

# New 1000 Series

# 1004-42

## Diesel Engine – Electropak

**45.0 kWm 1500 rev/min**  
**51.5 kWm 1800 rev/min**

Renowned throughout the power generation industry for their superior performance and reliability, the latest Perkins 1000 Series diesel Electropak easily satisfies the requirements of US EPA mobile off-highway legislation and TA Luft regulations.

The 1004-42 is a compact, naturally aspirated, 4 cylinder, larger capacity member of the family. Premium design features ensure economic and durable operation while providing the ideal characteristics for electrical power generation.



### Clean, efficient power

- Operator and environmentally sensitive with low noise, rapid startability and low emissions satisfying US EPA, mobile off-highway legislation and TA Luft requirements.

### Reliable power

- Suitable for operation in ambient temperatures up to 45 °C if a canopy is fitted.
- Fuelled starting aid for quick starting at temperatures down to -25 °C.
- Wherever a Perkins' Electropak engine is put into service, it will never be far from the support provided by a global network of 4000 distributors and dealers, all backed by a parts distribution centre giving 24 hour service, 365 days a year.

### Durable power

- Maximum cooling efficiency is provided by a high capacity water pump.
- Leak free operation is ensured by Vilem crankshaft seals and sophisticated controlled seal joints, giving protection in the toughest conditions.
- Inserted valve seats enhance engine life.

### Economic power

- Single side servicing and up to 500 hour oil and filter change reduces service time, cost and enhances equipment availability.
- Perkins advanced Fastram combustion system ensures high power with low specific fuel consumption and very low levels of noise.

Engine Speed rev/min	Type of Operation	Typical Generator Output (Net)		Engine Power			
		kVA	kWe	kWm Gross	bhp	kWm Net	bhp
1500	Prime power	46.5	37.0	42.0	56.5	41.0	55.0
	Standby power	50.5	40.5	46.0	61.5	45.0	60.5
1800	Prime power	53.0	42.5	48.0	64.5	47.0	63.0
	Standby power	58.0	46.5	53.0	71.0	51.5	69.0

All ratings data based on operation under ISO boost conditions using typical fan sizes and drive ratios. For operation outside of these conditions please consult your Perkins Engines contact. Performance tolerance quoted by Perkins is ±5%.

Electrical ratings assume a power factor of 0.8 and a generator efficiency of 90%.

#### Rating Definitions

**Prime power** – Power available at variable load in lieu of main power network. An overload of 10% is permitted for one hour in every twelve hours of operation.

**Standby power** – Power available at variable load in the event of a main power network failure. No overload is permitted.

# Perkins 1004 Tg Manual

**Mike Jess**



## **Perkins 1004 Tg Manual:**

Delve into the emotional tapestry woven by Crafted by in Dive into the Emotion of **Perkins 1004 Tg Manual** . This ebook, available for download in a PDF format ( \*), is more than just words on a page; it's a journey of connection and profound emotion. Immerse yourself in narratives that tug at your heartstrings. Download now to experience the pulse of each page and let your emotions run wild.

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