

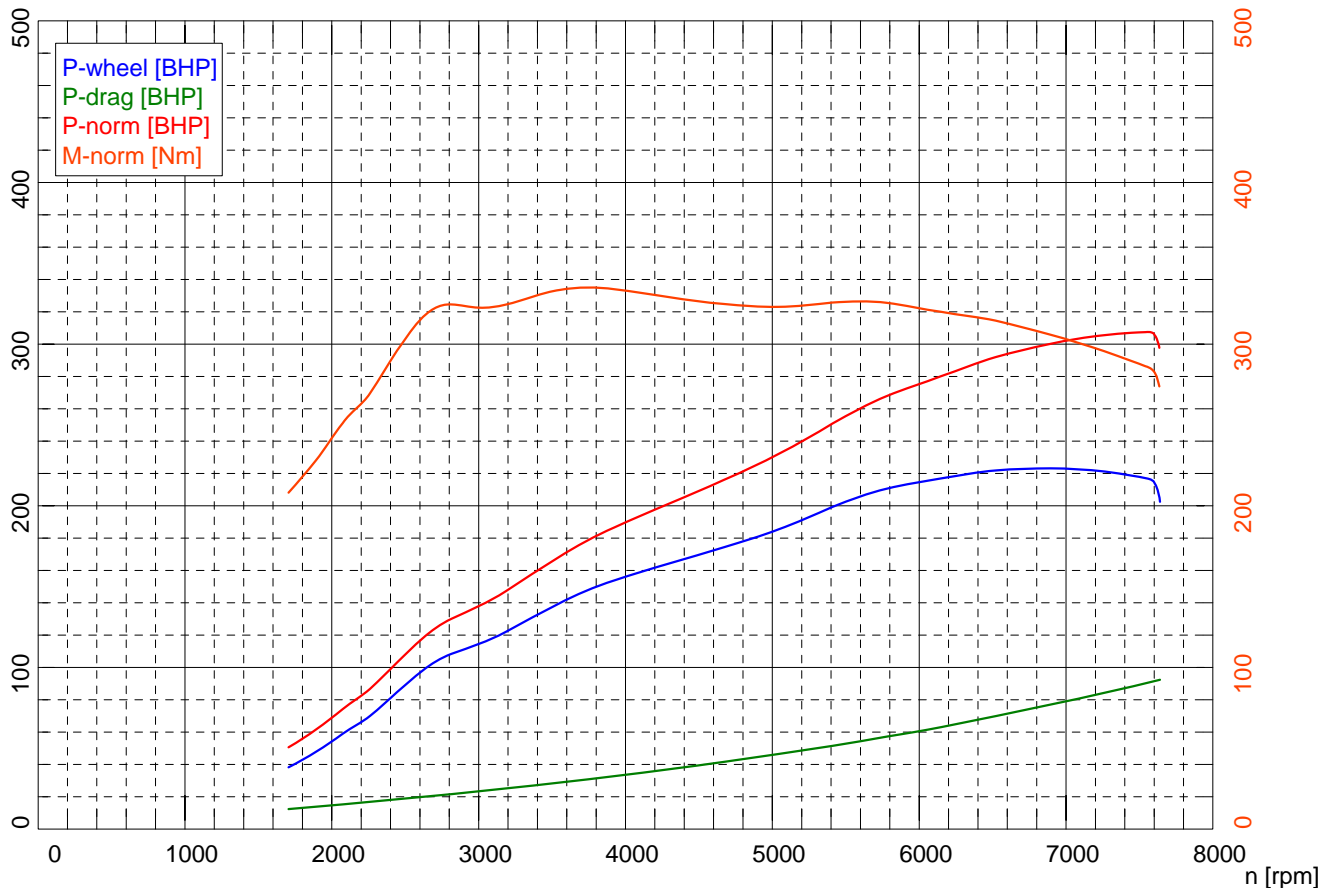
Vehicle type: BMW Z3 M COUPE
 License plate: J5M GO
 Inspector: COOKSON

Otto-Motor / No or mechanical charger
 Manual transmission
 Rear drive

POWER RUN - STANDARD

Measurement date: 07.09.2007 (9:16)

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Power data

Corrected power 1)	P_{Norm}	307.4 BHP / 226.1 kW
Engine power	P_{Eng}	307.2 BHP / 226.0 kW
Wheel power	P_{Wheel}	216.4 BHP / 159.2 kW
Drag power	P_{Drag}	90.8 BHP / 66.8 kW
Max. power at		7570 rpm / 222.2 km/h
Torque 1)	M_{Norm}	334.9 Nm
Max. Torque at		3780 rpm / 110.9 km/h
Max. attained RPM		7640 rpm / 224.3 km/h

1) Correction acc. to DIN 70020
 Correction factors: $Q_v = 0.00\%$

Ambient data

Ambient temperature	$T_{Ambient}$	20.5 °C
Intake air temperature	$T_{Intake\ air}$	21.8 °C
Relative humidity	H_{Air}	64.9 %
Air pressure	p_{Air}	1015.3 hPa
Steam pressure	p_{Steam}	15.7 hPa
Oil temperature	T_{Oil}	19.0 °C
Fuel temperature	T_{Fuel}	---- °C

Slip

Speed no load	$V_{no\ load}$	---- km/h
RPM no load	$n_{no\ load}$	---- rpm
Speed full load	$V_{full\ load}$	---- km/h
RPM full load	$n_{full\ load}$	---- rpm
Slip		---- %

Rotating mass

Average delay run down 1	a_1	---- m/s ²
Average Brake force run down 1	F_1	---- N
Average delay run down 2	a_2	---- m/s ²
Average brake force run down 2	F_2	---- N
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