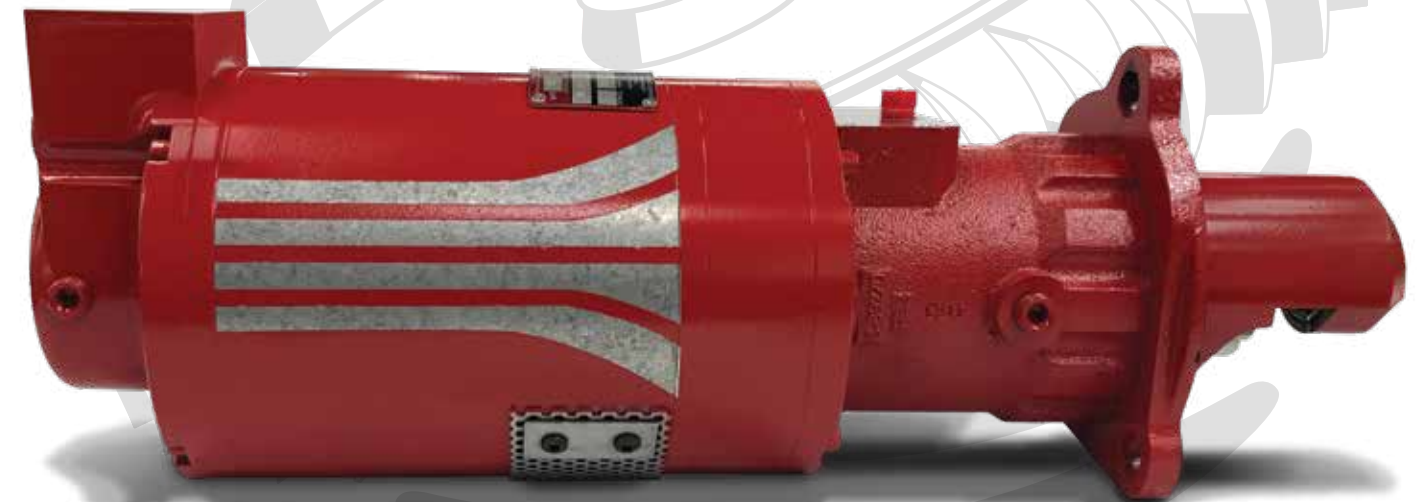
TECH DEVELOPMENT

**STARTING THE MACHINES
THAT RUN YOUR BUSINESS**

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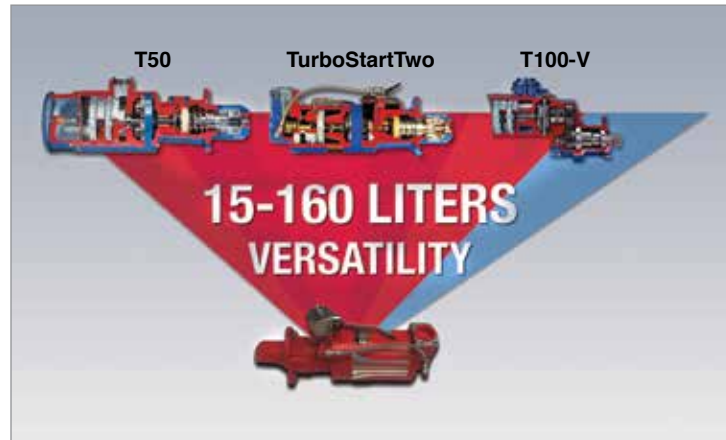
SIMPLIFY STARTER REPLACEMENT



- Starts Engines 15-160 Liters
- Carry Less Inventory
- Easier Starter Replacement
- Same TDI Performance
- Same TDI Reliability

**One Air Starter Model
for Your Entire Engine Fleet**

STANDARDIZE WITH **TurboTwister** & SIMPLIFY YOUR BUSINESS



TurboTwisters wide range of power allows it to be used on small, medium and large engines. One TurboTwister can handle the duty of three or four different starter models.

TurboTwister Starts Engines from 15-160 Liters

Engine Mfgs.	Diesel Engine Models	Dual T6 Starter Apps
Caterpillar	C9, C15, C27, C32, C175 (16-20 cylindr), 3400, 3500, 6L, 8L 3600, 6L, 8L 280	12V & 16V 3600 series, 12V, 16V C280 Series
Cummins (diesel)	19L, 38L, 50L, QSK 38, QSK92, QSK78, QSK95, HSK78 G (air)	
EMD	6L, 8L, 12V, 16V 645 series, 6L-8L, 12V 710 Series	20-645, 16V, 20V 710 Series
GE	6L, 8L 228 Series & 6L, 8L 250 Series	
Hyundai	5-7 H21/32, 8-9 H 21/32, 8-9 H 21/32, H25/33, H27-38	
MAN	16/24 & 21/31	32/44
MTU	Series 4000 (all)	
STX	L27/38	
Wärtsillä	W20 & W26	W34
Yanmar	N18, N20, EY-18, EY-22, & EY-26	

This table shows the versatility of TurboTwister and the various sized engines it will start. Standardizing with TurboTwister will allow you to reduce your inventory and simplify the replacement process.

More Reliability = Lower Cost of Ownership



A new design featuring less complexity and added durability has lowered the cost of ownership.



New Downward-Directed Exhaust & Screen

T6 TurboTwister Improves Business Operations on Compressed Air

Operations are significantly simplified because you will be inventorying just one starter for all of your engines. Easy ordering. Easy replacement. Smaller inventories. Less capital outlay. TurboTwister is a compact, powerful air starter operating on the industry's lowest air pressures.

Choose from 3 TurboTwister Configurations

T6A Starter Only
T6B Starter with Integrated Relay Valve



◀ **T6 A&B feature** a basic downward-directed exhaust & screen on the outlet.

T6C Fully Integrated Start System

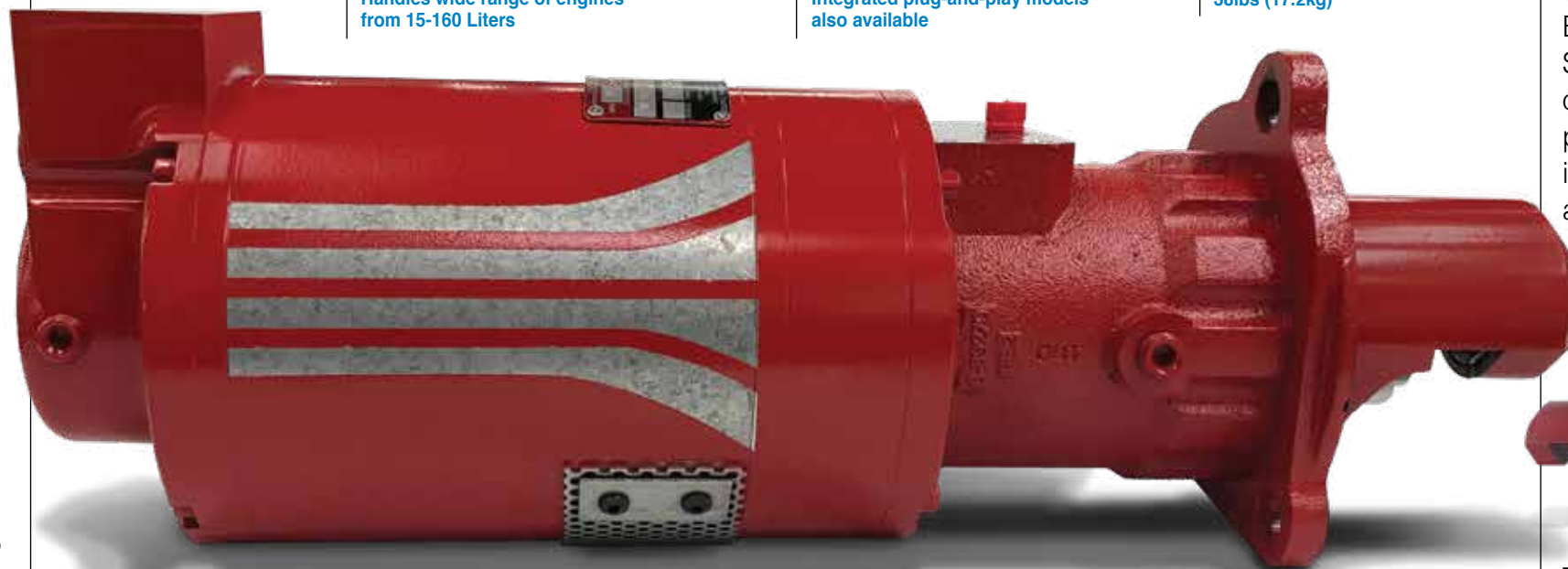


◀ **T6C is available as an integrated Starter with integrated Relay Valve & Solenoid** for a compact start system with flow matched components.

T7A Stand Alone / Gas Compliant



◀ **The T7A unit for applications using gas as supply** – The unit is a stand-alone starter with 3" NPT threaded exhaust (shown) and is available to meet necessary regulatory compliance requirements. Other exhausts options also available.



Handles wide range of engines from 15-160 Liters

Integrated plug-and-play models also available

38lbs (17.2kg)

Most power per unit of Air in compact footprint

Operating pressure 45-150 psig (3.1-10.3 BAR)

Configuration options to meet needs of your application

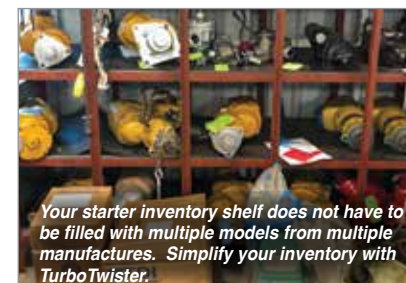


T7A for Applications Using Natural Gas Supply

Where ATEX, USCG C1D2 CSA, and other global agency requirements apply, TDI delivers. The T7 for natural gas or hazardous service, provide configurations from "basic" to "fully compliant." And with threaded and/or flanged inlet & exhaust connections, customers can install it their way. So, you get exactly what you need -- without paying for what you don't need.

Air Starter Simplicity

TurboTwister's wide operating range (from 45-150 psig/3.1-10.3 BAR) means that it can be applied across a wider range of engine sizes (15-160 liters). Instead of stocking three or four different starter models to cover your engine fleet, now you only need the TurboTwister. **Save money. Save time. Standardize your starters with TurboTwister.**



Your starter inventory shelf does not have to be filled with multiple models from multiple manufactures. Simplify your inventory with TurboTwister.



Imagine standardizing your inventory with one air starter model. Simplification is good for business.

Simplify the Starter Mess