



VEHICLE PERFORMANCE CENTRE

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MSR 500

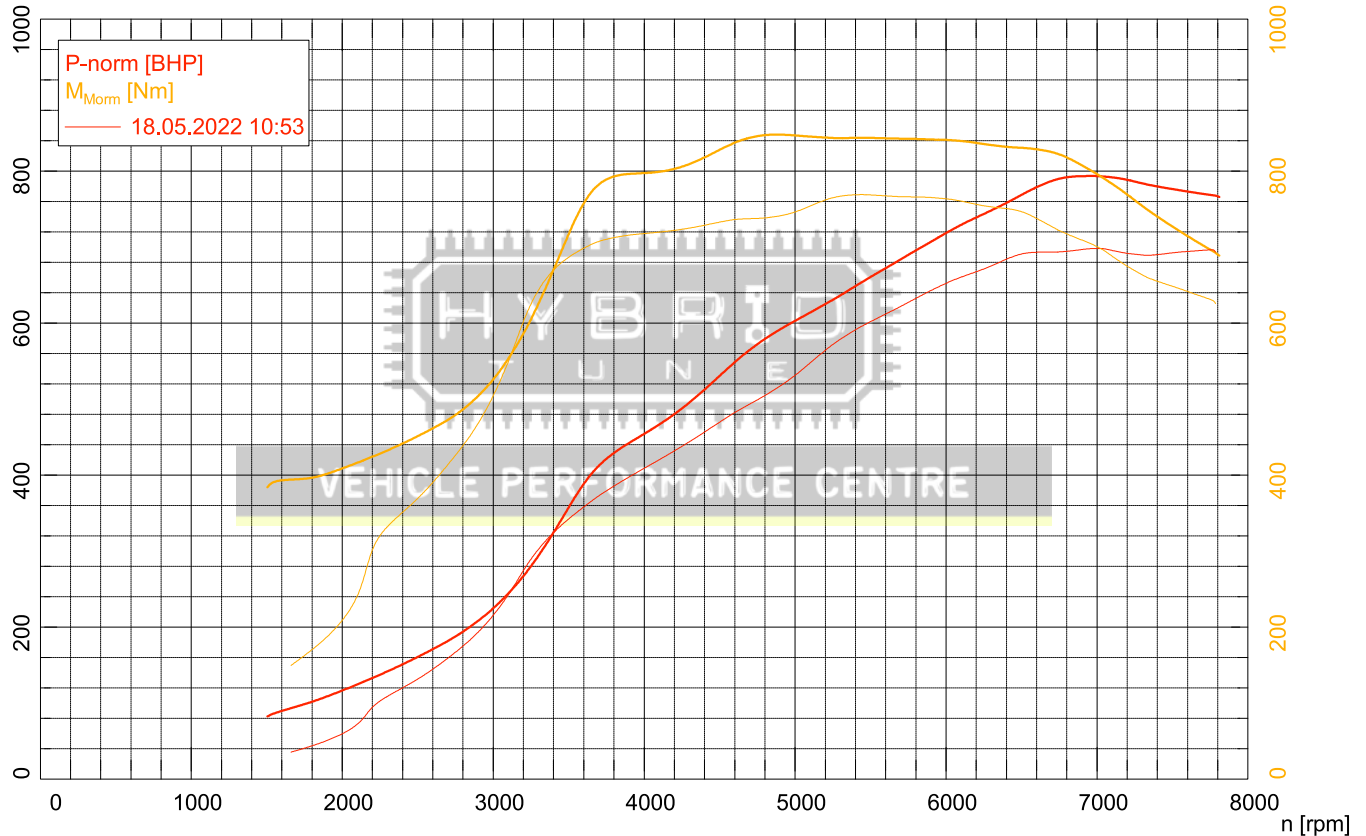
Vehicle type: McLaren 720s
 License plate:
 Inspector: MW

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

HT800 Calibration

Measurement date: 20.06.2022 (13:39)

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Power data

Corrected power ¹⁾	P_{Norm}	793,0 BHP / 583,3 kW
Engine power	P_{Eng}	805,7 BHP / 592,6 kW
Wheel power	P_{Wheel}	683,7 BHP / 502,9 kW
Drag power	P_{Drag}	121,9 BHP / 89,7 kW
Max. power at		6965 rpm / 227,2 km/h
Torque ¹⁾	M_{Mom}	847,5 Nm
Max. Torque at		4875 rpm / 158,9 km/h
Max. attained RPM		7815 rpm / 255,0 km/h

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

Ambient data

Ambient temperature	$T_{Ambient}$	28,7 °C
Intake air temperature	$T_{Intake\ air}$	25,5 °C
Relative humidity	H_{Air}	54,7 %
Air pressure	p_{Air}	1038,8 hPa
Steam pressure	p_{Steam}	21,5 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	$m_{rot-total}$	355,0 kg
Rotating test stand mass	$m_{rot-dyno}$	285,0 kg
Rotating vehicle mass	$m_{rot-vehicle}$	70,0 kg