



EVERY POWER.

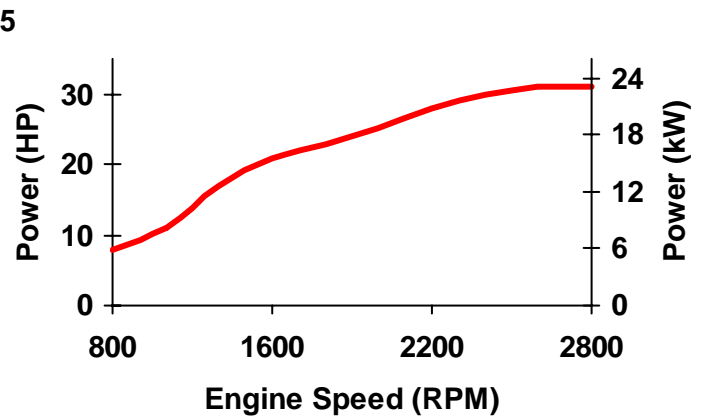
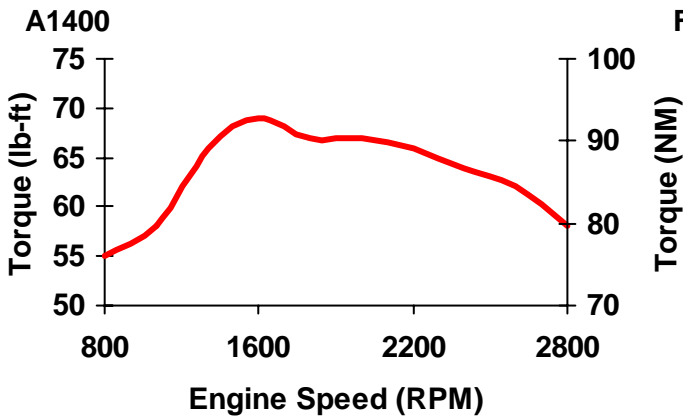
A1400

A1400 Ratings

ENGINE MODEL	ADVERTISED HORSEPOWER	PEAK TORQUE	ASPIRATION
A1400	31 BHP@2800 RPM	69 lb-ft @ 1600 RPM	Naturally Aspirated



Emission Certification: U.S. EPA Tier 2, CARB tier II, EU Stage II



Specifications

Advertised Horsepower		31 BHP	23 kW	
Peak Torque		69 lb-ft	93 NM	
Number of Cylinders		3		
Displacement		89 cu in	1.5 Liters	
Bore and Stroke		3.31 in. x 3.46 in.	84 mm x 88 mm	
Aspiration		Naturally Aspirated		
Oil System Capacity		5 U.S. Quarts	4.7 Liters	
Power Unit Weight (Dry)	Open	508 lbs	231 kg	
	Enclosed	636 lbs	289 kg	
Total Cooling System Capacity		8.5 U.S. Quarts	8.04 Liters	
Power Unit Size: Open	Length	30.53 in.	775 mm	
	Width	24.31 in.	617 mm	
	Height	39.57 in.	1005 mm	

	Enclosed	Length	31.50 in.	800 mm
		Width	24.72 in.	628 mm
Height		52.18 in.	1325 mm	

Curves shown above represent gross engine performance capabilities obtained and corrected in accordance with SAE J1995 conditions of 29.61 in Hg (100 kPa) barometric pressure [300ft (91m) altitude] 77 deg F (25 deg C) inlet air temperature, and 0.30 in Hg (1kPa) water vapor pressure with No. 2 diesel fuel.

All data is based on the engine operating with fuel system, water pump, and 11.81 in H₂O (2.939 kPa) inlet air restriction with 1.97 in (50 mm) inner diameter, and with 1.78 in Hg (6 kPa) exhaust restriction with 1.65 in (42 mm) inner diameter; not included are alternator, fan, optional equipment and driven components.

The engine may be operated without changing the fuel setting up to 5,000 ft (1,524 m) altitude and 100 deg F (38 deg C). For sustained operation at high altitudes, the fuel rate of the engine should be adjusted to limit performance by 4% per 1000 ft. (300 m) above 5,000 ft (1,524 m) altitude.

KEY FEATURES

A1400

Parent Bore Cylinder Block Structurally advanced design handles high pressures with greater durability.

One-piece Aluminum Pistons for dependable performance.

Indirect Injection for lower noise, reduced emissions, and enhanced cold weather starting.

Gear-Driven hydraulic pump drives with front- and rear-mounting capabilities.

Single-Side Service with lube filter, fuel filter, dipstick, and top or side oil fill options.

Quiet operation makes the A Series engine suitable in many environments.

Air Cleaner Heavy duty industrial air cleaners with aluminized tubing. Safety elements included within the air cleaners and restriction indicators available.

Baserail Mounting Made of heavy duty formed C channel. All metal components are powder coated. Passes a 1000 hours salt water test.

Cooling System Heavy duty radiator assembly with jacket water cooling. Sucker or blower fan arrangements available. Painted water tubes. radiator shroud, fan and belt guarding included. Radiator is isolated.

Enclosure Fully enclosed power unit available. Enclosure housings uses 12-gauge steel. All components are powder-coated, which increases chip resistance. Passes a 1,000-hour salt spray tests. Components are bolted, not welded, so they resist mounting distortion and are easier to service. Removable side doors for easy engine serviceability.

Exhaust Heavy duty industrial muffler provided.

Cummins Industrial Warranty Coverage for two years or 2000 hours of operation, whichever occurs first, from the date of delivery of the power unit to the first user, or from the date the unit is first leased, rented or loaned, or when the power unit has been operated for 50 hours, whichever comes first. If the 2000 hour limit is exceeded during the first year, coverage continues until the end of the first year.

Available Options	Standard	Optional
Air Cleaner 25 g/cfm w / Safety Element - Open Rear Mount	■	
Air Cleaner 25 g/cfm w / Safety Element - Enclosed Top Mount	■	
Decal Option / parts Manual	■	
Throttle Control	■	
Full Enclosure	■	
Electrical Wiring 12 Volt	■	
Heater Starting Aid (glow plug)	■	
Instrument panel mount - Open	■	
Instrument Panel - Sw itch Gauges; Includes Murphy shutdow n, electro-mechanical oil pressure and w ater temp., voltmeter, and tachometer / hourmeter gauges, key sw itch, isolated panel.	■	
Instrument Panel - Hourmeter is the only gauge in panel.		■
Baserail Engine Sub Base Isolated	■	
Baserail Engine Sub Base - Special Isolated Side Mount		■
Packing / Shipping Skid	■	
Cooling System - Sucker; Includes Radiator, fan, shroud, positive deaeration tank, guarding, tubes.	■	
Cooling System - Blow er; Includes radiator, fan, shroud, positive deaeration tank, guarding, tubes.		■
Restriction Indicator - Air Cleaner		■
Stone Guard - Grill Type	■	
Exhaust System	■	

CUMMINS POWER PRODUCTS

21810 Clessie Court
 New Hudson, Michigan 48165
 Phone: 248-573-1600
 Fax: 248-573-4014
 Internet: cpp.cummins.com