

suitable for:

DERBI SENDA

2005-2009

HOMOLOGATED RACING EXHAUST PIPE

FOR ENGINE WITH OEM OR ATHENA CYLINDER Ø 40 mm - 50 cc



P/N: P400105120001

TECHNICAL CHARACTERISTICS

For Derbi Senda Cylinder kits, **ATHENA** offers two *Racing Exhaust Pipe*, one for the 50cc and one for the 80cc, getting the best performance out of these kits.

How does **ATHENA** develop its Exhaust System? The first step is to design and calculate an exhaust pipe perfectly fitting **ATHENA** cylinder porting time. Afterwards, several prototypes are made and tested on the SuperFlow Test Bench to find the right dimensions. Finally, the best prototypes are tested in a cross race track by professional testing riders and only the finest one becomes an **ATHENA** Racing Exhaust Pipes for **ATHENA** Cylinder kits.



That's why, we strongly recommend to use **ATHENA Racing Exhaust Pipe** to get the highest performance from **ATHENA** Derbi Senda cylinder kits.

SPARE PARTS

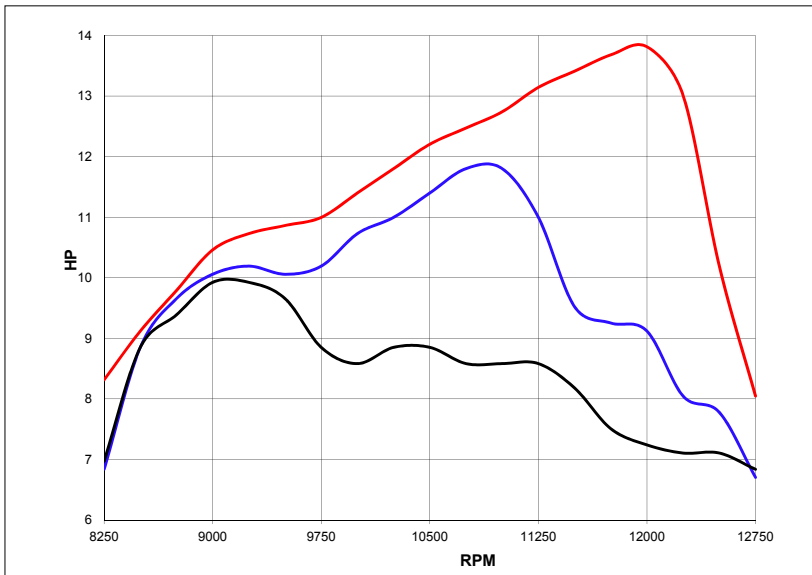
- 4190 ATHENA Carbon Silencer;
- 6971 ATHENA Exhaust pipe 50 cc;
- 1954 ATHENA cylinder kit Ø 40 (not included).



TECHNICAL DATA

	OEM	 ATHENA Ø 40	 ATHENA Ø 40 WITH RACING EXHAUST PIPE
CYLINDER BORE	39,86 mm	40 mm	40 mm
STROKE	40 mm	40 mm	40 mm
DISPLACEMENT	50 cc	50 cc	50 cc
COMPRESSION RATIO	11,5:1	15,3:1	15,3:1
WHEEL POWER	7,5 KW / 9,95 HP	8,9 KW / 11,8 HP	10,3 KW / 13,9 HP

POWER CURVES



ATHENA (10,3 kW / 13,9 HP)

Test made with:

- Athena cylinder kit Ø 40 mm;
- Athena Racing exhaust pipe;

ATHENA (8,9 kW / 11,8 HP)

Test made with:

- Athena cylinder kit Ø 40 mm;

OEM (7,5 kW / 9,95 HP)

Test made with stock engine.

suitable for:

DERBI SENDA

2005-2009

HOMOLOGATED RACING EXHAUST PIPE

FOR ENGINE WITH ATHENA CYLINDER Ø 50 mm - 80 cc



P/N: P400105120002

SPARE PARTS

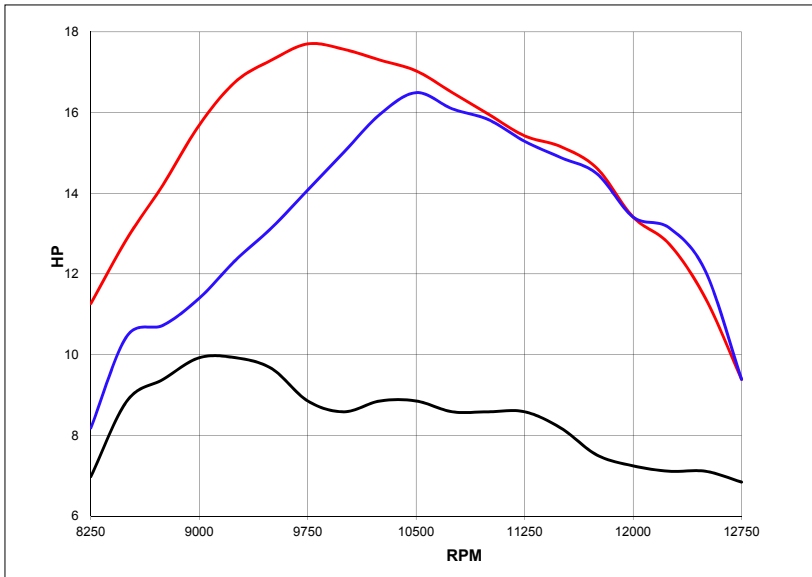
- 4190 ATHENA Carbon Silencer;
- 4191 ATHENA Exhaust pipe 80 cc;
- 1958 ATHENA cylinder kit Ø 50 (not included).



TECHNICAL DATA

	OEM	ATHENA Ø 50	ATHENA Ø 50 WITH RACING EXHAUST PIPE
CYLINDER BORE	39,86 mm	50 mm	50 mm
STROKE	40 mm	40 mm	40 mm
DISPLACEMENT	50 cc	80 cc	80 cc
COMPRESSION RATIO	11,5:1	15,2:1	15,2:1
WHEEL POWER	7,5 KW / 9,95 HP	12,3 KW / 16,5 HP	13,2 KW / 17,7 HP

POWER CURVES



ATHENA (13,2 kW / 17,7 HP)

Test made with:

- Athena cylinder kit Ø 50 mm;
- Athena Racing exhaust pipe;

ATHENA (12,3 kW / 16,5 HP)

Test made with:

- Athena cylinder kit Ø 50 mm;

OEM (7,5 kW / 9,95 HP)

Test made with stock engine.