

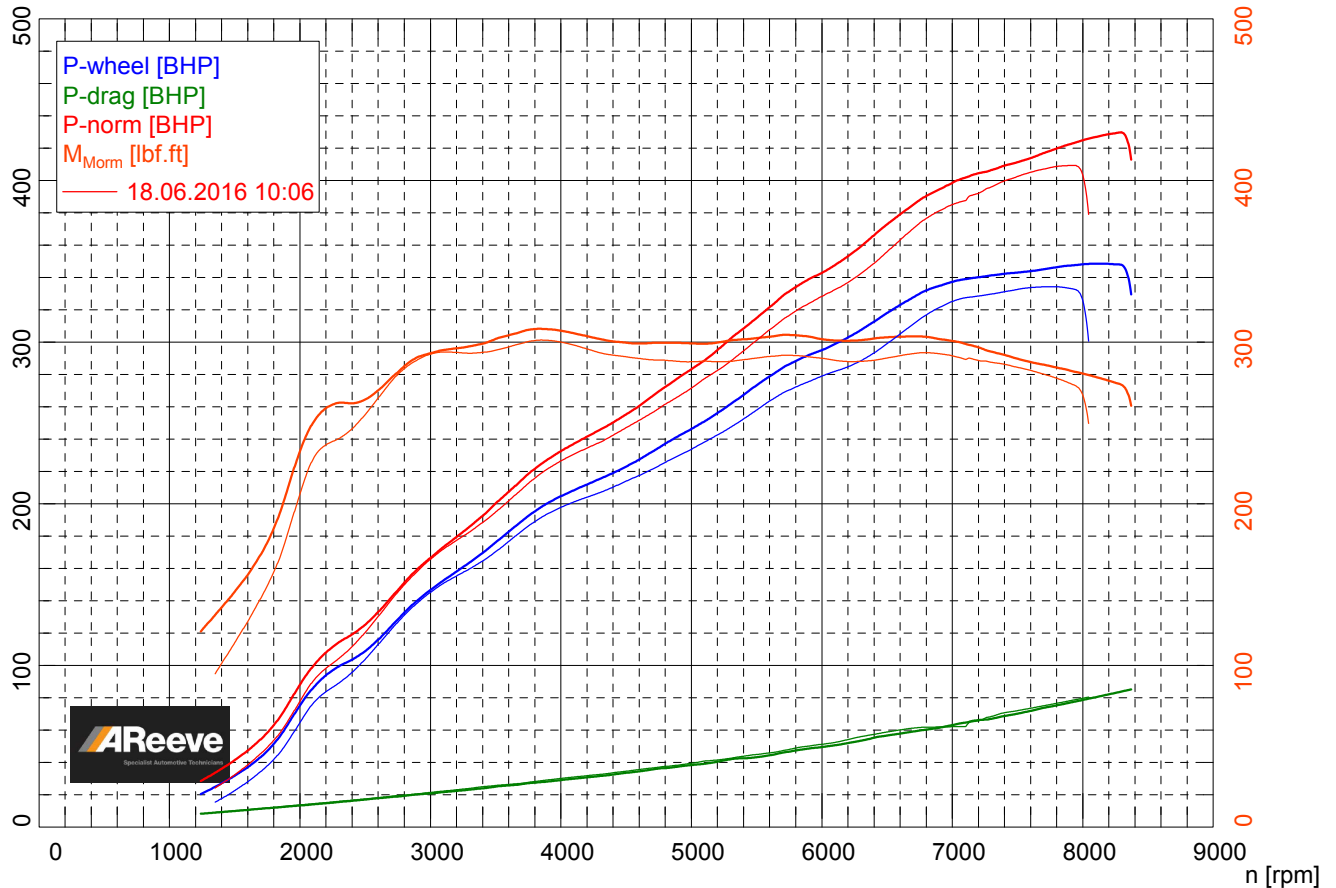
Vehicle type: BMW E92 M3
License plate: ECU WORX
Inspector: AR

Otto-Motor / No or mechanical charger
Manual transmission

STAGE 1

Measurement date: 18.06.2016 (15:34)

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Power data

| | | |
|--------------------|-------------|----------------------|
| Corrected power 1) | P_{Norm} | 429,6 BHP / 320,3 kW |
| Engine power | P_{Eng} | 431,3 BHP / 321,7 kW |
| Wheel power | P_{Wheel} | 347,7 BHP / 259,3 kW |
| Drag power | P_{Drag} | 83,6 BHP / 62,4 kW |
| Max. power at | | 8250 rpm / 165,1 mph |
| Torque 1) | M_{Mom} | 308,0 lbf.ft |
| Max. Torque at | | 3825 rpm / 76,5 mph |
| Max. attained RPM | | 8370 rpm / 166,8 mph |

1) Correction acc. to DIN 70020
Correction factors: $Q_v = 0,00 \%$

Ambient data

| | | |
|------------------------|-------------------|------------|
| Ambient temperature | $T_{Ambient}$ | 14,8 °C |
| Intake air temperature | $T_{Intake\ air}$ | 20,4 °C |
| Relative humidity | H_{Air} | 53,5 % |
| Air pressure | p_{Air} | 1017,9 hPa |
| Steam pressure | p_{Steam} | 9,0 hPa |
| Oil temperature | T_{Oil} | 79,0 °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

| | | |
|--------------------------------|-------------------|------------------------|
| Average delay run down 1 | a_1 | ---,- m/s ² |
| Average Brake force run down 1 | F_1 | ---,- lbf |
| Average delay run down 2 | a_2 | ---,- m/s ² |
| Average brake force run down 2 | F_2 | ---,- lbf |
| Force of the rotating mass | $F_{rot-total}$ | ---,- lbf |
| Rotating total mass | $m_{rot-total}$ | 705,5 lb |
| Rotating test stand mass | $m_{rot-dyno}$ | 551,2 lb |
| Rotating vehicle mass | $m_{rot-vehicle}$ | 154,3 lb |