

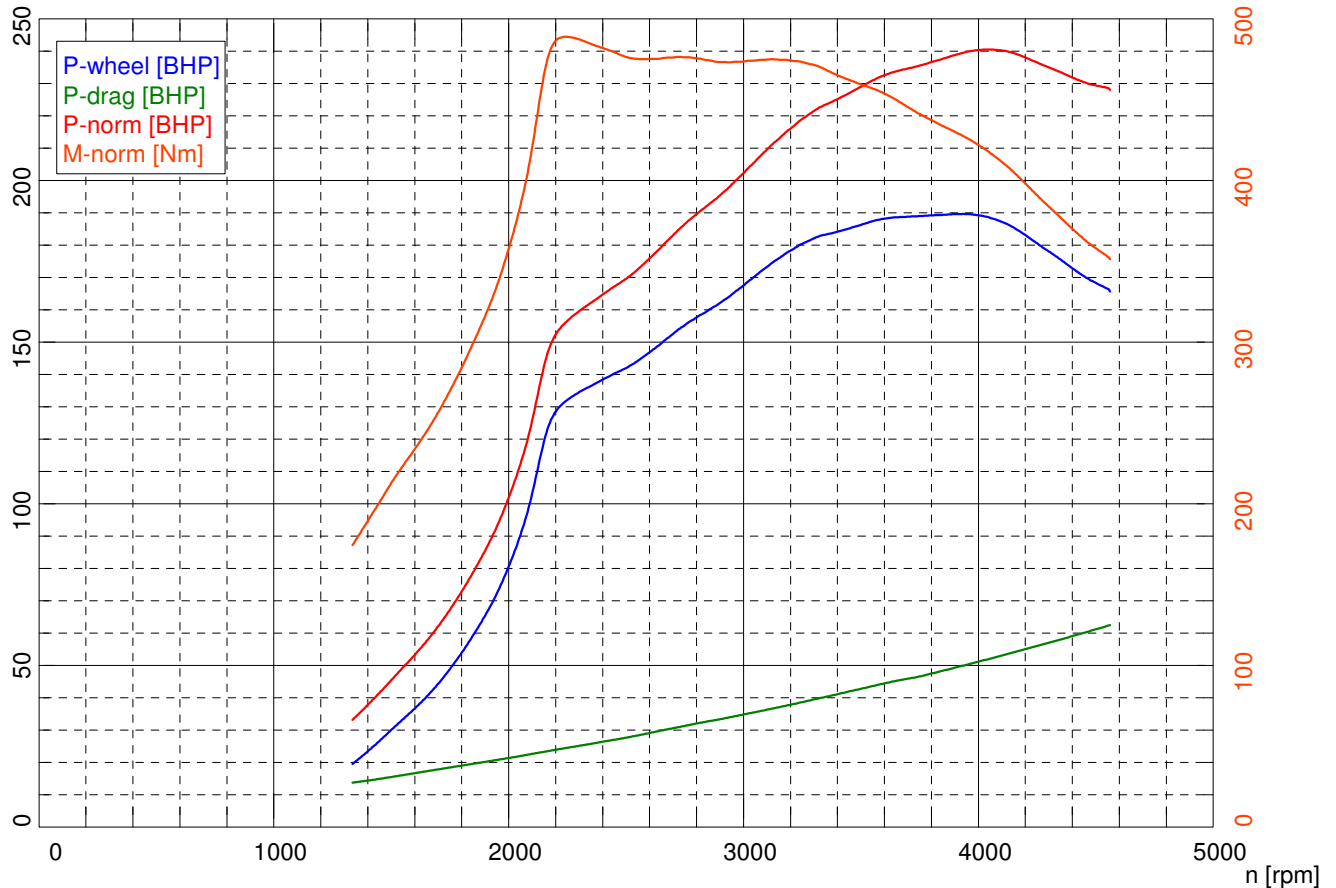
Vehicle type: Alfa Romeo 2.4JTDm
 License plate: P3000BM
 Inspector: Nikolay Nikolov

Diesel-Motor / Turbo charger (air-cooled)
 Manual transmission

Chip tuning

Measurement date: 04.04.2015 (13:01)

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Power data		Ambient data	
Corrected power 1)	P_{Norm} 240.4 BHP / 176.8 kW	Ambient temperature	$T_{Ambient}$ 15.4 °C
Engine power	P_{Eng} 240.4 BHP / 176.8 kW	Intake air temperature	$T_{Intake\ air}$ 13.6 °C
Wheel power	P_{Wheel} 188.6 BHP / 138.7 kW	Relative humidity	H_{Air} 35.7 %
Drag power	P_{Drag} 51.8 BHP / 38.1 kW	Air pressure	p_{Air} 996.1 hPa
Max. power at	4040 rpm / 145.9 km/h	Steam pressure	p_{Steam} 6.2 hPa
Torque 1)	M_{Norm} 488.6 Nm	Oil temperature	T_{Oil} ---- °C
Max. Torque at	2245 rpm / 81.1 km/h	Fuel temperature	T_{Fuel} ---- °C
Max. attained RPM	4560 rpm / 164.9 km/h		
1) Correction acc. to DIN 70020 Correction factors: $Q_v = 0.00\%$			
Slip		Rotating mass	
Speed no load	$v_{no\ load}$ ---- km/h	Average delay run down 1	a_1 ---- m/s ²
RPM no load	$n_{no\ load}$ ---- rpm	Average Brake force run down 1	F_1 ---- N
Speed full load	$v_{full\ load}$ ---- km/h	Average delay run down 2	a_2 ---- m/s ²
RPM full load	$n_{full\ load}$ ---- rpm	Average brake force run down 2	F_2 ---- N
Slip	---- %	Force of the rotating mass	$F_{rot-total}$ ---- N
		Rotating total mass	$m_{rot-total}$ 310.0 kg
		Rotating test stand mass	$m_{rot-dyno}$ 250.0 kg
		Rotating vehicle mass	$m_{rot-vehicle}$ 60.0 kg