

RUN HARD. DREAM BIG.



ISC 350

PERFORMANCE

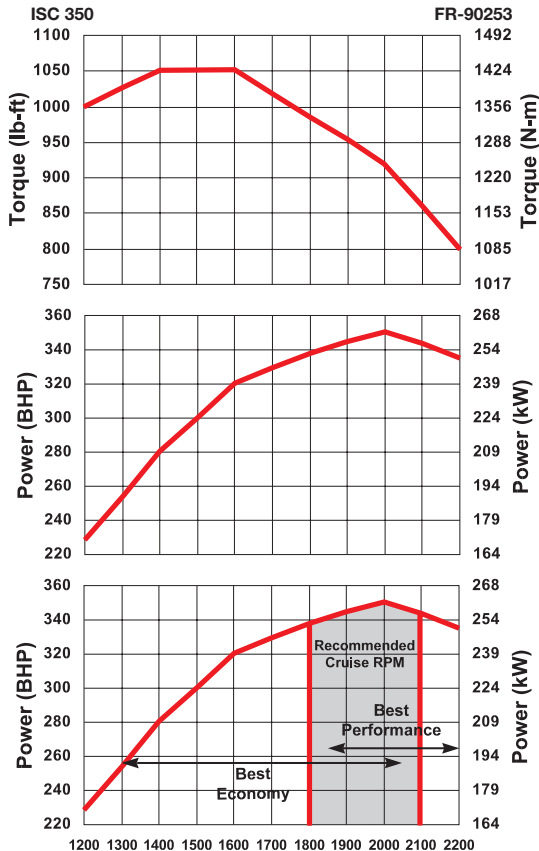
Performance at SAE standard J1995 conditions of 300 ft (90 m) altitude (29.61 in. Hg [100 kPa] barometric pressure), 77°F (25°C) air intake temperature and 0.30 in. Hg (1 kPa) water vapor pressure with No. 2 diesel fuel will be within 5% of that shown at the time of engine shipment. Actual performance may vary with different ambient conditions.

Curves represent performance of the engine with fuel system, water pump, lubrication oil pump, air compressor (unloaded), and with 10 in. H₂O (250 mm) inlet air restriction and with 2.0 in. Hg (50 mm) exhaust restriction; not included are alternator, fan, optional equipment and driven components.

Within the recommended cruise range, gear to cruise at lower engine speeds for best economy, higher engine speeds for best performance.



Restricted to RV/Emergency Vehicles, Truck Crane Applications, and Tow/Roadside Recovery



SPECIFICATIONS

Maximum Horsepower	350 bhp	(261 kW)
Peak Torque	1050 lb-ft	(1424 N-m)
Governed Speed	2200 rpm	
Clutch Engagement Torque	500 lb-ft	
Number of Cylinders	6	
Bore and Stroke	4.49x5.32 in	(114x 135 mm)
Engine Displacement	504.5 cu in	(8.3 L)
Compression Ratio	17:1	
Operating Cycles	4	(4)
Oil System Capacity	6.3 US gal	(23.8 L)
Coolant Capacity	10.7 US qt	(10.1 L)
Net Weight with Std. Accessories, Dry	1530 lb	(694 kg)
Installation Drawing Number	3170242	

DESIGN FEATURES

24-Valve Cylinder Head - Four valves per cylinder for increased power with faster response across the entire power band. Vertically mounted injectors are centered over the piston for improved combustion and low-end torque. Single-piece head with integral intake manifold and fuel return.

Cylinder Block - Stiffer design for reduced noise and vibration. Fluid lines are integrated into the block, replacing hoses and eliminating potential leak points. Increased cooling and lubrication flow means cooler operation with longer engine life. Electronic components are designed-in, not added on.

Cummins Accumulator Pump System - Patented Cummins fuel system delivers high injection pressures, independent of engine speeds. Results in improved transient response and fuel economy with reduced emissions. Can be serviced at any authorized Cummins location.

Electronic Features - The Interact System includes full-authority electronics and is fully customizable. Features include diagnostics, asset protection, road speed governing, PTO, trip information, duty cycle monitor, real time clock and more. Equipped with industry standard J1587 and J1939 data links.

Extended Service Intervals - Up to 15,000 mile service intervals for lower life cycle costs.

Fuel Filter - Low maintenance assembly has integrated water separator and water-in-fuel sensor. A new 10-micron filter is designed to increase filter change intervals and be consistent with oil change intervals.

Mid-Stop Cylinder Liners - Replaceable cylinder liners with patented mid-stop design for enhanced durability with complete rebuildability.

No-Adjust Overhead - Robust design. Standard heavy-duty valve springs are compatible with exhaust brakes, which can be added at any time.

Noise Reduction - Noise levels are reduced up to 3 dBA at maximum engine speed, with 2 dBA less noise at idle.

Piston Design - Symmetrical piston bowl combines with centered injectors to deliver optimal combustion, increased power.

Turbocharger - Holset HX40 is custom-designed for heavy-duty performance, with maximum torque at low rpm, and optimum performance at high rpm.

CUSTOMER SUPPORT

Service Network - Cummins engines are backed by over 3,500 authorized service outlets with strategic locations in every state and province.

Customer Assistance Center - 1-800-DIESELS (1-800-343-7357). Cummins specialists provide technical assistance, service locator and product literature 24 hours/day, 365 days/year.

ISC 350

AUTOMATIC TRANSMISSION INFORMATION

The ISC 350 will deliver the optimum balance of performance and fuel economy if matched correctly. Select the proper rear axle ratio for the vehicle's tire size and desired top road speed.

For transmission recommendations specific to your application, contact your local transmission dealer or Cummins distributor. Typical torque converter matches:

	MD-3066
RV	TC-419 #
Fire Truck	TC-419

- Rating approval required by Allison regarding parasitic loads



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