

Specification & Application Data

**POWERFORCE® - A Premium Brand For Power and Drive Remanufactured Detroit Diesel 2-Cycle Engines for On & Off Highway Applications:**

POWERFORCE® Detroit Diesel 2-Cycle Engines are completely remanufactured to ensure quality and performance. All parts used are genuine, or to original OEM specification.

Each engine is remanufactured in a purpose built facility, with remanufacturing resources supported by more than 60-years of experience and knowledge in remanufacturing Detroit Diesel 2-Cycle engines. POWERFORCE® is one, of only a few, sources for fully remanufactured Detroit Diesel 2-Cycle engines.

Central Power Systems & Services is renowned for in-house training on 2-cycle technology. The POWERFORCE® team has a multi-step program to ensure engines are remanufactured to original OEM specification. All engines are dynamometer tested.

The POWERFORCE® team has extensive Detroit Diesel 2-Cycle application experience to assist you.

POWERFORCE® has a fair no hassle exchange program for engine cores.



Series: PF 16V149TI

Photo depicts an engine model from this series but may not include certain options

Rated Gross BHP	85°F (29.4°C)	60°F (15.6°C)	RPM
Rated Gross BHP (kW)	1600 (1194)	N.A.	1900
Continuous BHP(kW)	N.A.		N.A.
Engine Torque lb ft (NM)	4595 (6230)		1600

**Rating Data of 2-Cycle Detroit Diesels:**

Rated Gross HP - Engine gross BHP ratings are given for inlet temperatures of 85°F (29.4°C) and 60°F (15.6°C). All ratings and RPMs, including continuous BHP ratings, are as detailed on the chart to the left.

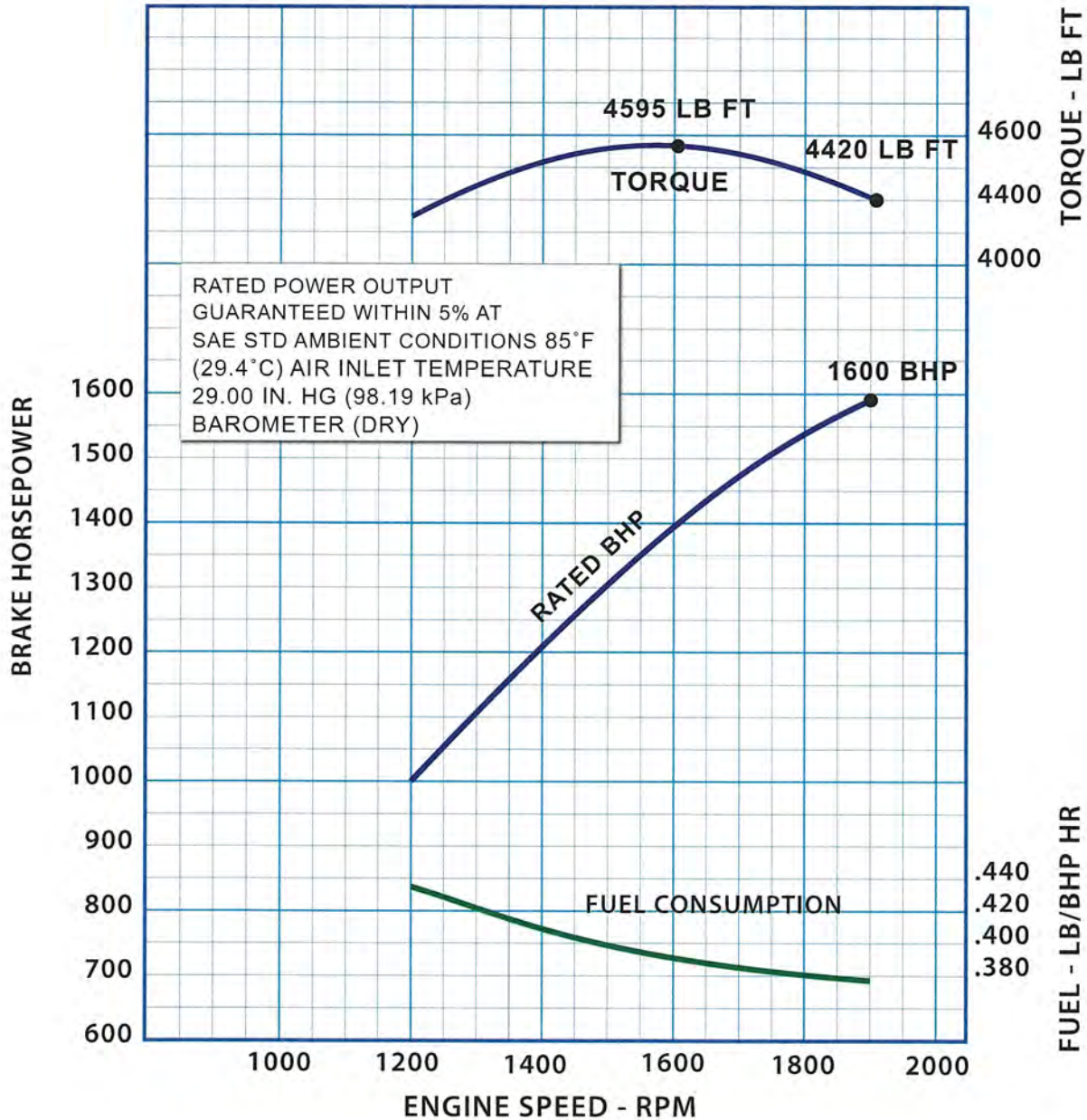
**Engine Specifications**

Original Manufacturer & Model	Detroit Diesel 16V-149TI		
Remanufacturer	POWERFORCE®		
Number of cylinders	16		
Arrangement	V		
Aspiration	Turbo-charged		
Displacement CID. (Liters)	2389 cu. ins. (39.18 L)		
Bore x Stroke inches (mm)	5.75" X 5.75" (146mm X 146mm)		
Injectors	180		
Compression Ratio	16 : 1		
Combustion Cycle	2-Cycle Detroit Diesel		
<b>History of Engine Series</b>			
Introduction	1967		
In-line engines now available	N.A.		
V engines now available	8, 12, 16 and 20 cylinder		
<b>Typical applications for Engine</b>			
Mining	Industrial		
Power Generation	Construction		
Oil & Gas			
Marine			
<b>Dimensions - inches (mm)</b>			
Length	Width	Height	Weight lbs (kg)
104" (2642)	64" (1626)	66" (1676)	10,860lbs (4926)

**Information Required On Ordering**

Engine Serial #	Required to Determine Model Number and spec build
Detroit Engine Model	Original Engine Configuration
Has engine been changed out	To ensure correct engine build
Application	The equipment it's in or what it powers
<b>Standard Accessories</b>	
Pulleys	Where Applicable
Lifting Eyes	Lifting Eye Located on Head
Oil Filter	Supplied on Engine where applicable
<b>Optional equipment available</b>	
Electric Start	24 volt Starter Motor
Engine Mounted Battery Charging	Alternator and alternator drives
Fuel Filtration	Complete Fuel Filter System
Air Cleaner	Replaceable Element or Assembly
Protection	Engine Shut Down Systems
Drive	Flywheel and/or Flex Plates
Cooling Accessories	Fan Hub and Fan Drive Assemblies
Air Compressor	Compressor and Compressor Drive
Paint	Custom Paint Available
Customer Engine Core	Can Reman Core with Accessories
Engine Heaters	When Applicable

## BASIC ENGINE PERFORMANCE MODEL: PF 16V149TI WITH 180 INJECTORS



**POWERFORCE®** Remanufactured 2 - Cycle Detroit Diesels Engines comply with applicable codes and standards

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To accurately provide PowerForce Engines and to avoid any potential charge-backs on cores or for returned product, it is imperative that all information supplied is correct and that the engine in the equipment is like for like. If the engine has ever been changed out, it should be reviewed for potential changes.



[www.powerforce.com](http://www.powerforce.com)

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