



KAMAZ

Publicly
Traded
Company

ENGINE PLANT

2020

KAMAZ Engine plant



It is the largest plant supporting a complete production cycle of diesel and gas engines, multi-purpose powertrains, as well as clutches, gear boxes and spare parts to them.

The total equipment quantity is over 8000 units. The equipment comprises high-tech machines and such lines as Emag, Liebherr, Reshauer, Boehringer, Mitsubishi, as well as assembly, painting and welding equipment, metal-cutting equipment, thermo-components, automatic galvanic machines.

Key activities

Production and supply of powertrains to KAMAZ assembly line.

Supply of series-production engines, gearboxes and spare parts for the needs of repair through KAMAZ distribution network.

Cooperation with various application OEMs.

Development (together with KAMAZ R&D) of engine and powertrain configurations in accordance with the customer's requirements.

Sales of auto components, development of units and part kits.

Supply of diesel and gas engines for diesel and gas powered electrical generator configurations.

Production services (thermal and galvanic treatment and machining of parts).



Products

The Engine plant permanently expands and improves the auto component product range. Today the plant offers cooperation to vehicle manufacturers, special vehicle manufacturers and maintenance vehicle manufacturers **for the following activities:**

KAMAZ engines and powertrains;

Sales kits, powertrains with Cummins engines;

Power drives;

Auto components: KAMAZ and ZF gear boxes, transfer cases, clutches, etc.;

Production and supply of cabins, axles and other special parts together with other KAMAZ process chain plants.



KAMAZ engines

Under the cost-performance ratio modern KAMAZ engines comply with engines of leading OEMs and have best mass and dimensions parameters.

A wide range of diesel and gas engines are produced under KAMAZ trademark:

Diesel V-8 engines:

displacement – 11,76 l, capacity – 200–500 h.p.

Gas V-8 engines:

displacement – 11,76 l, capacity – 260–400 h.p.

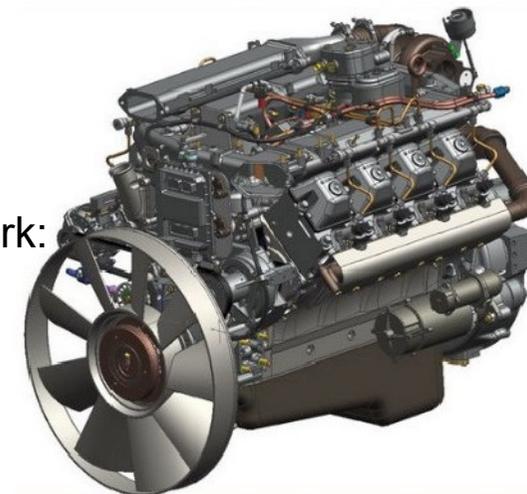
Industrial V-8 KAMAZ engines for the manufacture of diesel generator units and gas powered electrical generators:

KAMAZ 740.19 – for diesel generator units, capacity – 100 kW

KAMAZ 740.58 – for diesel generator units, capacity – 150 kW

KAMAZ 740.39 – for diesel generator units, capacity – 200 kW

KAMAZ 820.20 – for gas powered generators, capacity – 100 kW

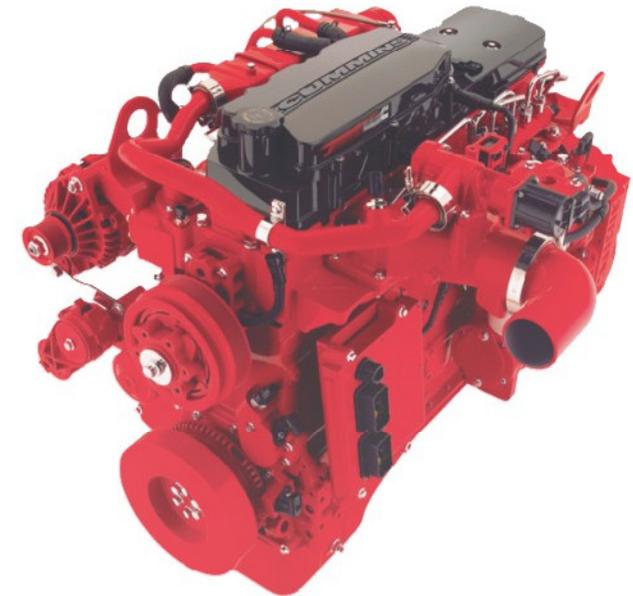


Sales kits, powertrains with Cummins engines

Powertrains, sales kits including **Cummins ISBe series** in-line engines produced at Cummins-Kama JV, Naberezhnye Chelny:

4-cylinder engines: displacement – 4,5 l, capacity – 140–210 h.p.

6-cylinder engines: displacement – 6,7 l, capacity – 205–300 h.p.



Power drives

Power drive with multiple-use KAMAZ 740.50-360 engine

Due to the power take-off in the engine design various systems and units can be connected to the drive:

- Pumping unit,
- Power units of special vehicles,
- Gas transmission stations, etc.

Basic characteristics:

Rated capacity, kW (h. p).....	265 (360)
Crankshaft revolutions per minute, rpm./min.....	2200
Drive torque, Nm (kgm).....	1147 (117)
Min. fuel rate, g/kWh (g/h.p.h.).....	201 (148)
Drive weight including all systems, kg.....	1169



Auto components

KAMAZ gear boxes:

5-stage models 141, 142

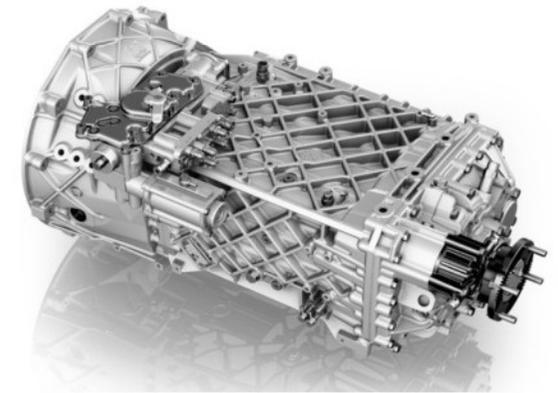
10-stage models 151, 152, 154

ZF KAMA gear boxes (Naberezhnye Chelny)

ZF Ecomid-9S1310, 9S1315

ZF Ecosplit-16S1820, 16S1825

Transfer case PK 6522 for heavy payload all-wheel-drive vehicles
of 30-40 t GVW with 320–420 h.p. engines



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