

Invented for life



BOSCH

DCP 800

The Diagnostic Common-Rail Pump Test Bench



DCP 800 – efficient and powerful

The common-rail pump test bench from Bosch

For decades, Bosch has provided workshops with diesel test benches, enabling continuous and cost-effective repairs of high-pressure pumps and injectors. The Diagnostic Common-Rail Pump Test Bench DCP 800 represents the next step, a test bench designed to service pumps from passenger cars, commercial vehicles, and off-highway applications.

Future-ready solutions for an evolving market

The DCP 800 is purpose-built for an evolving market where the role of diesel technology is rapidly shifting. Despite new trends, diesel engines remain the backbone of commercial vehicles – making performance, reliability, and compliance more critical than ever. As emission standards become increasingly stringent, workshops need solutions they can rely on. The DCP 800 delivers exactly that: a powerful, future-ready test bench designed to optimize efficiency, ensure compliance, and keep workshops ahead of the curve.

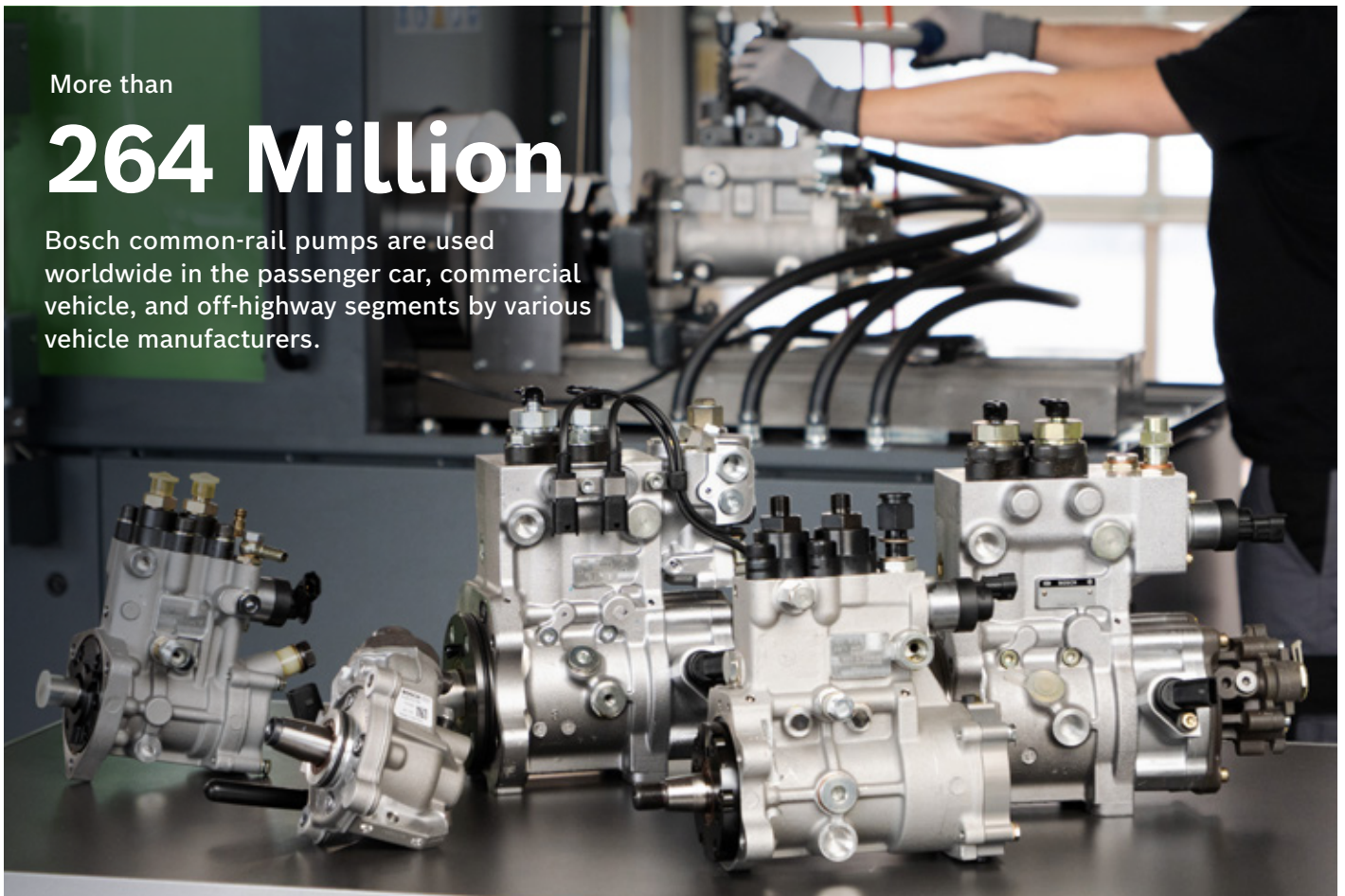
Expertise straight from the source

As one of the leading developers and suppliers for the automotive industry, Bosch possesses extensive knowledge of test procedures, integrating the specific test specifications directly into its workshop solutions. By utilizing the DCP 800, workshops can leverage this first-hand expertise to significantly advance their diagnostic capabilities for a wide range of current and future diesel systems.

More than

264 Million

Bosch common-rail pumps are used worldwide in the passenger car, commercial vehicle, and off-highway segments by various vehicle manufacturers.





Ø **20**
minutes
test time



up to
2,700 bar



DCP 800

Diagnostic Common-Rail Pump Test Bench

0 683 800 001 380VAC – 480VAC

Scope of delivery

- Bosch Common-rail pump test kit for CP4eSV, CPN5 and CPN6
- LCD touchscreen 15,6"
- Swiveling tray for keyboard and mouse

Reliable in detail – strong in the result

The DCP 800 is designed as a dedicated test equipment for common-rail pump testing. An easy test setup, precise measurement systems, and regular online updates support smooth operation and up-to-date test data.



Fast

Quick setup and streamlined testing procedures for maximum workshop productivity. With an average testing time of just 20 minutes, it performs efficiently across all applications. Its user-friendly adaptability and testing of existing and future pump families ensure simple and reliable daily operation.



Modern

With testing capabilities of up to 2,700 bar and extensive coverage of common-rail pump families, the DCP 800 is built for true professional performance. Integrated online updates ensure that software and test data are always up to date – keeping operations accurate, efficient, and future-ready.



Safe

A newly designed sliding door with an integrated emergency push-button sets a new standard in operational safety – especially during high-speed, high-pressure testing. If the safety hood is opened or disturbed during operation, the integrated safety system instantly releases pressure, designed to protect both the user and the equipment at all times.



Accessible all around

The movable protective hood allows access from three sides and supports safe test procedures. Opening the hood is integrated into the safety concept.



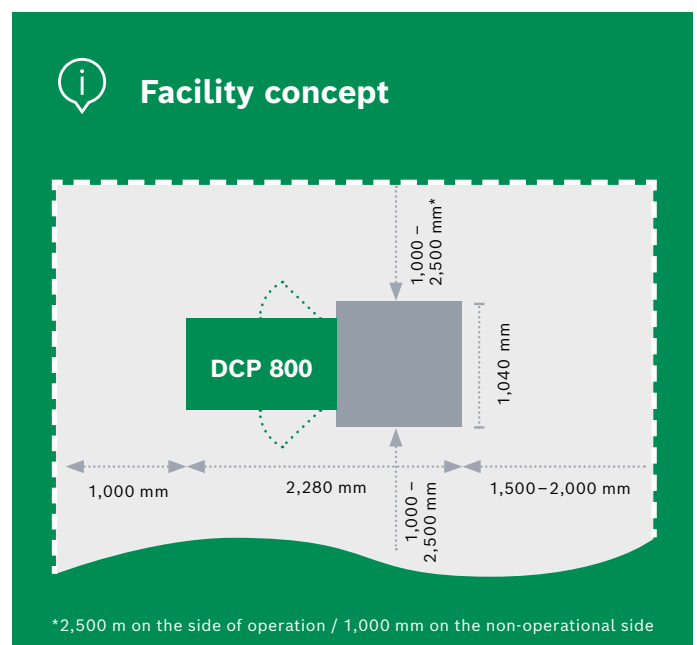
Ergonomic

Ergonomic design for professional use: easy pump installation thanks to wide working access. User-friendly operation simplifies setup and handling in the workflow.

Technical Data	DCP 800
Test pressure	0–270 MPa
Revolutions per minute (Rpm)	Max. 6,000 rpm
Drive power	Max. 25 kW
Automated inlet and backflow pressure control	inlet: -700–6,000 kPa, outlet: 0–2,500 kPa
Capacity of test oil tank at the max. marking / at the min. marking	ca. 69 l / ca. 48 l
Capacity of lube oil tank at the max. marking / at the min. marking	ca. 12,5 l / ca. 9 l
Dimension with swiveling arm & safety door open condition (W/H/D)	1,700 mm x 2,000 mm x 2,280 mm for relocation: 1,040 mm x 1,750 mm x 2,280 mm
External water chiller specifications	< 18 °C / > 1,100 l/h
Weight w/o test oil	1,050 kg
Operating system	WINDOWS 11
AC voltage supply	380 VAC–480 VAC
Rated current	45 A
Fuse	63 A
Phases	3P + PE
Input frequency	50 / 60 Hz
Degree of protection for DCP 800 complete with monitor	IP 20
Installation altitude	max. 2,000 m
Workplace-related sound pressure level L_{pA} to DIN EN ISO 11201	86 dB(A)
Operating temperature / funktion temperature	5 °C–40 °C
Permissible relative humidity DIN EN ISO 3744	< 90% (at 25 °C and 24 hours duration)
Storage temperature	-25 °C–60 °C
Software and database updates	via DDM (Diagnostic Download Manager) internet connection required

Advantages at a glance

- Testing of Bosch common-rail pumps
- Quick mounting set up
- Easy maintenance and handling
- Precise measurement system
- Regular updates via built-in data interface
- Access to Bosch Quality Scan



Measurement data at a glance – always ready to hand

The precise measurement system provides transparent results for common-rail pump testing. Electronic flow measurement supports efficient component tests and delivers reproducible measurement values.



Digital

Measurement and test data are available digitally. Software and database updates are performed online via DDM (Diagnostics Download Manager); an internet connection is required.



Flexible coverage – efficient in operation

The pump cover of the DCP 800 is designed for enhanced serviceability in daily workshop operations. Modular retrofit options for respective pump generations compatibility with selected third-party pumps, and automated service support help reduce downtime and keep operations running smoothly.



Specialized

Modular retrofitting kits expand the coverage for commercial vehicle and off-highway applications, e.g., for CPN5/CPN6 and other series. Applications with eSV technology in Euro 5 and Euro 6 engines can also be tested.



Low maintenance costs

The technical design with integrated functions reduces maintenance and simplifies setup. The integrated cooling system and the separate oil circuits support efficient operation.



Automated service intervals

Service intervals are electronically monitored and automatically displayed, for example, for the test oil change. The self-diagnosis system indicates necessary filter changes in a timely manner.



Workshop Tip

Existing common-rail pump sets such as CP1, CP3, and CBx8 from previous Bosch test benches like the EPS 815/708 are fully compatible. Furthermore, the test bench supports Bosch testing kits for third-party pumps, including Delphi, Denso, and VDO/Continental.



What drives you, drives us

Bosch technologies are used in most vehicles worldwide.
People, and assuring their mobility, is what we are focused on.

Therefore, we have dedicated over 130 years of pioneering spirit
and expertise in research and manufacturing to achieving this.

We provide the aftermarket and workshops worldwide with modern diagnostic and workshop
equipment and a wide range of spare parts for passenger cars and commercial vehicles:

- solutions for efficient vehicle repairs
- innovative workshop equipment and software
- one of the world's most comprehensive ranges of new and exchange parts
- large network of wholesale customers, for quick and reliable parts supply
- competent hotline support
- comprehensive educational and training offers
- targeted sales and marketing support

Find out more at:
boschaftermarket.com

Robert Bosch GmbH

Franz-Oechsle-Str. 4
73207 Plochingen
Germany