

ENGINES WITH A FUTURE



Farymann Diesel

> TOUGH DRIVES FOR
TOUGH JOBS



> *TOP-RANKING COMPANIES ALL
OVER THE WORLD PUT THEIR TRUST
IN OUR CORPORATE SKILLS AND
RELIABILITY.*

Since 1947, we have dedicated ourselves to the high-performance Farymann diesel engines for industrial and construction machinery, plus marine and specialized applications. Following an eventful corporate history, we are now, as Greaves Farymann Diesel GmbH, Lampertheim, Germany, closely linked to Greaves Cotton Ltd., a producer of diesel engines. The experience and know-how of both partners complement each other to optimum effect, and are incorporated in the development, production and quality assurance of our single-cylinder diesel engines. Our customers benefit from the skills and creativity of our staff. The secret of success for Farymann diesel engines? Sophisticated, leading-edge engineering, reliability and flexible application options. Can-do consultancy and a responsive local presence are of course guaranteed: we are there to help you worldwide, through our sales and customer service network.

WHAT DRIVES US ?

Our commitment to quality and sustainability

The Farymann diesel engine.

From the smallest drive to the compact and powerful model, it has become simply indispensable at the heart of many technical applications. Nowadays, top-quality engines not only have to be reliable and powerful, they also have to satisfy stringent requirements for eco-compatibility.

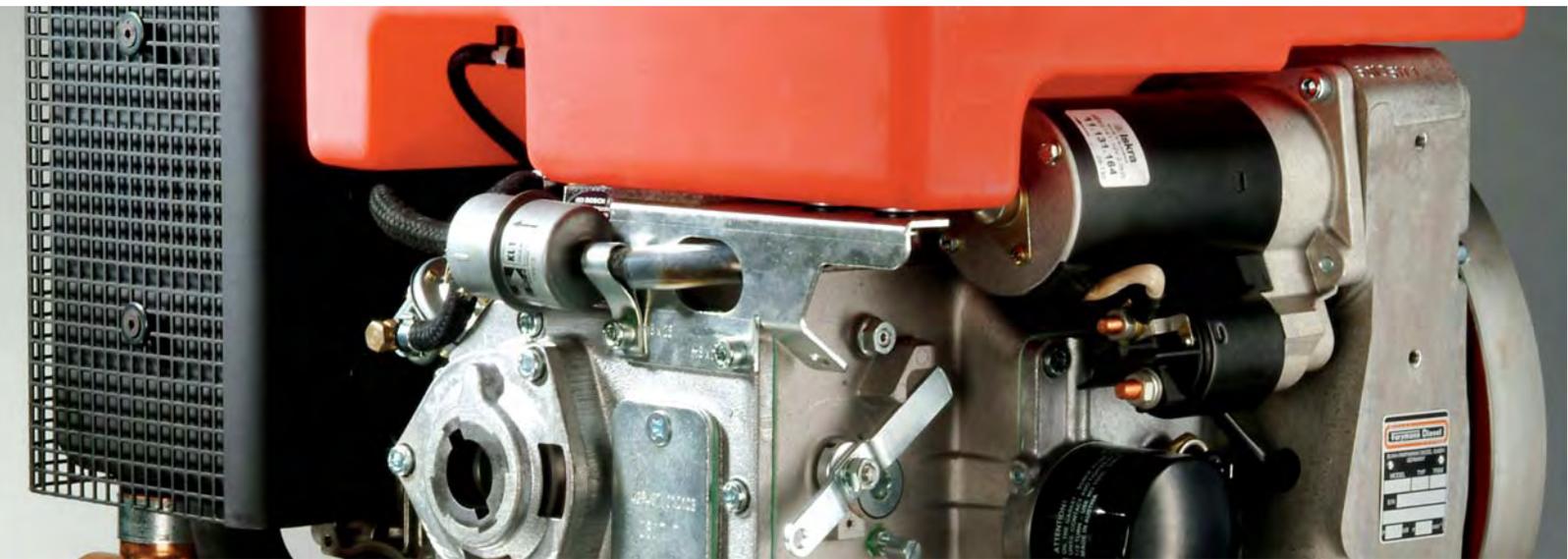
> *WE TAKE RESPONSIBILITY. FOR MEETING OUR CUSTOMERS' EXPECTATIONS, ENSURING OUR STAFF'S SATISFACTION, AND AN ETHICAL APPROACH TO OUR NATURAL ENVIRONMENT.*

A challenge that we meet and master. Fuelled by the spirit of innovation our quality thinking is the perpetual drive of our proactive commitment to sustainability. Foresightful R & D is our principal focus, designed to create today the solutions our customers are going to want tomorrow.



Rainer Stuermer, Managing Director

COMPACT, CLEAN WORKHORSES



THE AIR-COOLED ONE

15 D / 18 D

The Farymann Diesel 15 D / 18 D in vertical design is used in industrial applications.

Engine data for the 15 D / 18 D:

- vertical single-cylinder diesel engine
- air-cooled
- direct injection

Rating:

1.9 kW - 4.7 kW,
speed range 1800 - 3600 rpm

THE FLAT ONE

43 F

With a height of just 360 mm, the Farymann Diesel 43 F is precisely the right engine when only a particularly low installation space is available.

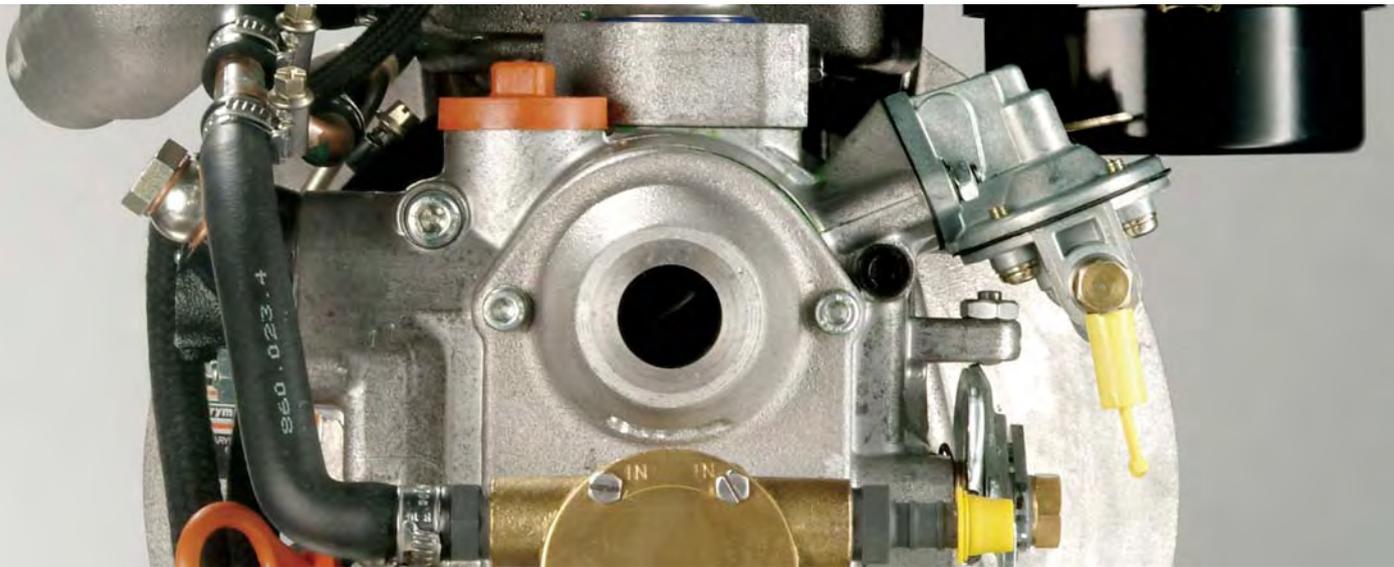
Engine data for the 43 F:

- horizontale single-cylinder diesel engine
- air-cooled
- direct injection

Rating:

5 kW - 11 kW,
speed range 1500 - 3000 rpm

As an experienced manufacturer of single-cylinder diesel engines, we can look back on long-standing business relationships. This shows us that Farymann diesel engines give consistent satisfaction. All our engine series excel in terms of their salient characteristics: they are compact, sturdy, long-lived, and meet the stringent emission requirements of the USA EPA standard. Powerful as our workhorses are, even in the toughest of applications, they are nonetheless very modest in terms of fuel consumption. One particularly pleasant characteristic for the operator and their immediate surroundings is that the engines are extremely quiet when running.



For your different requirements, we offer you four types of engine, which share the following characteristics:

- *Start with starting handle or electric starter motor*
- *Automatic decompression*
- *Aluminium crankcase*
- *Engine lubrication with gear pump*
- *Cold-start capability down to - 32°C*

THE WATER-COOLED ONE

15 W / 18 W

Maximum power from minimal dimensions – that is what our Farymann Diesel 15 W / 18 W provides. We are particularly proud of it: after all, it is the world's smallest water-cooled diesel engine. It is used in marine and industrial applications.

Engine data for the 15 W / 18 W:

- vertical single-cylinder diesel engine
- water-cooled
- direct injection

Rating:

2.3 kW - 5.2 kW,
speed range 1800 - 3600 rpm

THE FLAT WATER-COOLED ONE

43 W

With a height of just 360 mm, the Farymann Diesel 43 W is precisely the right engine when only a particularly low installation space with restricted cooling air supply is available. It is used in marine and industrial applications.

Engine data for the 43 W:

- horizontale single-cylinder diesel engine
- water-cooled
- direct injection

Rating:

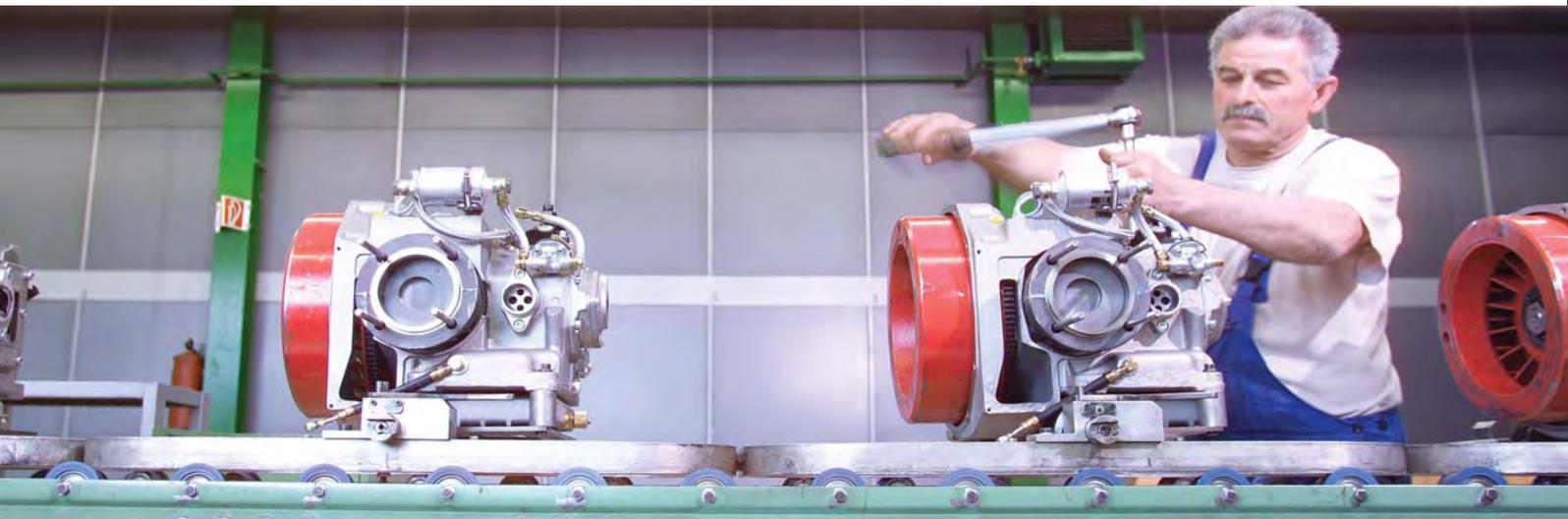
5 kW - 11 kW,
speed range 1500 - 3000 rpm

PERFECTLY INTERMESHEDED:
PEOPLE, IDEAS AND ENGINEERING

You can recognize a company's innovative energy by its purposeful transformation of ideas into tangible reality. Technological market trends and customized requirements are welcome challenges for our in-house development people. Continuous R & D and design enhancement projects for our engines guarantee products optimally matched to present-day market requirements. In-house engine

LOW EMISSIONS COMBINED WITH
OPERATIONAL VERSATILITY

Our single-cylinder diesel engines are used in industrial facilities and the construction sector as well as in marine and specialized applications. Here they drive pumps, compressors, high-pressure cleaners and generators. As a discerning user you benefit from the broad bandwidth and high flexibility: we offer you an engine with precisely the characteristics you need for your own particular application.



design work on state-of-the-art 3D CAD systems ensures that ideas are transformed into high-quality affordable reality. In conjunction with our suppliers, we run intensive tests on all our engine components.

Farymann Diesel excels particularly in terms of lengthy experience in developing and manufacturing engines that incorporate the very latest technical advances.

In recent years, compliance with the progressively more stringent legislation for exhaust gases on the various markets has increasingly become a touchstone for engine manufacturers. Thanks to continual design enhancement, we were able to meet the stringent American EPA limit values, thus qualifying for a long-term role on the US market. Our investments in engine test bed equipment have also contributed significantly towards ensuring the continually sustainable excellence of our production.



> *EVERY ENGINE THAT LEAVES OUR PLANT HAS UNDERGONE INTENSIVE QUALITY CONTROL.*

> *WE EMPHASIZE A FLEXIBLE RESPONSE TO OUR CUSTOMERS' WISHES AND WE OFFER INDIVIDUALIZED SOLUTIONS FROM A SINGLE SOURCE.*

Our quality thinking is best reflected in our production process. We use state-of-the-art CNC technology for machining or manufacturing specialized components. We respond with exceptional flexibility to our individual customers' wishes. We are able to create specialized solutions for your particular application, since we cover the entire production chain in-house: we develop, design, produce, assemble and test the engines throughout the entire production process. Before the engines leave our premises, we test each and every one of them meticulously on the engine test bed, and measure its exhaust gas emissions. We check the outsourced components from our carefully selected suppliers directly at incoming-goods inspection.

All our engines meet the toughest of requirements in terms of material, precision, reliability and long lifetimes. Depend on it: choosing a Farymann diesel guarantees you sound and lasting operation of your machines.

SERVICE WORLDWIDE

Farymann Diesel excels in terms of outstandingly responsive service. Close proximity to our customers is a paramount consideration. Our worldwide sales and service network, with local partners on the spot, ensures individualized, professionally expert support. We are currently represented by contracted associates in more than 60 different countries.



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