



# YAMAHA YZ 450F (2009)

RACING & EVOLUTION EXHAUST SYSTEM

The Akrapovic Racing and Evolution Exhaust Systems with their hexagonal mufflers are top of the line products for this motorcycle. They differ only in their selection of tubing material: the Racing uses stainless steel, and the Evolution uses titanium. The increases in power and torque can be clearly seen from dyno measurements and felt on the motocross track. The muffler includes a noise damper for the European market, and an approved spark arrester for the US market. Noise emissions of 94 db are within the new strict regulations. The header pipe features an additional chamber for a better response at lower rpm and for more top end power. You will also save on weight, when compared to stock exhaust systems. We use our exclusive titanium in the production of the Evolution line and a combination of stainless steel and titanium for the Racing line.

**PERFORMANCE**

Measurements of the Akrapovic EVOLUTION system on the YAMAHA YZ 450F (with muffler insert):

Power & Torque: the Akrapovic Racing and Evolution systems provide the increased performance that top riders are looking for. Engine performance is increased throughout the entire rpm range. The power curve is steeper and smoother, and the increases are highest in the low end and top of rpm range. We measured max power output of 48.9 HP at 8611 rpm and max. power increase of 1.7 HP at 8410 rpm. The torque also gets a major boost, which will make riding smoother and faster on the track.



PERFORMANCE					
	stock	AKRAPOVIC		max. increased power	
max. rear wheel power HP / rpm (measured on Dynojet ATV)	47.1 / 8457	48.9 / 8611		1.7 / 8410	
ADDITIONAL DATA					
weight comparison (kg)	stock	AKRAPOVIC		difference	
	4,5	RACING	EVOLUTION	stock - RACING	stock - EVOLUTION
		2.88	2.27	1.62	2.23
noise measurements (dB / rpm)	stock		AKRAPOVIC		
	94 / 4500		94 / 4500		

Technical specifications of Akrapovic exhaust systems and related products subject to change without notice.

Product code: S-Y4MR9-QT racing, S-Y4MET9-QT evolution  
 US market: S-Y4MR9-QTA racing, S-Y4MET9-QTA evolution









