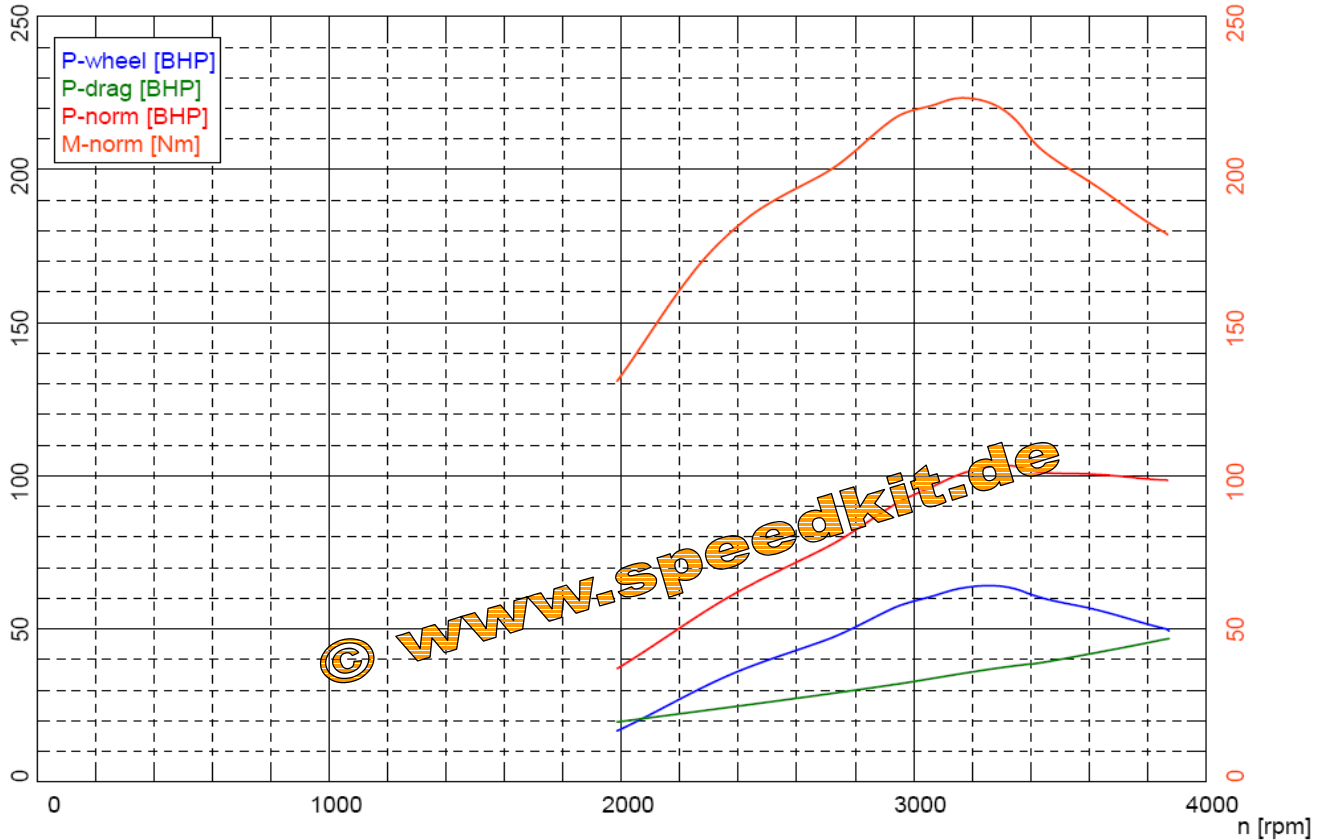


Serialpower - Diagramm CommonRail-engine 82 kW



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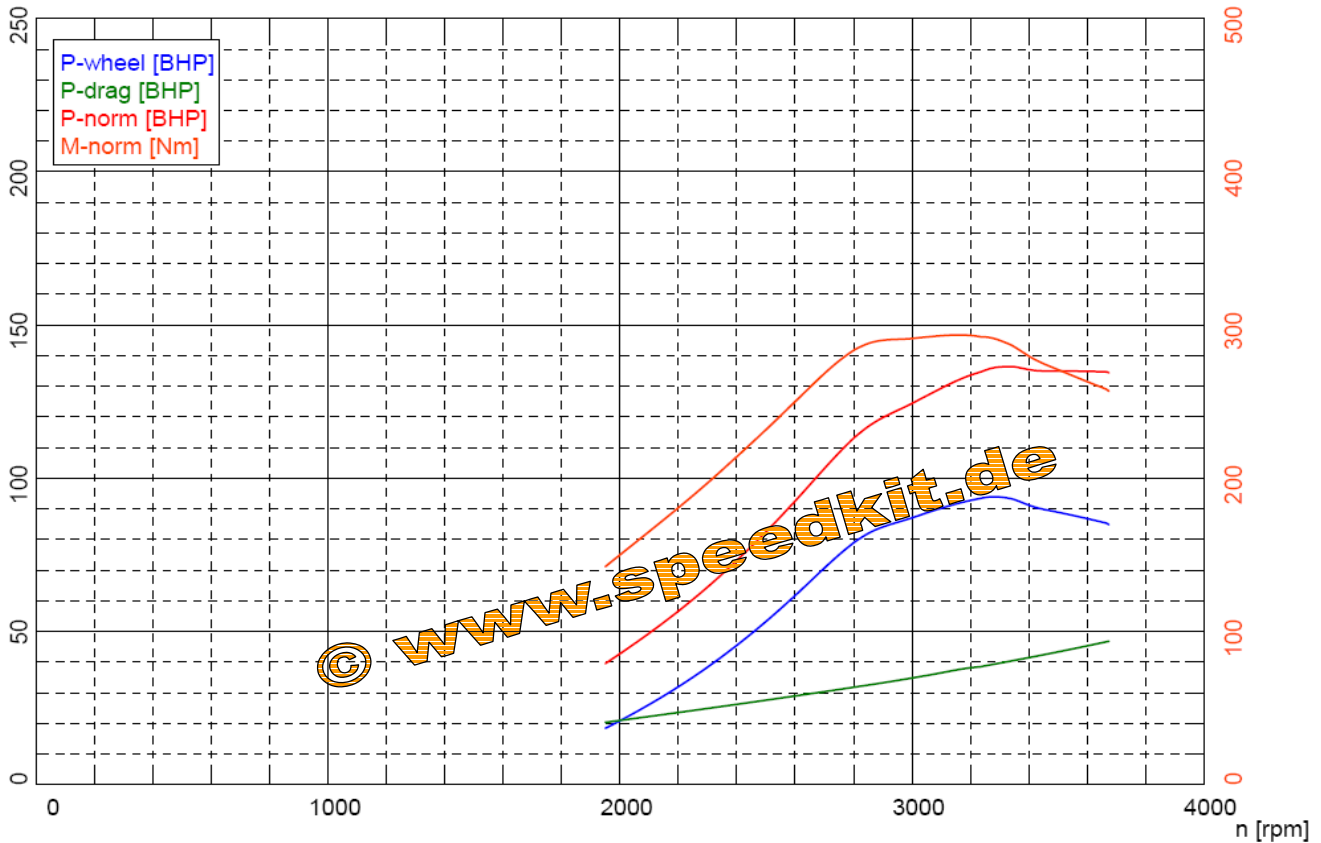
Power data		Ambient data	
Corrected power 1)	P_{Norm} 103.4 BHP / 76.0 kW	Ambient temperature	$T_{Ambient}$ 29.9 °C
Engine power	P_{Eng} 101.3 BHP / 74.5 kW	Intake air temperature	$T_{Intake\ air}$ 29.4 °C
Wheel power	P_{Wheel} 63.8 BHP / 46.9 kW	Relative humidity	H_{Air} 83.1 %
Drag power	P_{Drag} 37.5 BHP / 27.5 kW	Air pressure	p_{Air} 1005.4 hPa
Max. power at	3310 rpm / 106.6 km/h	Steam pressure	p_{Steam} 35.0 hPa
Torque 1)	M_{Morm} 223.4 Nm	Oil temperature	T_{Oil} --- °C
Max. Torque at	3175 rpm / 102.3 km/h	Fuel temperature	T_{Fuel} --- °C
Max. attained RPM	3875 rpm / 124.9 km/h		
1) Correction acc. to DIN 70020 Correction factors: $Q_y = 0.00$ %			
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
		$m_{rot-total-FA}$ 320.0 kg	$m_{rot-total-RA}$ 320.0 kg
		$m_{rot-dyno-FA}$ 250.0 kg	$m_{rot-dyno-RA}$ 250.0 kg
		$m_{rot-vehicle-FA}$ 70.0 kg	$m_{rot-vehicle-RA}$ 70.0 kg

Speedkitpower - Diagramm CommonRail-engine 82 kW



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Power data		Ambient data	
Corrected power ¹⁾	P_{Norm} 136.4 BHP / 100.3 kW	Ambient temperature	$T_{Ambient}$ 29.5 °C
Engine power	P_{Eng} 133.6 BHP / 98.3 kW	Intake air temperature	$T_{Intake\ air}$ 29.6 °C
Wheel power	P_{Wheel} 93.4 BHP / 68.7 kW	Relative humidity	H_{Air} 83.8 %
Drag power	P_{Drag} 40.2 BHP / 29.6 kW	Air pressure	p_{Air} 1005.5 hPa
Max. power at	3335 rpm / 108.5 km/h	Steam pressure	p_{Steam} 34.5 hPa
Torque ¹⁾	M_{Morm} 293.4 Nm	Oil temperature	T_{Oil} --- °C
Max. Torque at	3169 rpm / 102.8 km/h	Fuel temperature	T_{Fuel} --- °C
Max. attained RPM	3675 rpm / 119.7 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	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
		$m_{rot-total-FA}$ 320.0 kg	$m_{rot-total-RA}$ 320.0 kg
		$m_{rot-dyno-FA}$ 250.0 kg	$m_{rot-dyno-RA}$ 250.0 kg
		$m_{rot-vehicle-FA}$ 70.0 kg	$m_{rot-vehicle-RA}$ 70.0 kg