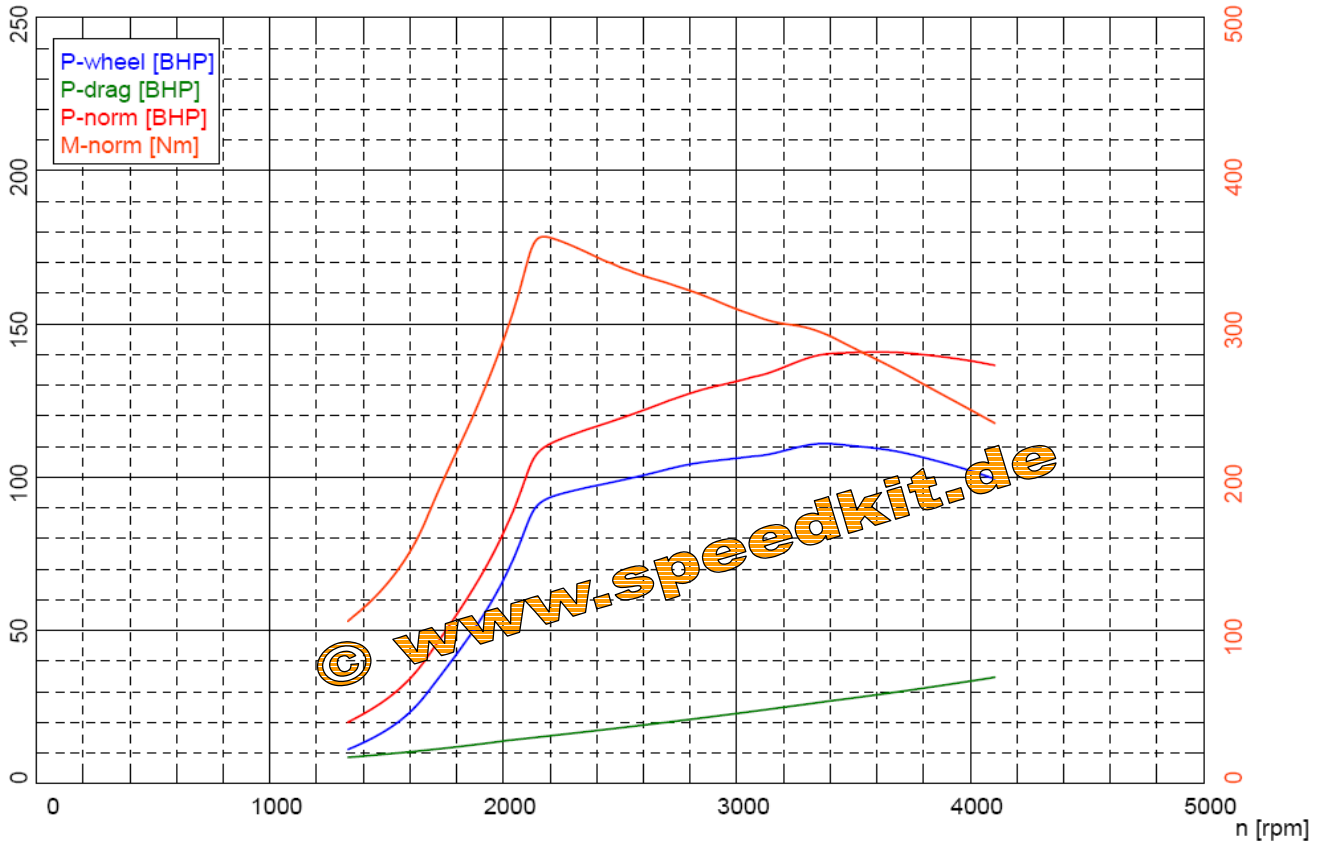


Serialpower - Diagramm CommonRail-engine 103 kW



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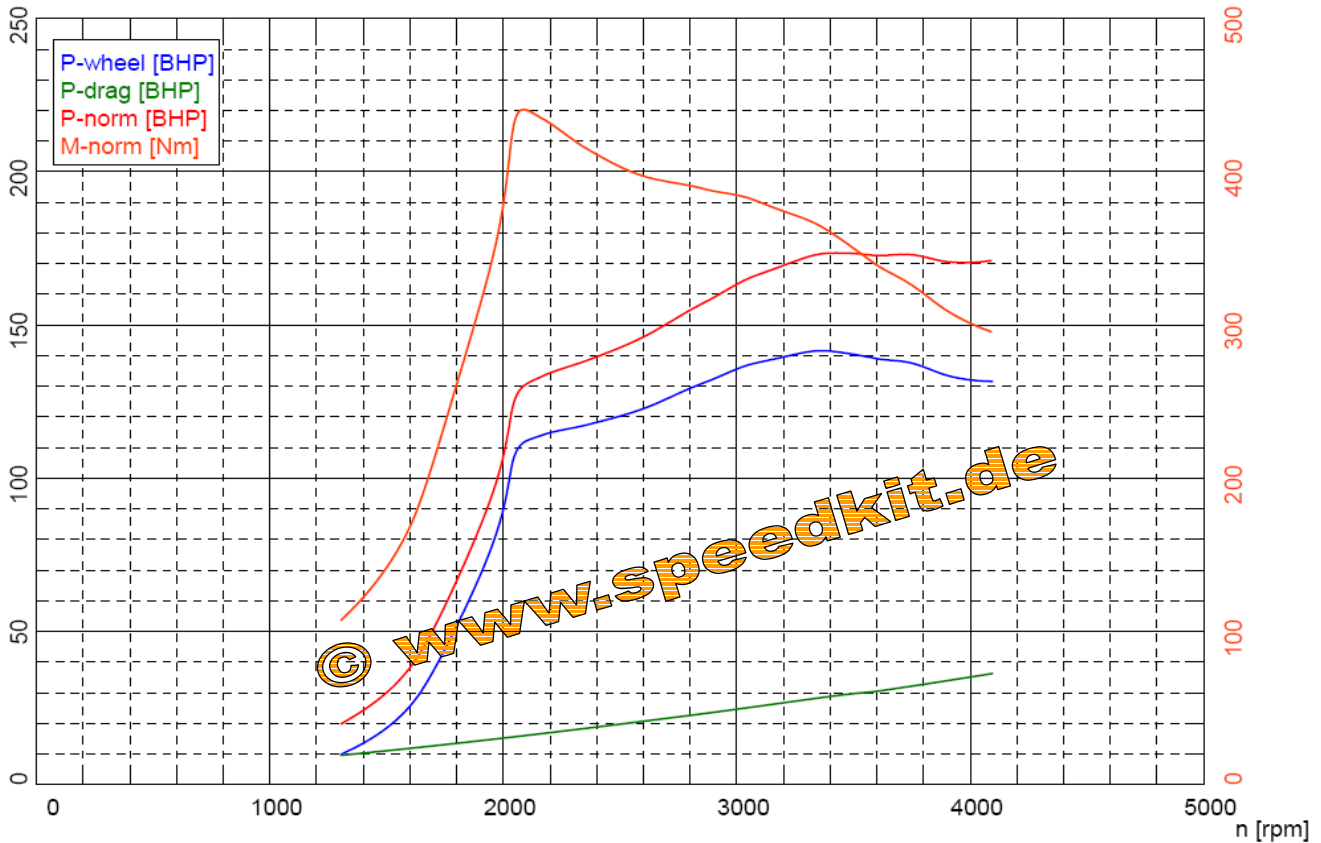
Power data		Ambient data	
Corrected power ¹⁾	P_{Norm} 140.8 BHP / 103.5 kW	Ambient temperature	$T_{Ambient}$ 34.8 °C
Engine power	P_{Eng} 138.3 BHP / 101.7 kW	Intake air temperature	$T_{Intake\ air}$ 34.7 °C
Wheel power	P_{Wheel} 109.1 BHP / 80.2 kW	Relative humidity	H_{Air} 59.8 %
Drag power	P_{Drag} 29.2 BHP / 21.5 kW	Air pressure	p_{Air} 1007.8 hPa
Max. power at	3610 rpm / 125.3 km/h	Steam pressure	p_{Steam} 33.2 hPa
Torque ¹⁾	M_{Morm} 356.9 Nm	Oil temperature	T_{Oil} ---- °C
Max. Torque at	2160 rpm / 75.0 km/h	Fuel temperature	T_{Fuel} ---- °C
Max. attained RPM	4105 rpm / 141.8 km/h		
¹⁾ Correction acc. to SAE J 1349 ($f_m = 0.30$) 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

Speedkitpower - Diagramm CommonRail-engine 103 kW



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Power data		Ambient data	
Corrected power ¹⁾	P_{Norm} 173.4 BHP / 127.6 kW	Ambient temperature	$T_{Ambient}$ 33.9 °C
Engine power	P_{Eng} 170.2 BHP / 125.2 kW	Intake air temperature	$T_{Intake\ air}$ 35.6 °C
Wheel power	P_{Wheel} 141.3 BHP / 103.9 kW	Relative humidity	H_{Air} 62.5 %
Drag power	P_{Drag} 28.9 BHP / 21.3 kW	Air pressure	p_{Air} 1007.9 hPa
Max. power at	3400 rpm / 118.5 km/h	Steam pressure	p_{Steam} 33.0 hPa
Torque ¹⁾	M_{Mom} 440.5 Nm	Oil temperature	T_{Oil} ---- °C
Max. Torque at	2075 rpm / 72.3 km/h	Fuel temperature	T_{Fuel} ---- °C
Max. attained RPM	4095 rpm / 141.9 km/h		
¹⁾ Correction acc. to SAE J 1349 ($f_m = 0.30$) 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