



The C7.1 Industrial Power Unit is a complete power package containing a radiator, flywheel, alternator and alternator wiring, completely pre-assembled for fast, straightforward installation in a number of OEM, customer and packager applications. These fuel efficient units are ready-made for irrigation, industrial, mining and other pump applications.

## Specifications

Power Rating		
Maximum Power	205 kW	275 HP
Maximum Torque	1050 Nm @ 1400 rpm	774 lb-ft @ 1400 rpm
Rated Speed	116-205 bkW/156-275 bhp @ 2200 rpm, 129 bkW/173 bhp @ 2500 rpm	
Minimum Power	116 kW	156 HP

Emission Standards	
Emissions	China Nonroad Stage III, Brazil MAR-1, UN ECE R96 Stage IIIA

General		
Engine Configuration	Inline 6, 4-Stroke-Cycle Diesel	
Bore	105 mm	4.1 in
Stroke	135 mm	5.3 in
Displacement	7.01 l	427.7 in <sup>3</sup>
Compression Ratio	16.8:1	
Aspiration	Turbocharged Aftercooled (TA)	
Rotation from Flywheel End	Counterclockwise	
Aftertreatment	-	

Power Unit Dimensions		
Length	1728 mm	68 in
Width	788 mm	31 in
Height	1140 mm	44.8 in
Weight	788 kg	1737 lb

## Benefits and Features

**Reliable, Quiet and Durable Power**

World-class manufacturing capability and processes coupled with proven core engine designs assure reliability, quiet operation, and many hours of productive life.

**Fuel Efficiency**

Fuel consumption optimized to match operating cycles of a wide range of equipment and applications while maintaining low operating costs.

**Broad Application Range**

Industry leading range of factory configurable ratings and options for agricultural, material handling, construction, mining, aircraft ground support, and other industrial applications.

**Package Size**

Exceptional power density enables standardization across numerous applications. Multiple installation options minimize total package size. Ideal for equipment with narrow engine compartments.

**World-class Product Support Offered Through Global Cat Dealer Network**

- Scheduled maintenance, including SOS<sup>1</sup> sample
- Customer Support Agreements (CSA)
- Caterpillar Extended Service Coverage (ESC)
- Superior dealer service network
- Extended dealer service network through the Cat Industrial Service Distributor (ISD) program

**Standard Equipment****Air Inlet**

- Standard air cleaners

**Control System**

- Full electronic control system, all connectors and wiring looms waterproof and designed to withstand harsh off-highway environments
- Flexible and configurable software features and well-supported SAE J1939 CAN bus enables highly integrated machines

**Cooling System**

- Top tank temperature 108° C (226° F) as standard to minimize cooling pack size
- 50:50 water glycol mix
- Cooling system designed for operation in 48 C (118 F) ambient.

**Flywheels and Flywheel Housing**

- Wide choice of drivetrain interfaces, including SAE No. 1, SAE No. 2, and SAE No. 3 configurations

**Fuel System**

- Electronic high pressure common rail
- ACERT Technology
- Innovative filter design to ensure maximum protection of the engine

**Lube System**

- Wide choice of sumps for different applications

**Power Take Off**

- SAE A or SAE B flanges on left-hand side. Right-hand side twin PTO also available. Engine power can also be taken from the front of the engine on some applications.

**General**



- Paint: Caterpillar yellow

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