

The fuel injection system plants of ASIMCO Group produce P, P7100, P8500 and other series of fuel pumps for Euro II or above emission standard.

In 2005, ASIMCO plant in Hengyang, Hunan Province successfully developed the Electronic Unit Pump for Euro III emission standard. The product owns the intellectual property rights and a lot of national patents. It supplies to 30 types of engines from the major domestic OEM such as Yuchai, Xichai, Dachai, etc.

Common rail technology is being developed for Euro IV and beyond applications.

According to the emission standard the products meet, ASIMCO fuel pumps can be categorized into **Euro II application, Euro III application and other application.**

Euro III Application



Four Cylinder Electronic Unit Pump

Key Technical Parameter:

Emission Standard: Euro III

Single Cylinder Power Range: ~65kw

Maximum Pump Speed: 1600 rpm

Maximum Allowable Pump Pressure: 160 MPa

Connecting Method: Flanged connection with four holes



Four Cylinder Electronic Unit Pump

Key Technical Parameter:

Emission Standard: Euro III

Single Cylinder Power Range: ~35kw

Maximum Pump Speed: 2000 rpm

Maximum Allowable Pump Pressure: 160MPa

Connecting Method: Flanged connection with three holes

Fuel Injection System — Pump



Six Cylinder Electronic Unit Pump

Key Technical Parameter:

Emission Standard: Euro III

Single Cylinder Power Range: ~65kw

Maximum Pump Speed:1600rpm

Maximum Allowable Pump Pressure: 160MPa

Connecting Method: Bracket



Six Cylinder Electronic Unit Pump

Key Technical Parameter:

Emission Standard: Euro III

Single Cylinder Power Range:~65kw

Maximum Pump Speed:1600rpm

Maximum Allowable Pump Pressure: 160MPa

Connecting Method: Flanged connection with four holes



Electronic Unit Pump

Key Technical Parameter:

Emission standard: Euro III

Power Range: Four-cylinder 160~190 horse power; six cylinder 240~300 horse power

Customer Supplied: Yulin Diesel Wuxi Diesel, Dalian Diesel Chaoyang Diesel, Beijing Internal Combustion, Yunan Internal Combustion



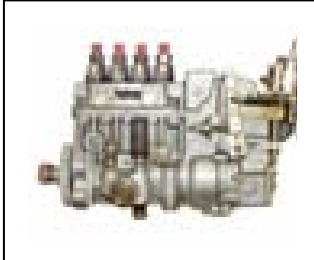
Mechanical Unit Pump

Key Technical Parameter:

Emission Standard: Euro II

Power Range: 240~280 horse power

Euro II Application



P Pump

Key Technical Parameter:

The Number of Cylinder: 4/6 Cam Lift: 11~12 mm

Pump Cylinder Distance: 32 mm

Plunger Diameter: 10.5/11/12 mm

Maximum Delivery Fuel Quantity Per Stroke: 230 mm³

Maximum Working Speed: 1500 ~ 1600 r/min

Allowable Pump Pressure: 90~95 Mpa

Product Features: EP9 multi-cylinder inline pump, which has the same connecting and installing dimension as the A pump. It has an integrally closed pump body, an optimized camshaft and bearing design, with suspended barrel and plunger assembly. The maximum working speed can reach 3000 rounds per minute and the maximum power for single cylinder is 45KW. It serves with constant pressure and volume delivery valve and variable-speed and rad electronic governors. The pump meets the Euro I and II emission standard and is the best choice for medium power engines, being able to supply to 105, 108, 110, 112 diesel engines and other engines at the same diameter.

Customer Supplied: Cummins, Yuchai, Dachai, Chaochai.



P7100 Fuel Pump

Key Technical Parameter:

Number of Cylinder: 4, 6 Cam Lift: 12~14 mm

Pump Cylinder Distance: 35 Plunger mm

Diameter: 12~13 mm

Maximum Delivery Fuel Quantity Per Stroke: 230 mm³

Maximum Working Speed: 1400 r/min

Allowable Pump Pressure: 105 Mpa

Product Features: Flanged plunger barrel assembly can reduce the pump pressure; the closed structure enhances the pump power by making it 1050 Mpa or above; It serves with RQ, RQV, RQV-K viable-speed and rad governors. The matching engine speed should reach 2600 rpm, maximum power for single cylinder power 55KW.



P8500 Fuel Pump

Key Technical Parameter

Number of Cylinder: 4、 6 Cam Lift: 13、 14 mm

Pump Cylinder Distance: 38 mm

Plunger Diameter: 12 mm

Maximum Delivery Fuel Quantity Per Stroke: 260 mm³

Maximum Working Speed: 1300 r/min

Allowable Pump Pressure: 120 Mpa

Product Features: P850 Pump is the enhanced type of P7100 pump. By enhancing the camshaft lift and widening the cams, the pump pressure was increased and the bearing was optimized. It can serve with variable-speed and rad electronic governors. The pump has an integrally closed pump body. The Maximum working speed is 2600 rpm and the maximum power of matching cylinder 65KW. It can serve with constant pressure and reflux damping valve. It meets the Euro I, Euro II emission standard and is the best choice for high power engines, which is applicable for 112, 113, 120, 125mm cylinder bore diesel engines and other engines at the same diameter.

PM Pump

Key Technical Parameter:

Number of Cylinder: 4、 6 Cam Lift:10~11 mm

Pump Cylinder Distance: 26、 28 mm

Plunger Distance: 9.5~10.5 mm

Maximum Delivery Fuel Quantity Per Stroke: 200 mm³

Maximum Working Speed: 1800 r/min

Allowable Pump Pressure: 80 Mpa

Product Features: It has an integrally closed pump body with flanged plunger and small roller parts. It serves with RQV-K governor which owns a compact structure and strong working capability, specially matching the small and high speed diesel engines. The maximum working speed can reach 3600 rpm, maximum power for matching cylinder 36KW or above. It fits for constant pressure and constant volume valve and meet the Euro I, Euro II emission standard, which is applicable to 85, 95, 100, 103, 105, 110mm cylinder bore or other diesel engines at the same diameter.

Euro I or below Application



A Pump

Key Technical Parameter:

Number of Cylinder: 4、 6 、 8

Cam Lift: 8、 9 mm

Pump Cylinder Distance: 32 mm

Plunger Diameter: 8~9.5 mm

Maximum Delivery Fuel Quantity Per Stroke: 130~180 mm³

Maximum Working Speed: 1400~1800 r/min

Allowable Pump Pressure: 50~60 Mpa

Product Feature: Inline plunger, serving with constant pressure, constant volume and other various types of valves, matching variable-speed or rad electronic governors, applicable to 100, 102, 105, 108, 110 diesel engines and other engines at the same diameter.

Customer Supplied: Yuchai, Xichai, Dachai, Chaochai, Beinei, Yangchai, Yunnei.



AD Pump

Key Technical Parameter:

Number of Cylinder: 4、 6

Cam Lift: 9、 10 mm

Pump Cylinder Distance: 32 mm

Plunger Diameter: 9~11 mm

Maximum Delivery Fuel Quantity Per Stroke: 200~210mm³

Maximum Working Speed: 1400~1800 r/min

Allowable Pump Pressure: 70 Mpa

Product Feature: Inline Plunger with constant pressure and constant volume valve. It can serve with variable-speed and rad electronic governors. It is the improved type of A Pump, whose pump pressure, working capability and power have all been enhanced compared with A Pumps. It is applicable to medium and small power diesel engines such as 100, 102, 105, 108 and 110 engines or others at the same diameter.