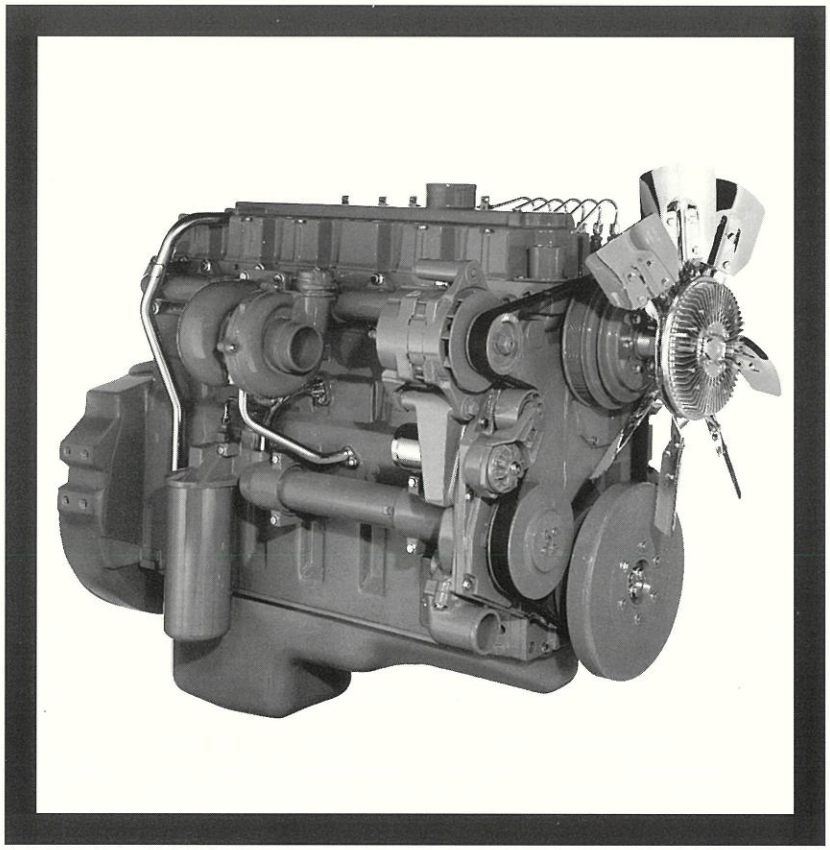
INTERNATIONAL®

DT 466

230 HP @ 2400 RPM
(50 STATE)



INTERNATIONAL® DESIGN ADVANTAGES

Premium Components

- Wet replaceable hardened cylinder sleeves
- Forged steel body hardened crankshaft with induction hardened journals
- Steel camshaft with induction hardened lobes and journals
- Roller cam followers
- Jet oil-cooled pistons with Ni-Resist top ring insert
- Keystone top and 2nd piston ring with moly-plasma faced top ring
- Replaceable intake and exhaust valve seat inserts and guides
- Positive valve rotators
- Hard faced exhaust valves
- "Tee-Pee" design connecting rods

Customer Features

- Gear driven air compressor and power steering pump
- High pressure exhaust brake capable
- Unaided cold starts to +10°F

Low Maintenance Cost

- 12,000 mile oil and filter changes
- 24,000 mile fuel filter changes
- 120,000 mile valve lash adjustment
- Single Poly-Vee Serpentine belt drive with automatic tensioner
- Molded rubber gaskets reduce service time *(no gasket surface cleaning required)*

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SPECIFICATIONS

(preliminary data)

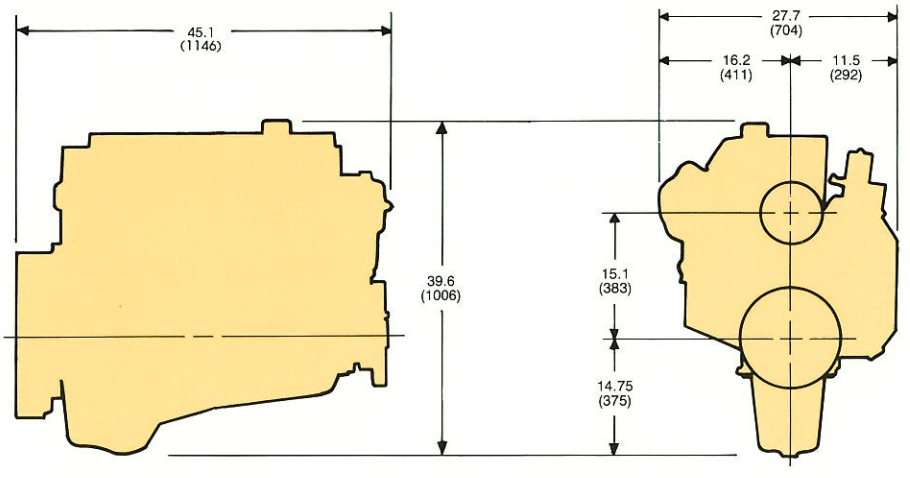
Engine Type	Diesel, 4 Cycle	
Configuration	In-line 6 Cylinder	
Displacement	466.4 cu. in.	(7.6 liters)
Bore and stroke	4.301x5.350 in.	(109.2x135.9 mm)
Compression ratio	16.5:1	
Aspiration	Turbocharged and Air-to-Air Intercooled	
Rated power @ 2400 rpm	230 bhp	(171.5 kW)
Peak torque @ 1600 rpm	660 lbf-ft	(894.8 N·m)
Rotation, facing flywheel	Counterclockwise	
Combustion system	Direct Injection	
Total engine weight (dry)	1275 lbs.	(578 kg)

ENGINEERING DATA

(preliminary data)

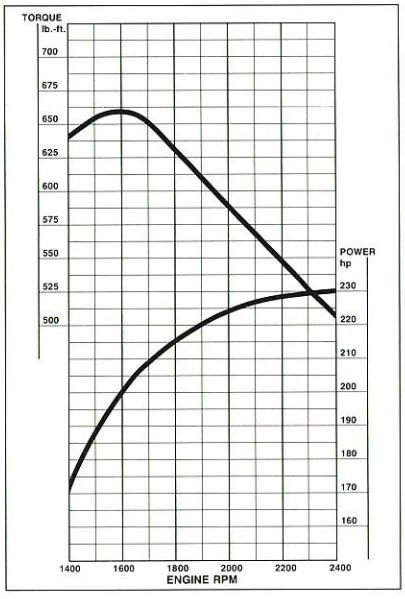
Water flow @ 2400 rpm	93 gpm	(352 liters/min)
Water pump/fan-to-crank ratio	1.5/ 1.08 or 1.2:1	
Heat rejection @ 2400 rpm (full load)		
To coolant	21.6 btu/hp-min	(.38 kW/hp-min)
To intercooler	9.4 btu/hp-min	(.16 kW/hp-min)
Air flow @ 2400 rpm	623 cfm	(17.6 m^3/min)
Exhaust gas flow @ 2400 rpm	1650 cfm	(46.7 m^3/min)
Max. Restrictions	10" H_2O initial	(2.5 kPa)
Intake system	30" H_2O final	(7.4 kPa)
Exhaust system	27" H_2O final	(6.7 kPa)
Cooling system capacity [engine only]	13.5 U.S. qts.	(12.8 liters)
Lubricating-system capacity [rear sump]	26 U.S. qts.	(24.6 liters)
[front sump]	26 U.S. qts.	(24.6 liters)

DIMENSIONS IN INCHES (MM)



STANDARD EQUIPMENT

- Governor, mechanical, all-speed type
- Turbocharger with inlet and outlet connections
- Engine-mounted, thermo-statically controlled, lube-oil cooler
- Centrifugal water pump with drive pulley
- Flywheel housing, SAE #2, with pad-type mount
- Spin-on, full-flow lube-oil filter and fuel filters
- Coolant filter/conditioner
- Oil fill and level gauge
- Engine lifting eyes



Performance curve for engine with air cleaner, less fan, and alternator and air compressor not charging, rated at SAE J1349 test conditions at 29.61 In. Hg (100kPa) and 77°F (25°C) air temperature.

No deration required up to 10,000 feet (3,048 meters) above sea level.

Version shown in photograph may include non-standard accessories.
Specifications subject to change without notice.
Lithographed in United States of America.

NAVISTAR INTERNATIONAL TRANSPORTATION CORP.
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