

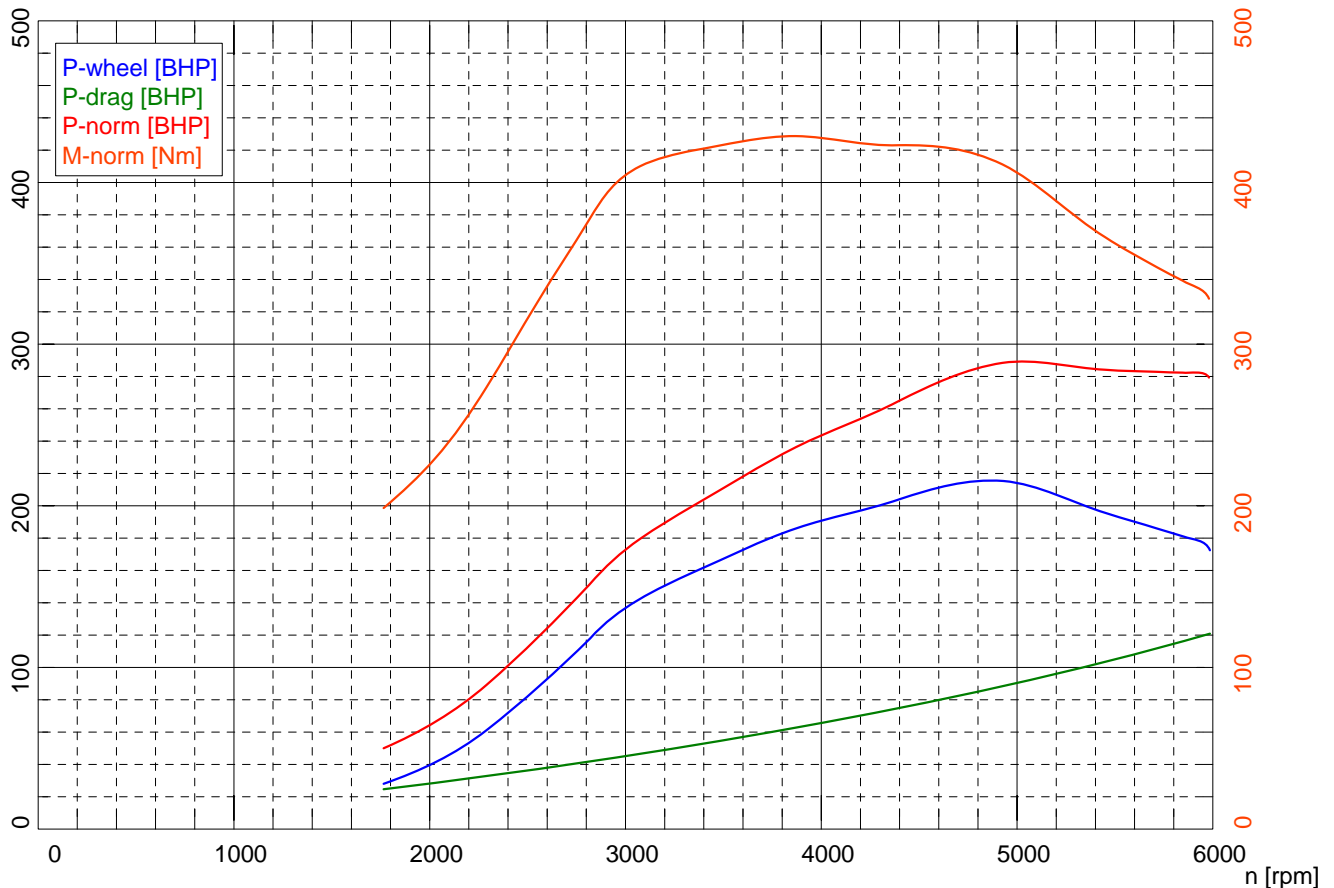
Vehicle type: IMPREZA WRX 2.5
 License plate:
 Inspector: RICH

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

ECUTEK, MILLTEK, FILTER

Measurement date: 21.12.2006 (14:41)

Page 1



Power data

Corrected power 1)	P_{Norm}	289.2 BHP / 212.7 kW
Engine power	P_{Eng}	304.4 BHP / 223.9 kW
Wheel power	P_{Wheel}	213.1 BHP / 156.7 kW
Drag power	P_{Drag}	91.3 BHP / 67.2 kW
Max. power at		5035 rpm / 142.7 km/h
Torque 1)	M_{Norm}	428.6 Nm
Max. Torque at		3860 rpm / 109.4 km/h
Max. attained RPM		5985 rpm / 169.6 km/h

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

Ambient data

Ambient temperature	$T_{Ambient}$	9.0 °C
Intake air temperature	$T_{Intake\ air}$	9.4 °C
Relative humidity	H_{Air}	66.5 %
Air pressure	p_{Air}	1047.1 hPa
Steam pressure	p_{Steam}	7.6 hPa
Oil temperature	T_{Oil}	8.0 °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

a_{1-FA}	---- m/s ²	a_{1-RA}	---- m/s ²
F_{1-FA}	---- N	F_{1-RA}	---- N
a_{2-FA}	---- m/s ²	a_{2-RA}	---- m/s ²
F_{2-FA}	---- N	F_{2-RA}	---- N
$F_{rot-total-FA}$	---- 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