

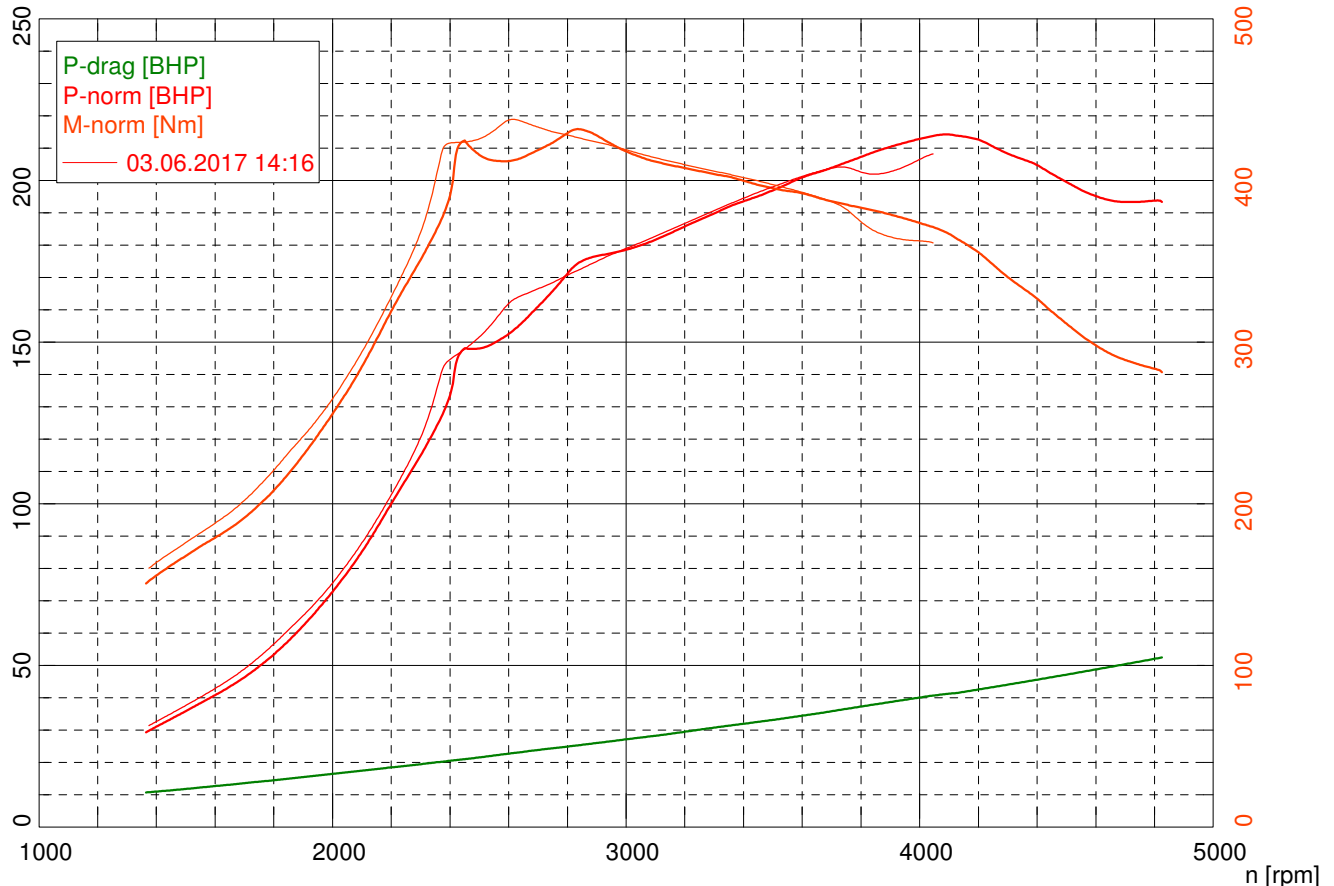
Vehicle type: Fiat Croma 1.9JTDm
 License plate: KH3677BK
 Inspector: Nikolay Nikolov

Diesel-Motor / Turbo charger (air-cooled)
 Manual transmission

Chip Tuning GT1752 Hybrid Turbo
 DPF/EGR/SWIRL Removed

Measurement date: 03.06.2017 (14:05)

Page 1



Power data

Corrected power 1)	P_{Norm}	214.1 BHP / 157.5 kW
Engine power	P_{Eng}	210.8 BHP / 155.0 kW
Wheel power	P_{Wheel}	169.7 BHP / 124.8 kW
Drag power	P_{Drag}	41.1 BHP / 30.2 kW
Max. power at		4090 rpm / 138.6 km/h
Torque 1)	M_{Norm}	431.5 Nm
Max. Torque at		2835 rpm / 96.2 km/h
Max. attained RPM		4825 rpm / 163.7 km/h

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

Ambient data

Ambient temperature	$T_{Ambient}$	24.0 °C
Intake air temperature	$T_{Intake\ air}$	21.9 °C
Relative humidity	H_{Air}	72.4 %
Air pressure	p_{Air}	993.9 hPa
Steam pressure	p_{Steam}	21.6 hPa
Oil temperature	T_{Oil}	---- °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