

A little choice of "old school" twins	Comparative table / Vergleichstabelle					
	Compression ratio	Bore / Stroke Ratio	init. advance	max advance	max Power/Rating	Power/Liter
Ducati 750 GT (real V90°) 748cc	8.5/1 \varnothing kg/cm ²	80 / 74.4 1.075	7°/ 2000 rpm	38°/ 2600 rpm	55 hp/6500 rpm	73.52 hp/liter
Ducati 860 GTS (real V90°) 864cc	9/1 \varnothing kg/cm ²	86 / 74.4 1.142	7°/ 2000 rpm	35°/ 3200 rpm	65 hp/6500 rpm	75.14 hp/liter
Suzuki VX 800 (virtual V120°) 805cc	10/1 13-16kg/cm ²	83 / 74.4 1.116	5°/1625 rpm	32°/3750 rpm	61 hp/6800 rpm	75.78 hp/liter
Sachs VS 800 GL Roadster (virtual V90°)	10/1 13-16kg/cm ²	83 / 74.4 1.116	5°/1500 rpm	30°/4000 rpm	58 hp/6200 rpm	72.05 hp/liter
Suzuki VS 800 GL Intruder (virtual V90°)	10/1 13-16kg/cm ²	83 / 74.4 1.116	5°/1650 rpm	30°/3500 rpm	50 hp/6000 rpm	62.11 hp/liter
Guzzi le Mans II 850 (real V90°) 844cc	10.2/1 12 kg/cm ²	83 / 78 1.064	8°/1500 rpm	34°/4400 rpm	74 hp/7700 rpm	87.68 hp/liter
Laverda 750 SF (Vert 360°) 744cc	9.5/1 \varnothing kg/cm ²	80 / 74 1.081	\varnothing °/ \varnothing rpm	<36°/ \varnothing rpm	60 hp/6600 rpm	80.64 hp/liter
BMW R90S (Flat 360°) 898cc	9.5/1 \varnothing kg/cm ²	90 / 70.6 1.275	9°/800 rpm	34°/3200 rpm	67 hp/70000 rpm	74.61 hp/liter
BMW R100R (Flat 360°) 980cc	8.5/1 \varnothing kg/cm ²	94 / 70.6 1.331	6°/1500 rpm	32°/3000 rpm	60 hp/6500 rpm	61.22 hp/liter
Norton Commando 961	10/1 \varnothing kg/cm ²	88 / 79 1.114	\varnothing °/ \varnothing rpm	\varnothing °/ \varnothing rpm	80 hp/7700 rpm	83.25 hp/liter

For 10:1 compression ratio, It seems that usual choices for max advance are: 30° for cruisers, 32° for roadsters and 34°/35° for racers. No more 36°!
The programmable Ignition box "IgniTech TCI P4" is a better solution and necessary for Stage 2.

Project	Hypothesis with modified carburation, air filtration and exhaust system					
Sachs Roadster 800 Fr (Clouseau stage 1)	10/1 13-16kg/cm ²	83 / 74.4 1.116	7°/1500 rpm	33°/6000 rpm	63 hp/6800 rpm	78.26 hp/liter
Sachs F805 Café-racer (Clouseau stage 2)	10/1 13-16kg/cm ²	83 / 74.4 1.116	5°/1500 rpm	34°/6000 rpm	68 hp/7500 rpm	83.25 hp/liter

