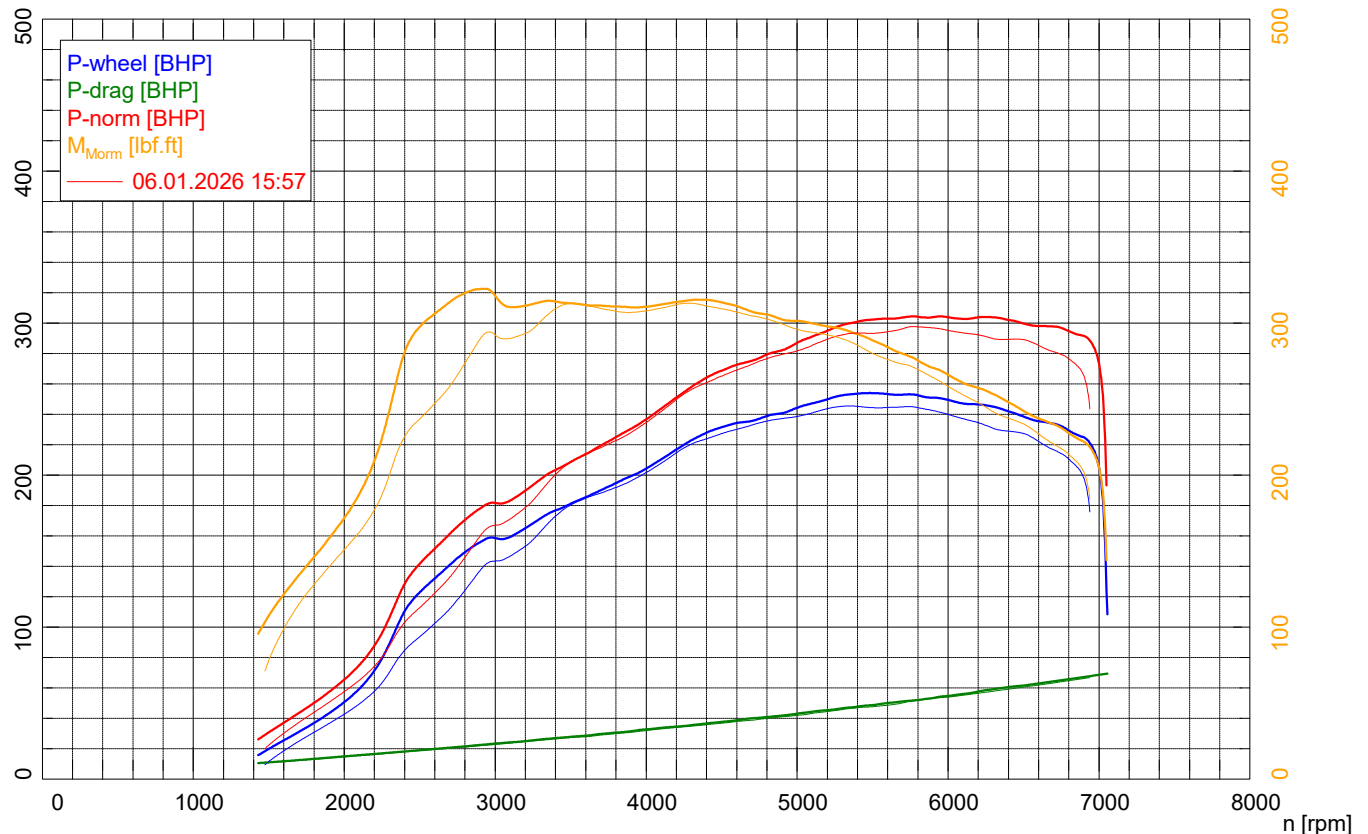


Vehicle type: VW GOLF GTI MK7
License plate: TEGIWA
Inspector: MATT

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

STOCK VS RAMAIR



Power data

Corrected power ¹⁾ P_{Norm} 304.2 BHP / 226.9 kW
 Engine power P_{Eng} 304.5 BHP / 227.1 kW
 Wheel power P_{Wheel} 250.4 BHP / 186.7 kW
 Drag power P_{Drag} 54.1 BHP / 40.3 kW
 Max. power at 5945 rpm / 117.8 mph
 Torque ¹⁾ M_{Morm} 322.4 lb.ft
 Max. Torque at 2940 rpm / 58.3 mph
 Max. attained RPM 7055 rpm / 139.8 mph

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

Ambient data

Ambient temperature $T_{Ambient}$ 9.9 °C
 Intake air temperature $T_{Intake\ air}$ 9.6 °C
 Relative humidity H_{Air} 53.4 %
 Air pressure p_{Air} 995.7 hPa
 Steam pressure p_{Steam} 6.5 hPa
 Oil temperature T_{Oil} ---- °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

Average delay run down 1 a_1 ---- m/s²
 Average Brake force run down 1 F_1 ---- lbf
 Average delay run down 2 a_2 ---- m/s²
 Average brake force run down 2 F_2 ---- lbf
 Force of the rotating mass $F_{rot-total}$ ---- lbf
 Rotating total mass $m_{rot-total}$ 683.4 lb
 Rotating test stand mass $m_{rot-dyno}$ 573.2 lb
 Rotating vehicle mass $m_{rot-vehicle}$ 110.2 lb