

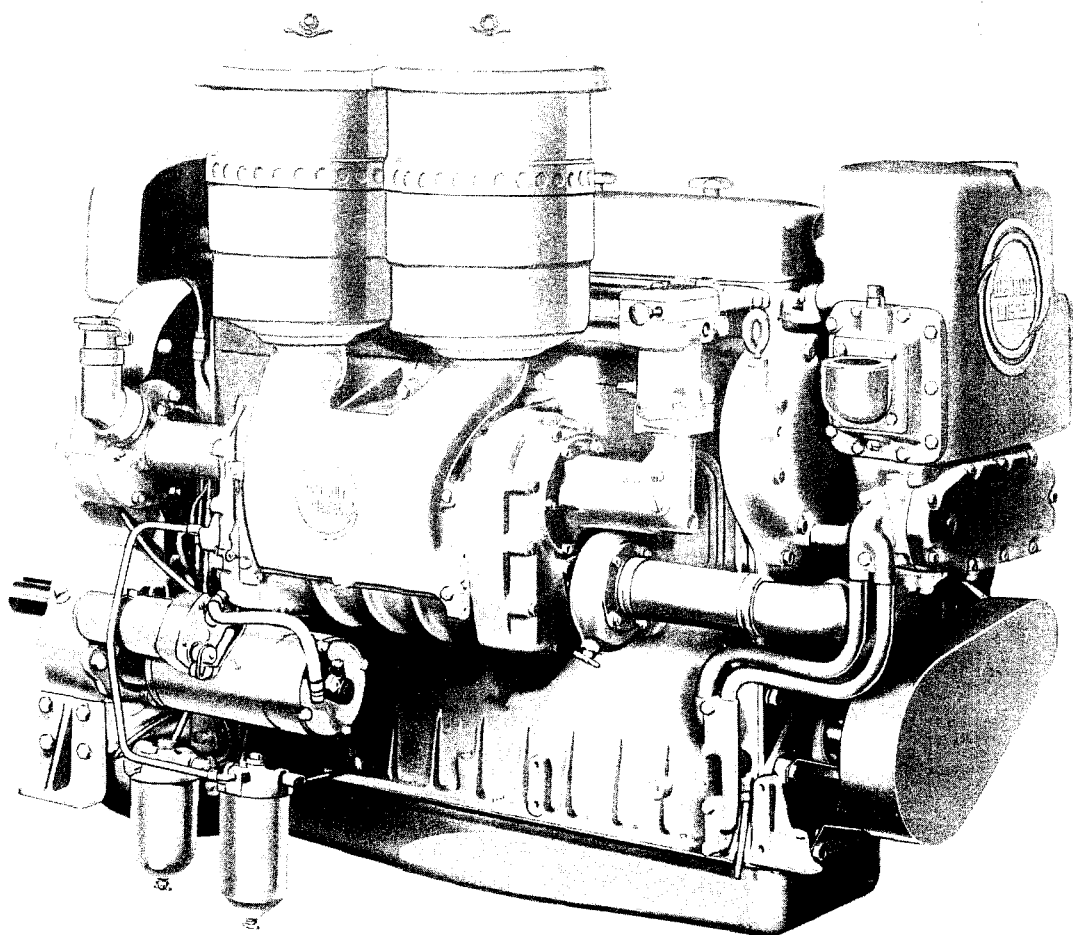
DETROIT DIESEL

HEAT
EXCHANGER
COOLED
POWER UNITS

3-71 4-71 6-71
106HP 149HP 227HP

MODEL

3-71	3061A
4-71	4061A
6-71	6061A



Model 6061A

DETROIT
DIESEL

A Power Product of General Motors



SPECIFICATIONS

	3-71	4-71	6-71
Model	3061A	4061A	6061A
Engine Type	Two Cycle	Two Cycle	Two Cycle
No. of Cylinders	3	4	6
Bore and Stroke	4¼ in. x 5 in.	4¼ in. x 5 in.	4¼ in. x 5 in.
Two Cycle Displacement (Every Downstroke a Power Stroke)	213 cu. in.	284 cu. in.	426 cu. in.
Maximum Brake Horsepower—2300 RPM	120	165	255
Rated Brake Horsepower—2100 RPM	106	149	227
Continuous Brake Horsepower—1800 RPM	75	101	154
Torque—1400 RPM	293 lb. ft.	396 lb. ft.	606 lb. ft.
Compression Ratio	17 to 1	17 to 1	17 to 1
Net Weight (Dry) with Standard Equipment.	1725 lbs.	1910 lbs.	2330 lbs.

STANDARD EQUIPMENT

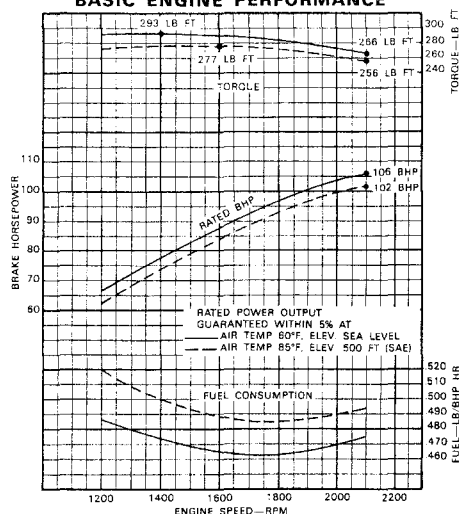
Air Inlet Housing and Air Cleaners—Direct mounted, oil bath
 Engine Mounts—Front spacer and rear bracket
 Exhaust Manifold (Water Cooled)—With companion flange
 Generator—12 volt-25 amp.
 Governor—Hydraulic—Variable Speed
 Heat Exchanger—Includes piping

Injectors—Cam operated Unit type
 Instrument Panel—Includes ammeter, oil pressure and water temperature gages and starter switch and tachometer
 Lube Oil Filter—Full flow filter
 Power Take-Off—Includes flywheel
 Starting Equipment—12 volt Sprag clutch

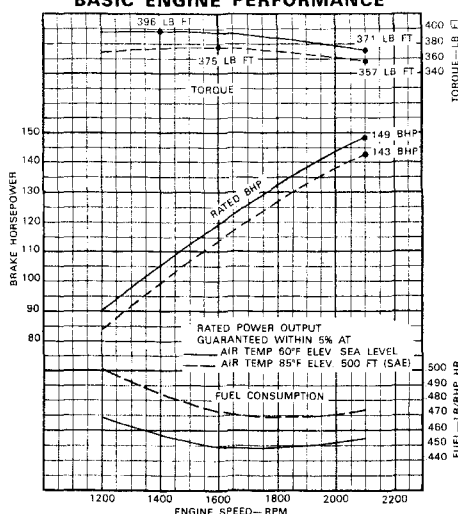
OPTIONAL AND EXTRA EQUIPMENT AVAILABLE

PERFORMANCE

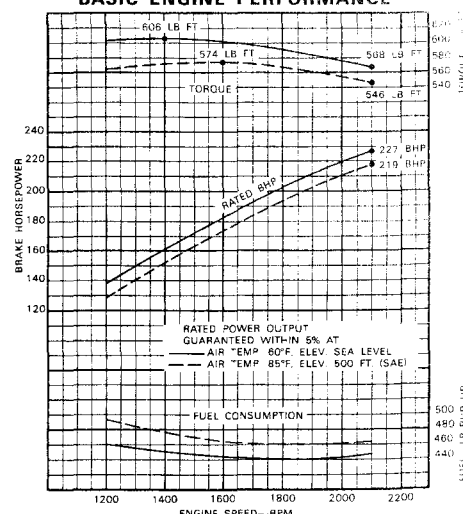
MODEL 3061A
BASIC ENGINE PERFORMANCE



MODEL 4061A
BASIC ENGINE PERFORMANCE



MODEL 6061A
BASIC ENGINE PERFORMANCE



Rating Explanation

RATED BHP is the power rating for variable speed and load applications where full power is required intermittently. Performance may be derated to improve fuel economy and extend engine life.

CONTINUOUS BHP is the power rating for applications operating under a constant load and speed for long periods of time.

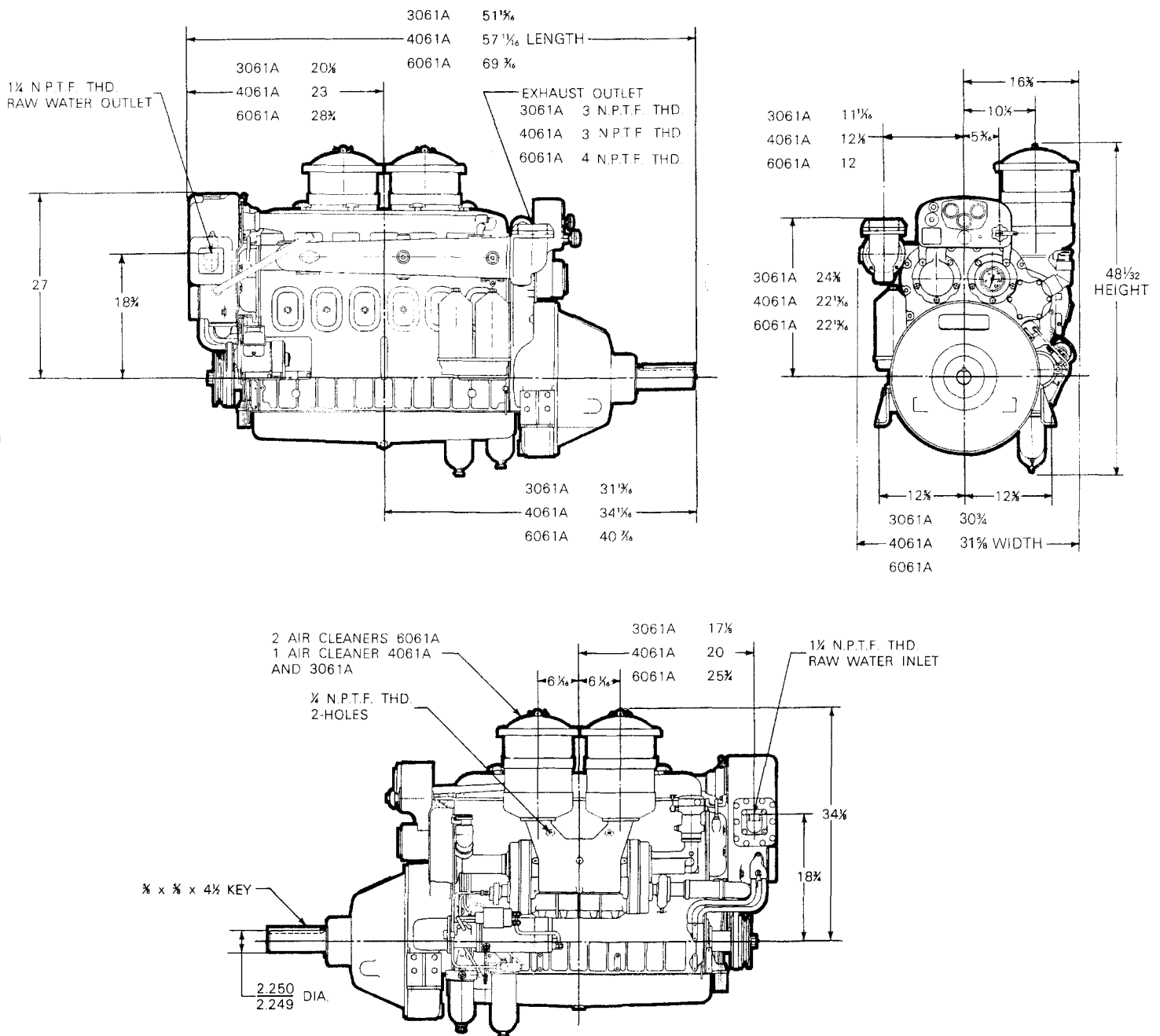
For complete engine specifications for your particular application, see your authorized Detroit Diesel representative.

FUEL CONSUMPTION CURVE shows fuel used in pounds per brake horsepower hour.

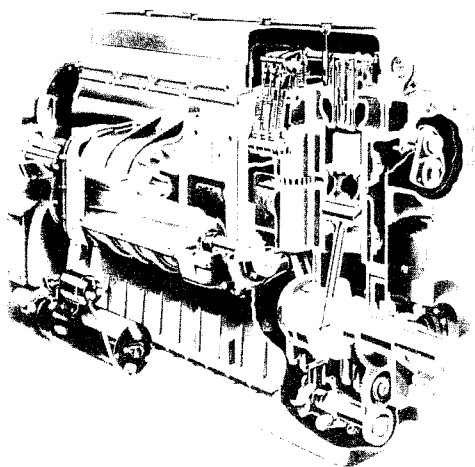
THESE RATINGS do not include power requirements for accessory and standard equipment.

PRINCIPAL DIMENSIONS

3061A
4061A
6061A



DETROIT DIESEL FAMILY OF ENGINE ADVANTAGES



Rugged, precision construction

- Laminated metal compression gaskets and synthetic rubber water and oil seals provide a longer-lived, leakproof bond between the cylinder head and block. The resulting metal-to-metal contact gives better heat transfer, preventing head cracking.
- Distortion-resistance is built into the cast iron cylinder head. Hardened valve seats are pressed into the head for proper valve seating and longer head and valve life.
- Long life, resistance to deflection and precise performance are accomplished by the drop-forged camshaft with hardened cams and journals.
- Easily replaceable, heat-treated cast iron cylinder liners provide a

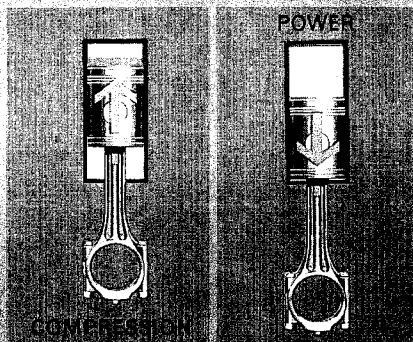
hard, scuff-resistant wearing surface, lengthening intervals between overhauls.

- The pistons are ribbed for cooling and strength and tin-plated for superior oil retention, giving longer life. Rings are of break-resistant, chrome-plated steel.

- Durability of connecting rods is provided by drop-forged steel construction. Rifle-drilled oil passages provide piston pin lubrication and spray cooling of the piston under-head.

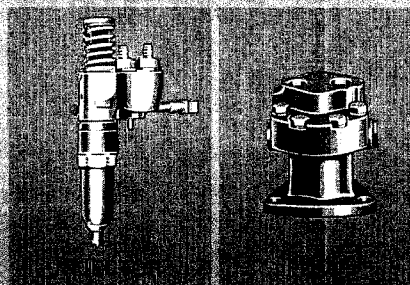
- The crankshaft is a drop-forged, induction-hardened unit giving maximum strength and better wear. It is statically and dynamically balanced for smooth operation.

Two cycle design



Each cylinder performs the four functions of intake, compression, power and exhaust in one crankshaft revolution. Every piston-down stroke is a powerstroke. This design makes Detroit Diesels lightest in weight, smallest in size and fastest in acceleration of all diesels. Work is done faster, more economically.

Unit Injector fuel system



The Unit Injector fuel system provides maximum fuel economy from fast, complete combustion and affords excellent serviceability because of its simple, efficient design. Cam-actuated Unit Injectors meter, pressurize, atomize and inject the fuel in one precise operation. A simple low-pressure transfer pump forces late fuel through the lines, filters and injectors.

Unmatched parts interchangeability

Only Detroit Diesel builds engines with maximum parts interchangeability (up to 70% within a Series). This means that parts are readily available, inventories can be held to a minimum, and parts cost less as a benefit of volume production.

World-Wide sales, parts and service

Detroit Diesels are sold, installed and serviced by a world-wide network of over 1400 distributors and dealers. They are experienced engine people who know and understand your problems and are equipped to give you complete service. Your satisfaction depends on dependable parts and reliable service if you own a Detroit Diesel engine.



DETROIT DIESEL ENGINE DIVISION

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