

# New 1000 Series

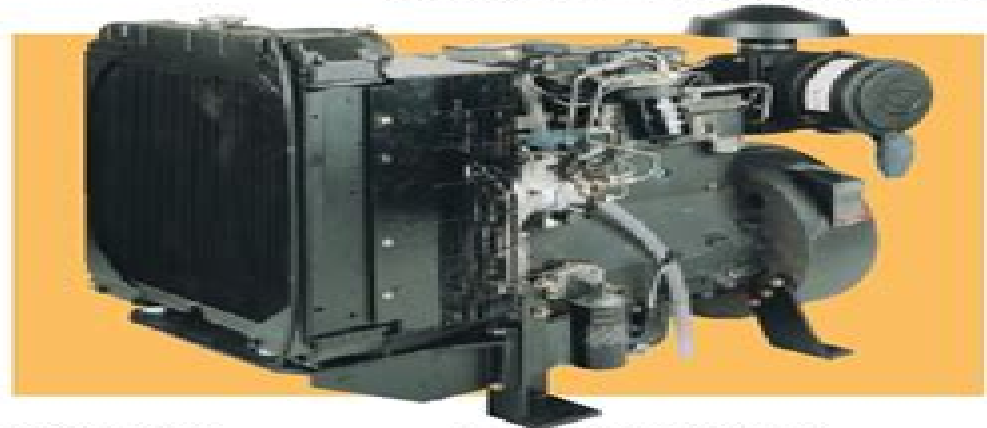
# 1004-42

## 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	Net 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 3006 test 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 Engine Manual

**John Sherman Porter**



## **Perkins 1004 Engine Manual:**

## Unveiling the Energy of Verbal Artistry: An Emotional Sojourn through **Perkins 1004 Engine Manual**

In a global inundated with displays and the cacophony of quick interaction, the profound power and psychological resonance of verbal artistry usually fade into obscurity, eclipsed by the regular onslaught of sound and distractions. Yet, situated within the lyrical pages of **Perkins 1004 Engine Manual**, a captivating work of fictional elegance that impulses with organic feelings, lies an unique journey waiting to be embarked upon. Written with a virtuoso wordsmith, that interesting opus manuals viewers on a psychological odyssey, delicately revealing the latent potential and profound influence embedded within the delicate web of language. Within the heart-wrenching expanse of this evocative evaluation, we shall embark upon an introspective exploration of the book is main themes, dissect its captivating writing style, and immerse ourselves in the indelible impression it leaves upon the depths of readers souls.

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