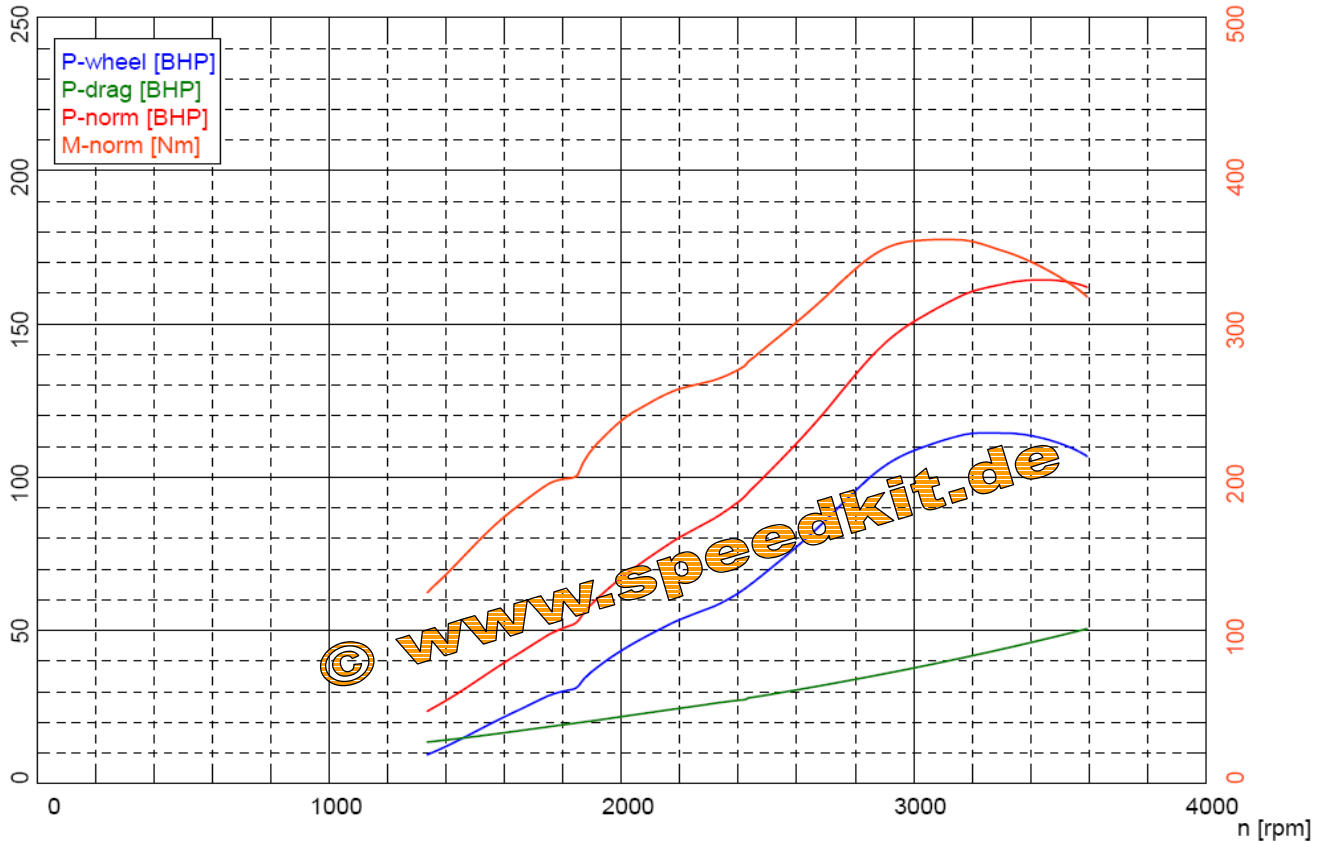


Serialpower - Diagramm CommonRail-engine 120 kW



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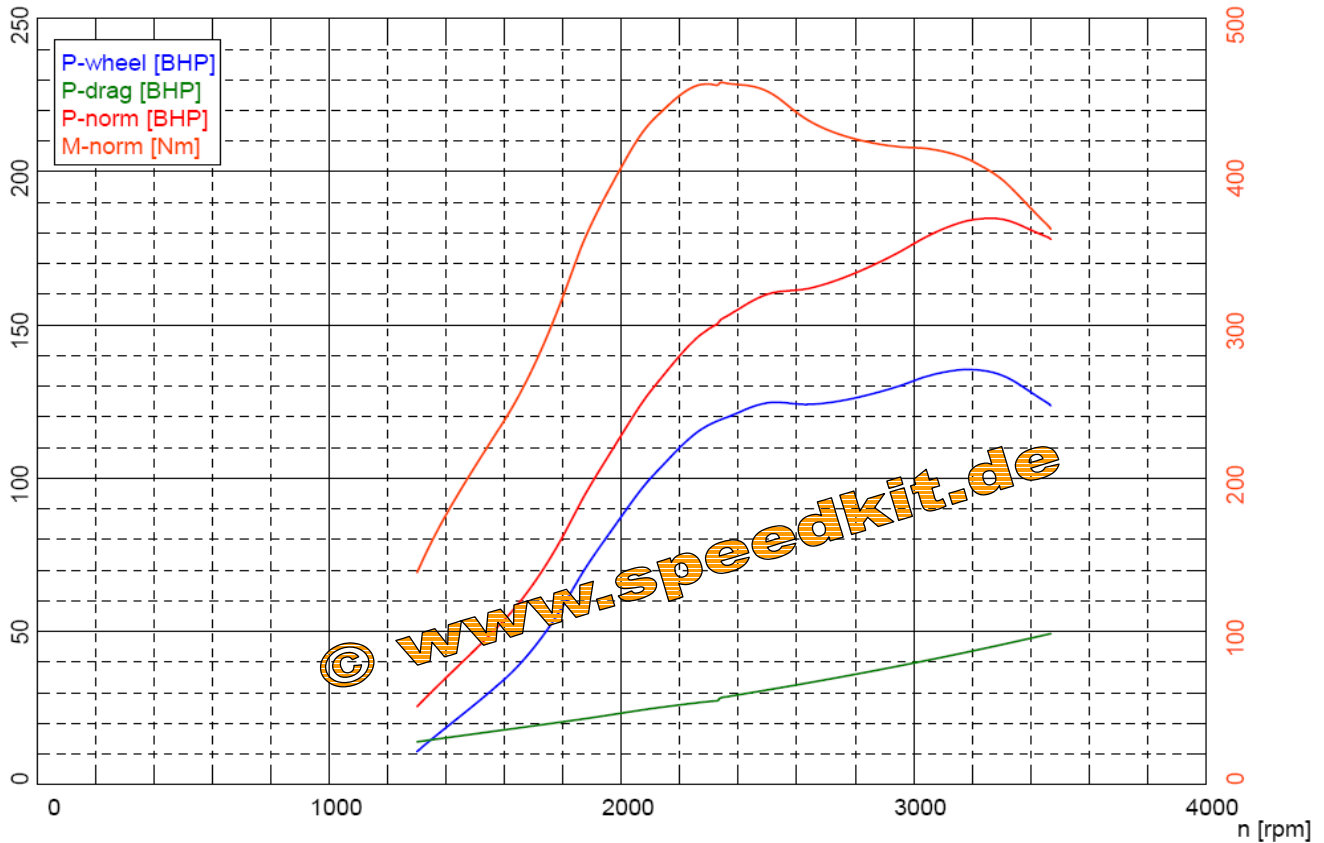
Power data		Ambient data	
Corrected power 1)	P_{Norm} 164.3 BHP / 120.9 kW	Ambient temperature	$T_{Ambient}$ 34.2 °C
Engine power	P_{Eng} 159.6 BHP / 117.4 kW	Intake air temperature	$T_{Intake\ air}$ 40.1 °C
Wheel power	P_{Wheel} 113.0 BHP / 83.1 kW	Relative humidity	H_{Air} 37.7 %
Drag power	P_{Drag} 46.6 BHP / 34.3 kW	Air pressure	p_{Air} 1010.6 hPa
Max. power at	3420 rpm / 126.9 km/h	Steam pressure	p_{Steam} 20.3 hPa
Torque 1)	M_{Morm} 355.0 Nm	Oil temperature	T_{Oil} --- °C
Max. Torque at	3110 rpm / 115.4 km/h	Fuel temperature	T_{Fuel} --- °C
Max. attained RPM	3595 rpm / 133.2 km/h		
1) Correction acc. to SAE J 1349 Correction factors: $Q_v = 0.00\%$, $P_{VA} = 0.00$ BHP			
Slip		Rotating mass	
Speed no load	$V_{no\ load}$ --- km/h	a_{1-FA} --- m/s ²	a_{1-RA} --- m/s ²
RPM no load	$n_{no\ load}$ --- rpm	F_{1-FA} --- N	F_{1-RA} --- N
Speed full load	$V_{full\ load}$ --- km/h	a_{2-FA} --- m/s ²	a_{2-RA} --- m/s ²
RPM full load	$n_{full\ load}$ --- rpm	F_{2-FA} --- N	F_{2-RA} --- N
Slip	--- %	$F_{rot-total-FA}$ --- N	$F_{rot-total-RA}$ --- N
		$m_{rot-total-FA}$ 310.0 kg	$m_{rot-total-RA}$ 310.0 kg
		$m_{rot-dyno-FA}$ 250.0 kg	$m_{rot-dyno-RA}$ 250.0 kg
		$m_{rot-vehicle-FA}$ 60.0 kg	$m_{rot-vehicle-RA}$ 60.0 kg

Speedkitpower - Diagramm CommonRail-engine 120 kW



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Power data		Ambient data	
Corrected power ¹⁾	P_{Norm} 184.7 BHP / 135.9 kW	Ambient temperature	$T_{Ambient}$ 34.2 °C
Engine power	P_{Eng} 179.5 BHP / 132.0 kW	Intake air temperature	$T_{Intake\ air}$ 40.1 °C
Wheel power	P_{Wheel} 134.6 BHP / 99.0 kW	Relative humidity	H_{Air} 37.3 %
Drag power	P_{Drag} 44.9 BHP / 33.0 kW	Air pressure	p_{Air} 1010.6 hPa
Max. power at	3250 rpm / 121.0 km/h	Steam pressure	p_{Steam} 20.1 hPa
Torque ¹⁾	M_{Morm} 458.3 Nm	Oil temperature	T_{Oil} --- °C
Max. Torque at	2330 rpm / 86.7 km/h	Fuel temperature	T_{Fuel} --- °C
Max. attained RPM	3470 rpm / 128.7 km/h		
¹⁾ Correction acc. to SAE J 1349 Correction factors: $Q_v = 0.00\%$, $P_{VA} = 0.00$ BHP			
Slip		Rotating mass	
Speed no load	$V_{no\ load}$ --- km/h	a_{1-FA} --- m/s ²	a_{1-RA} --- m/s ²
RPM no load	$n_{no\ load}$ --- rpm	F_{1-FA} --- N	F_{1-RA} --- N
Speed full load	$V_{full\ load}$ --- km/h	a_{2-FA} --- m/s ²	a_{2-RA} --- m/s ²
RPM full load	$n_{full\ load}$ --- rpm	F_{2-FA} --- N	F_{2-RA} --- N
Slip	--- %	$F_{rot-total-FA}$ --- N	$F_{rot-total-RA}$ --- N
		$m_{rot-total-FA}$ 310.0 kg	$m_{rot-total-RA}$ 310.0 kg
		$m_{rot-dyno-FA}$ 250.0 kg	$m_{rot-dyno-RA}$ 250.0 kg
		$m_{rot-vehicle-FA}$ 60.0 kg	$m_{rot-vehicle-RA}$ 60.0 kg