

Engine Pictured with Optional Equipment

### CATERPILLAR® ENGINE SPECIFICATIONS

In-Line 4 Cylinder, Four-Stroke-Cycle Diesel	
Bore — mm (in) . . . . .	84 (3.31)
Stroke — mm (in) . . . . .	100 (3.94)
Displacement — liter (cu in) . . . . .	2.2 (134)
Combustion System . . . . .	Indirect injection
Rotation (from flywheel end) . . . . .	Counterclockwise
Aspiration . . . . .	Turbocharged
Capacity for Liquids — L (U.S. qts)	
Cooling System (engine only) . . . . .	3.6 (3.8)
Lube Oil System (refill) . . . . .	10.6 (11.2)
Weight, Net Dry (approximate) —	
kg (lb) . . . . .	194 (427.7)

### BENEFITS

#### ■ HIGH PERFORMANCE

Along with turbocharged power, high torque and 24.7% torque back-up, the C2.2 engine provides class-leading power take off capability.

#### ■ RELIABLE AND DURABLE POWER

Manufactured to standards which are customer approved and recognized internationally (ISO9000) this engine will provide daily reliability and many hours of productive life before the need for overhaul should become necessary.

#### ■ CLEAN AND QUIET POWER

Meets Tier 2, Stage II emissions requirements. Tier 2 refers to EPA (U.S.) standards. Stage II refers to European standards. Retaining cost and packaging benefits, the C2.2 is also operator friendly and environmentally sensitive.

#### ■ EASY LOW-COST MAINTENANCE

Single-side servicing improves ease of maintenance and simplifies the servicing routine. Oil and filter changes are 500 hours as standard.

#### ■ WEB SITE

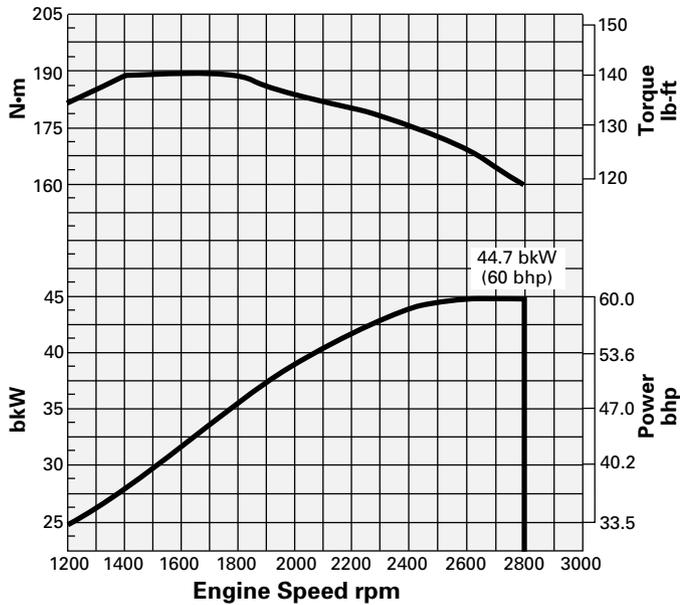
For additional information on all your power requirements, visit [www.cat.com](http://www.cat.com).

### STANDARD EQUIPMENT

- Cast iron engine block and cylinder head
- Flywheel and flywheel housing
- Fuel injection pump
- Fuel filter
- Glow plug starting aid
- Lube oil sump
- Lube oil filter
- Inlet manifold
- Cast iron exhaust manifold — side outlet
- Belt-driven coolant pump
- Starter motor 12 volt
- Alternator 12 volt 55 AMP
- Engine Shut-off Solenoid (ESOS)
- Lube oil pressure switch
- Coolant temperature switch
- Provision for PTO
- Choice of cooling fans

### PERFORMANCE DATA

Turbocharged



Gross Intermittent Power = SAE J1995

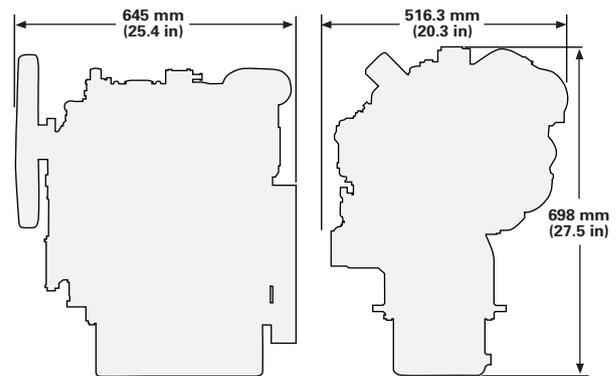
Other ratings are available.

Lower power ratings should not be read from these curves.

### DIMENSIONS

Length	mm (in)	646 (25.5)
Width	mm (in)	516 (20.3)
Height	mm (in)	698 (27.5)
Weight	kg (lb)	194 (427.7)

**Note:** Dimensions and weight depend on final specifications.



### RATING DEFINITIONS AND CONDITIONS

**Intermittent** is the horsepower and speed capability of the engine which can be used for about one hour, followed by an hour of operation at or below the continuous rating.

**Continuous** is the horsepower and speed capability of the engine which can be used without interruption or load cycling.

Additional ratings are available for specific customer requirements. Consult your Caterpillar dealer.

**Ratings** are based on SAE J1995 standard conditions of 100 kPa (29.61 in Hg) and 25° C (77° F). These ratings also apply at ISO/TR14396, standard conditions and to DIN6271 and BS5514 standard conditions of 100 kPa (29.61 in Hg), 27° C (81° F) and 30% relative humidity.

**Fuel consumption** is based on fuel oil having an LHV of 42 780 kJ/kg (18 390 Btu/lb) and weighing 845-850 g/liter (7.052-7.094 lb/U.S. gal). Power ratings are based on engine equipped with fuel, lube oil, and jacket water pumps but without fan.