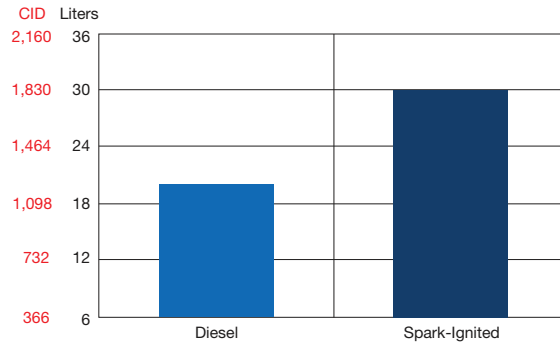


Specifications:

T30-I T30-P and T30-Y TURBOTWIN™ Engine Air Starters

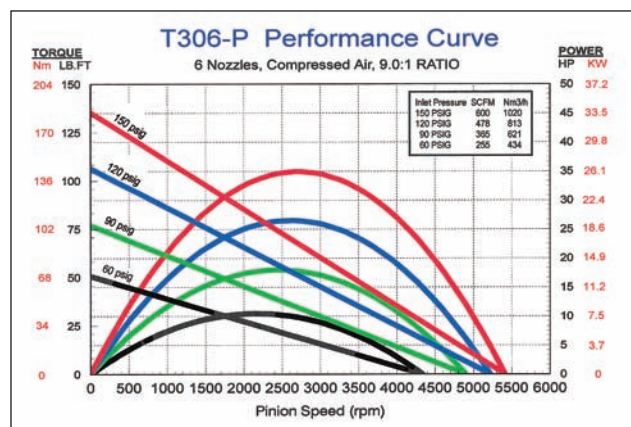
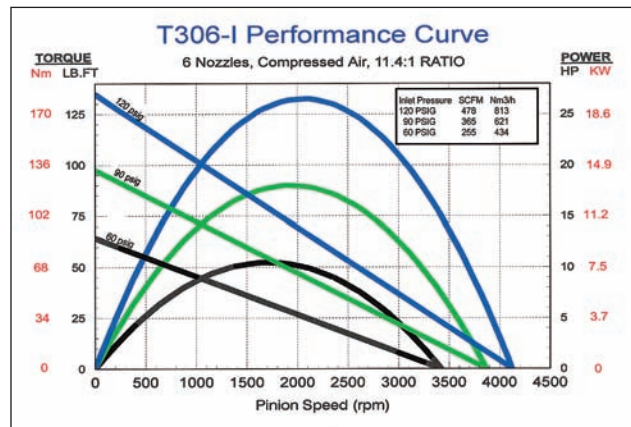
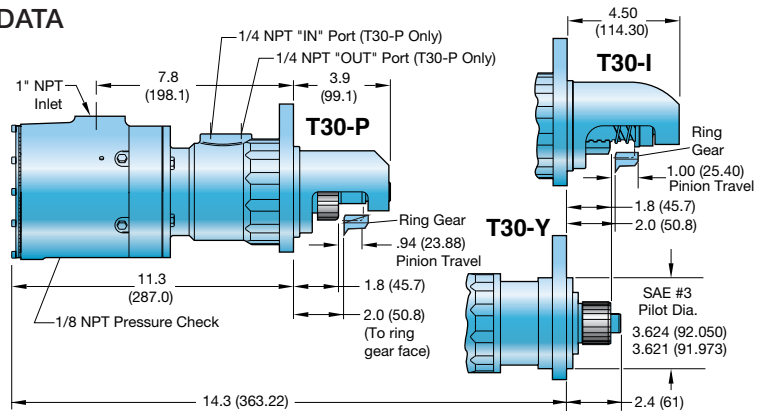
Engine Displacement Chart For T30 Series Air Starters



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 T30-P & T30-I



Lots of torque with low air flow sets T30 as the standard for cranking power in engines up to 20 liters.

SPECIFICATIONS

Engines:	Starts Engines up to 20 Liters (1200 CID)	Rotation:	(Facing Pinion Orientation) Righthand/clockwise and Lefthand/counter clockwise
Design Configuration:		Air/Gas Supply:	Compressed Air or Natural Gas
T30-I	Inertia-Engaged		
T30-P	Pre-Engaged		
T30-Y	Pre-Engaged - Overhung		
Common Pinion Configurations:	6/8 Standard, 11 Tooth 8/10 Pitch, 12 Tooth T30-Y 3 Mod, 9 Tooth T30-Y 3 Mod, 11 Tooth T30-Y 3.5 Mod, 11 Tooth	Lubrication:	Grease-Packed For Life, None Required
Mounting:	SAE 3 Flange SAE 1 Flange (for P only)	Gear Ratio:	T30-I 11:4 T30-P/Y 9:1
Horsepower:	21 hp (15.65 kW) Cranking Power at only 120 psig (8 BAR) 34 hp (25.4 kW) Max.	Custom:	Other models and configurations available. Consult your local TDI distributor.
Weight:	T30-I 29 lbs. (13.2 kg) T30-P 32 lbs. (14.5 kg) T30-Y 32 lbs. (14.5 kg)		

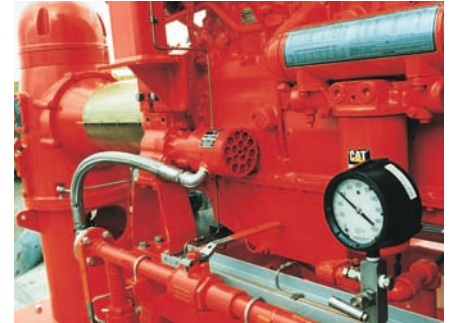
Operating Pressure Range:

MODEL	NOZZLES	PSI	BAR
T303-I	3 (for Small Engines)	150	10.3
T306-I	6 (Standard)	120	8.3
T312-I	12 (Low Pressure)	60	4.1
T303-P/Y	3 (for Small Engines)	150	10.3
T306-P/Y	6 (Standard)	150	10.3
T312-P/Y	12 (Low Pressure)	Consult TDI	Consult TDI

For applications in the 60–90 psig (4.1–6.2 BAR) range, 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.

T30's grease-packed for life feature eliminates wear, reduces maintenance, and delivers a significantly longer starting life.

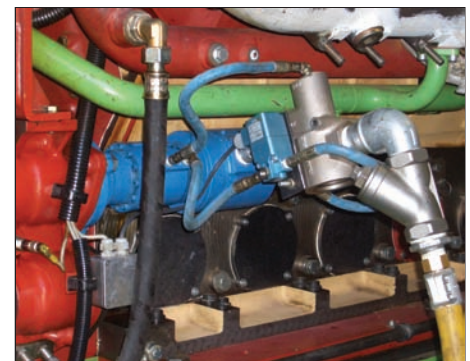


T306-I mounted on Caterpillar 3406 Engine for fire pump application

In the Oil Field or at Sea, TURBOTWIN™ Delivers Unequaled Reliability



Model T306-P on Lugger Marine Diesel Engine



T30-Y installed on GE-Jenbacher GMD 312 engine.