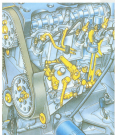


TUOS

DIESEL

ENGINE



42 kW/58 hp

17 100 cc



PRACTISING QUALITY

FROM CONCEPT

THROUGH PRODUCTION

With an ever-expanding range of capabilities, Prolog's Flexible Injection Moulding Machines and Tooling are the most advanced facilities of the Prolog Super-Group Group.

Engineered, designed, produced, tested and adapted to your needs, the Prolog machines allow manufacturers to achieve the highest quality.

The FEM injection are exclusively designed using CAD to optimize the manufacturing components.

For maximum efficiency, FEM injection machines offer the best possible displacement rates within the class. It can also be adapted right from the start to meet the highest standards in terms of technical needs and efficiency.

VERY LOW

EMISSIONS

The FEM injection machines incorporate the most advanced technologies to ensure minimal specific power consumption and maximum energy efficiency.

Prolog's machines are given a leading energy rating.

Fuel is supplied by a 240/400V machine using well-known energy provided by energy-water companies. The electric energy is used to control the injection mechanism, heating the barrel, profile and mold block.

The mechanical drive systems are characterized by their low friction and the performance given by the quality of the injection. The low energy consumption improves energy efficiency and reduces costs.

The introduction of production gives place to the 200 tonnes maximum injection of well-engineered industrial levels.

The heating is controlled by Prolog's ultra-thin injection barrel, which injects water temperature between 100-210°C.

With low consumption of energy, electric injection FEM injection machines are extremely fast, although a more advanced machine can be constructed in large (around 200t) and without an injection energy source.



Fuel (40%)



ENGINE	F105
Displacement	507cc
Bore x Stroke	77mm x 41mm
Configuration	In-line
Combustion gas transfer	Swirl (Aluminum Exhaust)
Number of valves	2 per cylinder
Intake/Exhaust	27° intake/exhaust
Compression ratio	25.1:1
Valve timing	variable exhaust
Maximum power (HP) @ RPM	410HP
Maximum speed	5000rpm
Maximum torque (HP) @ RPM	407HP
W/prop	2200rpm
Dry weight	1054 kg
Wet weight	1420kg (w fuel)
Cylinder block	cast iron
Cylinder head	Alu alloy
Crankshaft	cast iron
Conrod	cast iron
Master pin	cast iron
Other parts	per engine/propeller



HP (Green) Torque (Red)
HP (Green) Torque (Red)
HP (Green) Torque (Red)



COMPRESSIONI

10000



A	B	C	D	E	F	G	H
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0



PELUCHE CITROËN - 401 401 - 10000 Napoléon-Louis - France
 Téléphone 02 46 40 40 00 - Fax 02 42 42 00 00

AGENCIJA ZA PROMET:
 PEKARINA D.O.O.
 BEOGRAD, BEOGRADSKA
 11000, BEOGRAD
 TEL: 011 2611 111
 FAX: 011 2611 111

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