

Vehicle type: IMPREZA 2.0l twinscroll
 License plate:
 Inspector: RICH

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

TURBO, 650CC INJECTORS

Measurement date: 29.09.2006 (14:12)

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Power data

Corrected power 1)	P_{Norm}	398.4 BHP / 293.0 kW
Engine power	P_{Eng}	383.8 BHP / 282.3 kW
Wheel power	P_{Wheel}	225.6 BHP / 165.9 kW
Drag power	P_{Drag}	158.2 BHP / 116.3 kW
Max. power at		6980 rpm / 210.5 km/h
Torque 1)	M_{Norm}	526.3 Nm
Max. Torque at		3765 rpm / 113.6 km/h
Max. attained RPM		7245 rpm / 218.5 km/h

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

Ambient data

Ambient temperature	$T_{Ambient}$	22.0 °C
Intake air temperature	$T_{Intake\ air}$	22.7 °C
Relative humidity	H_{Air}	65.1 %
Air pressure	p_{Air}	980.2 hPa
Steam pressure	p_{Steam}	17.2 hPa
Oil temperature	T_{Oil}	21.0 °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