



special release

motorcycle  
motorbike



## APRILIA-DERBI-GILERA

**6 GEAR ENGINE**  
**CYLINDER KIT, PISTON,**  
**CYLINDER HEAD, GASKET KIT,**  
**INTERNAL COMBUSTION DOME**  
**40 mm / 50 cc**  
**2006-UP**



**P40010510003**

TECHNICAL  
CHARACTERISTICS

It is now available the ATHENA branded cylinder kit for the new DERBI engine. *THE CYLINDER* porting have been designed and developed in order to guarantee a higher power curve compared to the OE cylinder. The *CAST-LITE PISTON*, with domed head, has been designed to obtain the best performance with the ATHENA cylinder and head. The *CYLINDER HEAD* uses the "Modular Head Technology" and the *INTERNAL COMBUSTION DOME* has been developed to increase the compression ratio and the squish area.

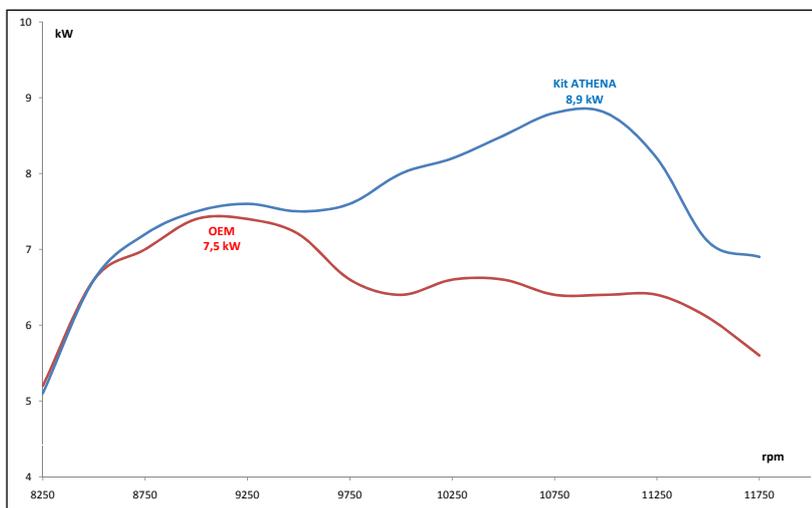
SPARE  
PARTS

- S410480302001.A/B Cast-Lite piston (A:  $\varnothing$  39,96 / B:  $\varnothing$  39,97 mm);
- S410105308007 Internal dome;
- P400105160002 Gaskets kit in 3 different thickness (Thickness: 0,1 / 0,6 / 0,8 mm).

TECHNICAL DATA

	 ATHENA	OEM
<b>CYLINDER BORE</b>	40 mm	39,86 mm
<b>STROKE</b>	40 mm	40 mm
<b>DISPLACEMENT</b>	50 cc	50 cc
<b>COMPRESSION RATIO</b>	15,3:1	11,5:1
<b>CRANKSHAFT POWER</b>	8,9 KW / 12,10 CV	7,5 KW / 10,19 CV
<b>TORQUE</b>	8 Nm / 8929 rpm	8 Nm / 8976 rpm

POWER CURVES



### ATHENA [8,9 KW / 12,10 CV]

Tests made with:

- ATHENA cylinder kit  $\varnothing$  40 mm;
- Racing exhaust pipe.

### OEM [7,5 KW / 10,19 CV]

- Tests made with stock engine;
- Racing exhaust pipe.

SUGGESTED RETAIL PRICE

**€ 288,00**  
(VAT INCLUDED)

attention: pictures may differ from the products which they refer to

for any order please contact our sale department ([ordini@athena-ad.com](mailto:ordini@athena-ad.com))  
for any other information please contact our customer service ([info@athena-ad.com](mailto:info@athena-ad.com))

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