

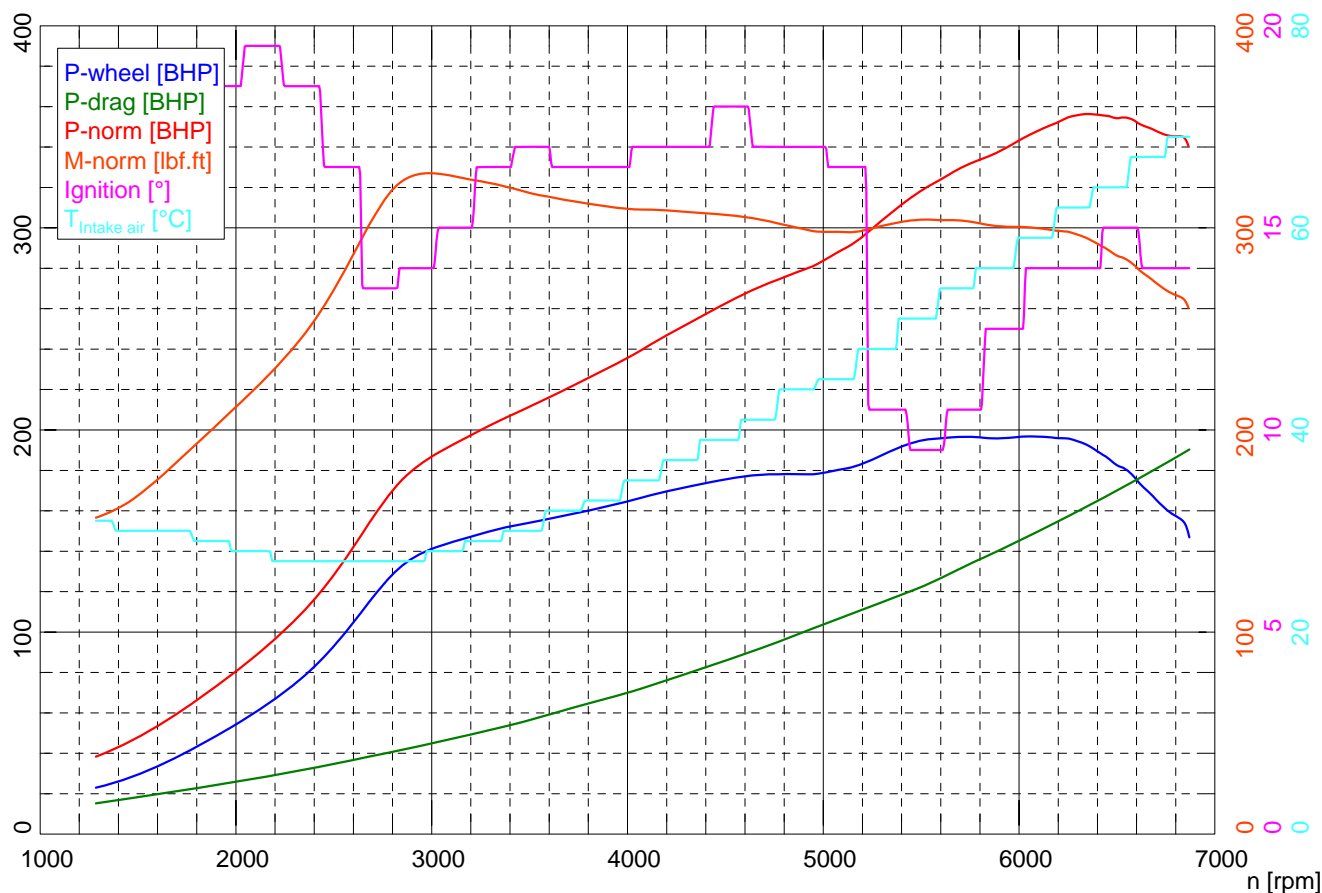
Vehicle type: AUDI RS4
License plate: J5MGO
Inspector: COOKSON

Otto-Motor / Turbo charger (water-cooled)
Manual transmission
4 wheel drive

SCORPION CAT BACK EXHAUST, K&N INDUCTION

Measurement date: 21.07.2011 (11:46)

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Power data

Corrected power ¹⁾ P_{Norm} 356.3 BHP / 265.7 kW
Engine power P_{Eng} 354.6 BHP / 264.4 kW
Wheel power P_{Wheel} 192.5 BHP / 143.6 kW
Drag power P_{Drag} 162.0 BHP / 120.8 kW
Max. power at 6345 rpm / 142.7 mph
Torque ¹⁾ M_{Norm} 326.9 lb.ft
Max. Torque at 3000 rpm / 67.4 mph
Max. attained RPM 6870 rpm / 154.5 mph

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

Ambient data

Ambient temperature $T_{Ambient}$ 21.7 °C
Intake air temperature $T_{Intake\ air}$ 23.5 °C
Relative humidity H_{Air} 68.6 %
Air pressure p_{Air} 1014.2 hPa
Steam pressure p_{Steam} 17.8 hPa
Oil temperature T_{Oil} 21.0 °C
Fuel temperature T_{Fuel} ---- °C

Slip

Speed no load $v_{no\ load}$ ---- mph
RPM no load $n_{no\ load}$ ---- rpm
Speed full load $v_{full\ load}$ ---- mph
RPM full load $n_{full\ load}$ ---- rpm
Slip ---- %

Rotating mass

a_{1-FA} ---- m/s² a_{1-RA} ---- m/s²
 F_{1-FA} ---- lbf F_{1-RA} ---- lbf
 a_{2-FA} ---- m/s² a_{2-RA} ---- m/s²
 F_{2-FA} ---- lbf F_{2-RA} ---- lbf
 $F_{rot-total-FA}$ ---- lbf $F_{rot-total-RA}$ ---- lbf
 $m_{rot-total-FA}$ 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