

# 1300 Series 1306C-E87TAG4 Diesel Engine – Electropak

217 kWm 1500 rev/min  
235 kWm 1800 rev/min

The Perkins 1300 Series family of Electropak engines has become renowned throughout the power generation industry for the engines' superior performance and reliability.

The 1306C-E87TAG4 engine is a turbocharged and air-to-air charge cooled unit, featuring hydraulically-actuated electronically controlled unit injectors (HEUI) with 'full authority' electronic engine management providing reliable, quiet, economic operation supported by the quick starting, fast response and close control demanded by the electrical power generation market.

## High performance productive power

- Hydraulically actuated Electronically controlled Unit Injectors – high-pressure fuel injection gives constant, reliable high performance
- Constant electronic engine management and monitoring enable precise fuel metering and injection timing to ensure reliable low temperature starting, superb economy with performance and very close governing

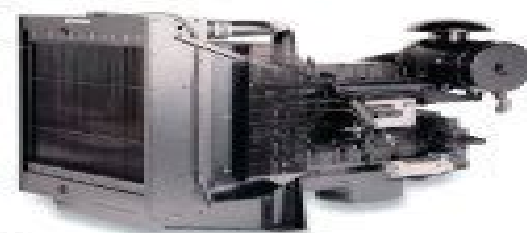
## Quiet, clean power

- A rigid structure minimizes noise transmission and helical cut gears provide quiet power transfer to auxiliaries
- Forced induction and electronic fuel injection control combine to reduce combustion noise while electronically optimised fuel/air mixing ensures complete combustion resulting in virtually smoke free operation with emissions capability matching current and future emissions legislation

## Durable power

- A fully balanced induction-hardened steel crankshaft gives smooth performance with minimised bearing loads

- Oil cooled pistons with keystone top and second rings give longer life while positive rotational valves and roller cam followers reduce wear on valve seats, tappets and cam lobes



## Reliable power

- Cylinder head coolant is directed to valve bridges and injectors and lubricating oil is cooled in a high efficiency oil cooler, both features enhancing engine reliability
- Electronic safety shutdown option protects the engine while event and fault warning codes protect operations

## Easy maintenance

- Electronic diagnostics help to keep the engine at its productive best while enabling the operator to plan maintenance. Oil and filter changes at 450 hours reduce down time
- All engines are supported by the Perkins worldwide network of distributors and dealers

Certified against the requirements of EU2007 (EU97/68/EC Stage II) legislation for non-road mobile machinery, powered by constant speed engines

Engine Speed rev/min	Type of Operation	Typical Generator Output (kW)		Engine Power			
				Gross		Net	
		kVA	kVAe	kWm	bhp	kWm	bhp
1500 Rating Code M429	Baseload Power	205	165	185	248	178	241
	Prime Power	228	182	205	273	198	265
	Standby (maximum)	250	200	224	300	217	291
1800 Rating Code M432	Baseload Power	223	178	200	269	194	261
	Prime Power	245	196	220	295	213	286
	Standby (maximum)	270	216	242	325	235	315

1500/1800 rev/min available ratings are offered for stand-alone non-load shedding gen. set applications. Rating code M435 applies. The above ratings represent the engine performance capabilities to conditions specified in ISO 8528-1, ISO 3046-1 types, EC609/01, CEV0071. Cooling may be required for conditions outside these; consult Perkins Engines Company Limited.

Generator power set total and are based on an efficiency of 80% and a power factor of 0.8. Performance tolerance is ± 5%. Fuel specification: ISO 22800 Part 2: 1999 Class A2 or ASTM D4751 C2. Lubricating oil: 15W40 or ACEA/ECE or API CG4.

### Rating Definitions

**Baseload Power:** Power available for continuous full load operation. Overload of 10% permitted for 1 hour in every 12 hours' operation. **Prime Power:** Power available at variable load with a load factor not exceeding 80% of the prime power rating. Overload of 10% is permitted for 1 hour in every 12 hours' operation. **Standby (maximum):** Power available at variable load in the event of a main power network failure up to a maximum of 500 hours per year of which up to 300 hours may be continuous. No overload is permitted.

Photographs are for illustrative purposes only and may not reflect true specification.

All information in this document is substantially correct at time of printing and may be altered subsequently. Published by: Perkins Engines Company Limited, Produced in England 40012 Perkins Engines Company Limited.

# Perkins 1300 Ecm Codes

**RJ Alexander**

A red circular graphic with a gradient, appearing as a stylized arrow or a light effect, positioned to the right of the author's name.

## **Perkins 1300 Ecm Codes:**

## Unveiling the Magic of Words: A Overview of "**Perkins 1300 Ecm Codes**"

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### Table of Contents Perkins 1300 Ecm Codes

1. Understanding the eBook Perkins 1300 Ecm Codes
  - The Rise of Digital Reading Perkins 1300 Ecm Codes
  - Advantages of eBooks Over Traditional Books
2. Identifying Perkins 1300 Ecm Codes
  - Exploring Different Genres
  - Considering Fiction vs. Non-Fiction
  - Determining Your Reading Goals
3. Choosing the Right eBook Platform
  - Popular eBook Platforms
  - Features to Look for in an Perkins 1300 Ecm Codes
  - User-Friendly Interface
4. Exploring eBook Recommendations from Perkins 1300 Ecm Codes
  - Personalized Recommendations
  - Perkins 1300 Ecm Codes User Reviews and Ratings
  - Perkins 1300 Ecm Codes and Bestseller Lists

5. Accessing Perkins 1300 Ecm Codes Free and Paid eBooks
  - Perkins 1300 Ecm Codes Public Domain eBooks
  - Perkins 1300 Ecm Codes eBook Subscription Services
  - Perkins 1300 Ecm Codes Budget-Friendly Options
6. Navigating Perkins 1300 Ecm Codes eBook Formats
  - ePub, PDF, MOBI, and More
  - Perkins 1300 Ecm Codes Compatibility with Devices
  - Perkins 1300 Ecm Codes Enhanced eBook Features
7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Perkins 1300 Ecm Codes
  - Highlighting and Note-Taking Perkins 1300 Ecm Codes
  - Interactive Elements Perkins 1300 Ecm Codes
8. Staying Engaged with Perkins 1300 Ecm Codes
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Perkins 1300 Ecm Codes
9. Balancing eBooks and Physical Books Perkins 1300 Ecm Codes
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Perkins 1300 Ecm Codes
10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
11. Cultivating a Reading Routine Perkins 1300 Ecm Codes
  - Setting Reading Goals Perkins 1300 Ecm Codes
  - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Perkins 1300 Ecm Codes
  - Fact-Checking eBook Content of Perkins 1300 Ecm Codes
  - Distinguishing Credible Sources
13. Promoting Lifelong Learning

- Utilizing eBooks for Skill Development
- Exploring Educational eBooks

#### 14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

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