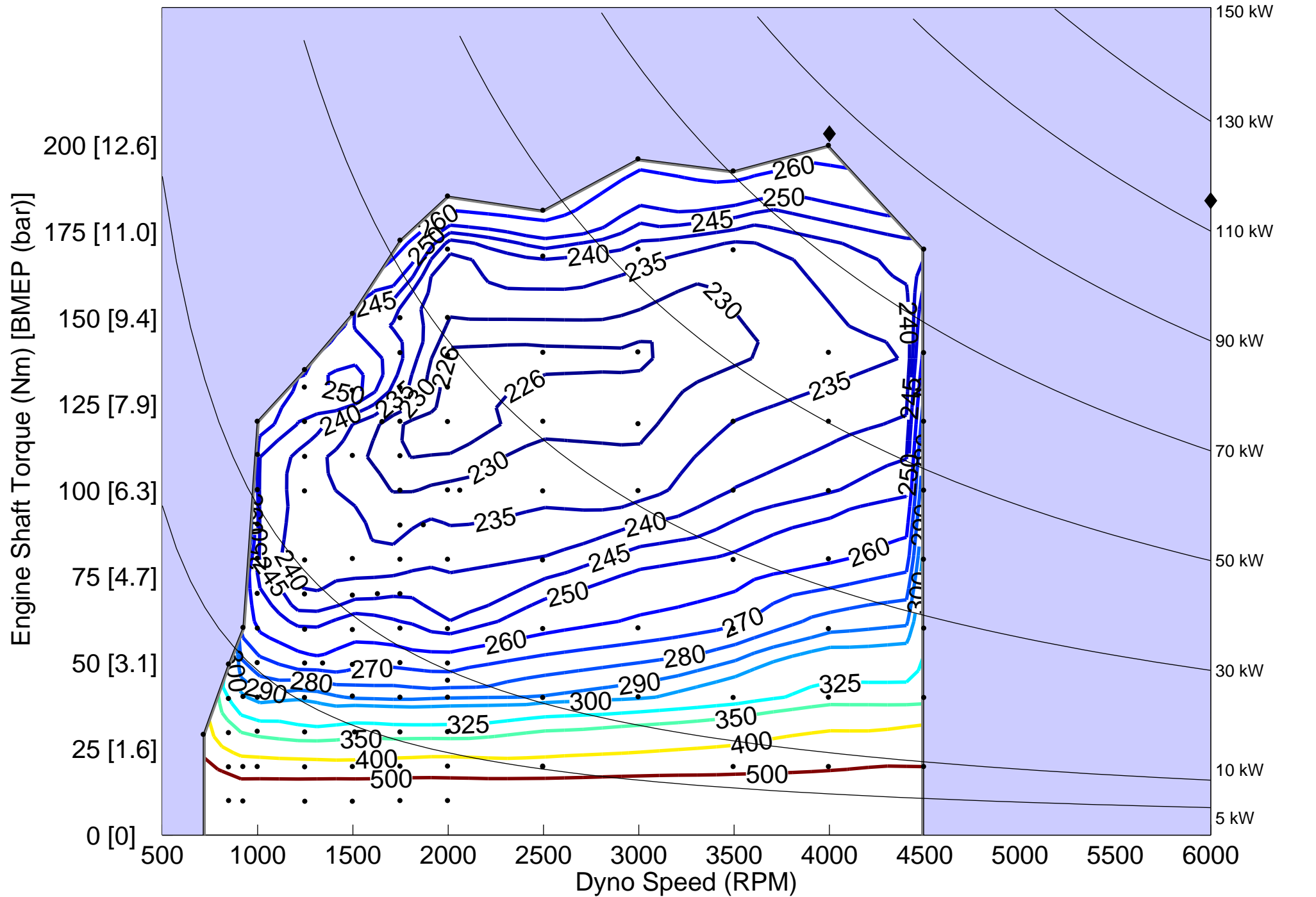


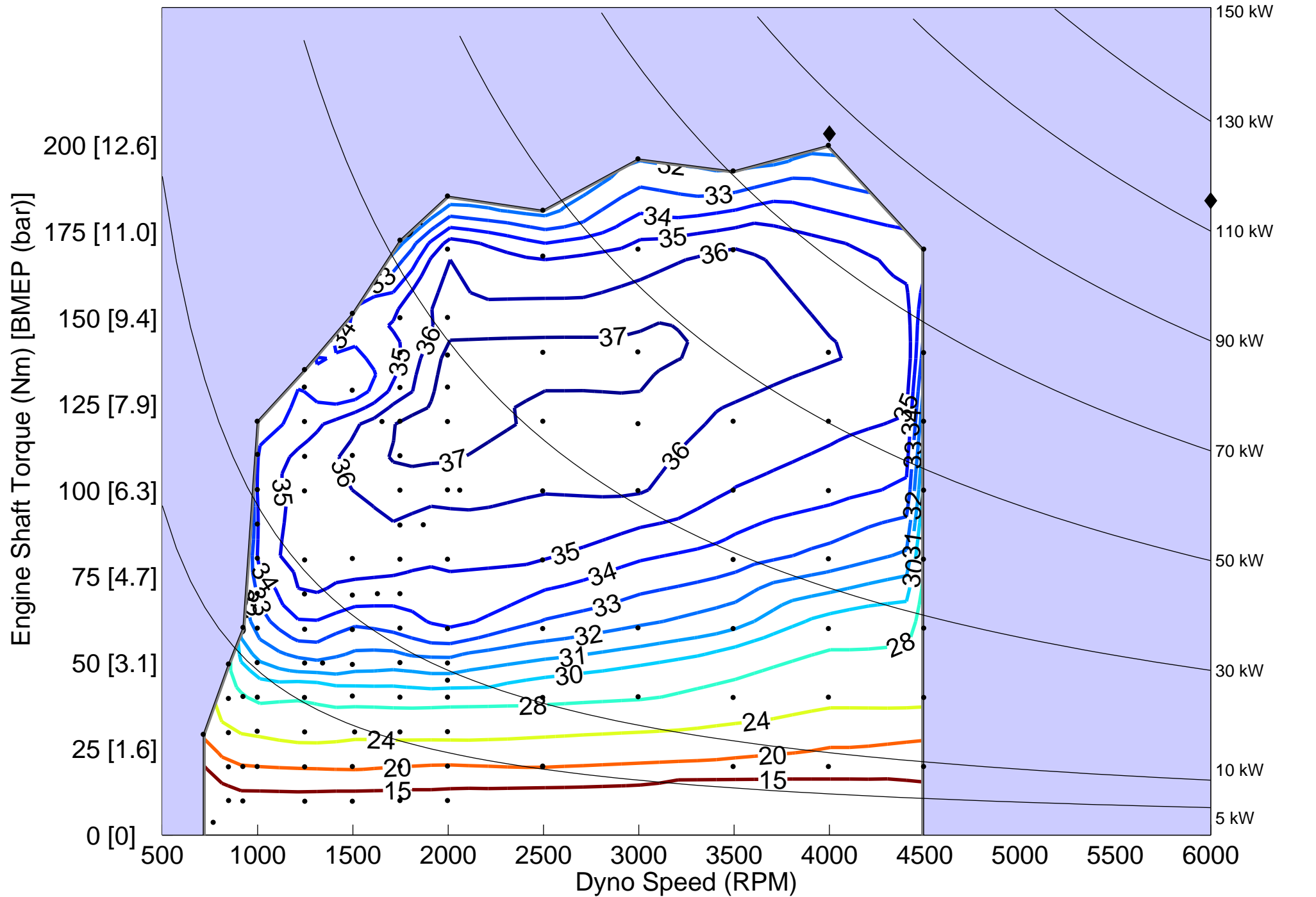
# 2014 Mazda Mazda3(US) 2.0L – Tier 2 Test Fuel

Steady-State Mapping

BSFC (g/kW-hr)



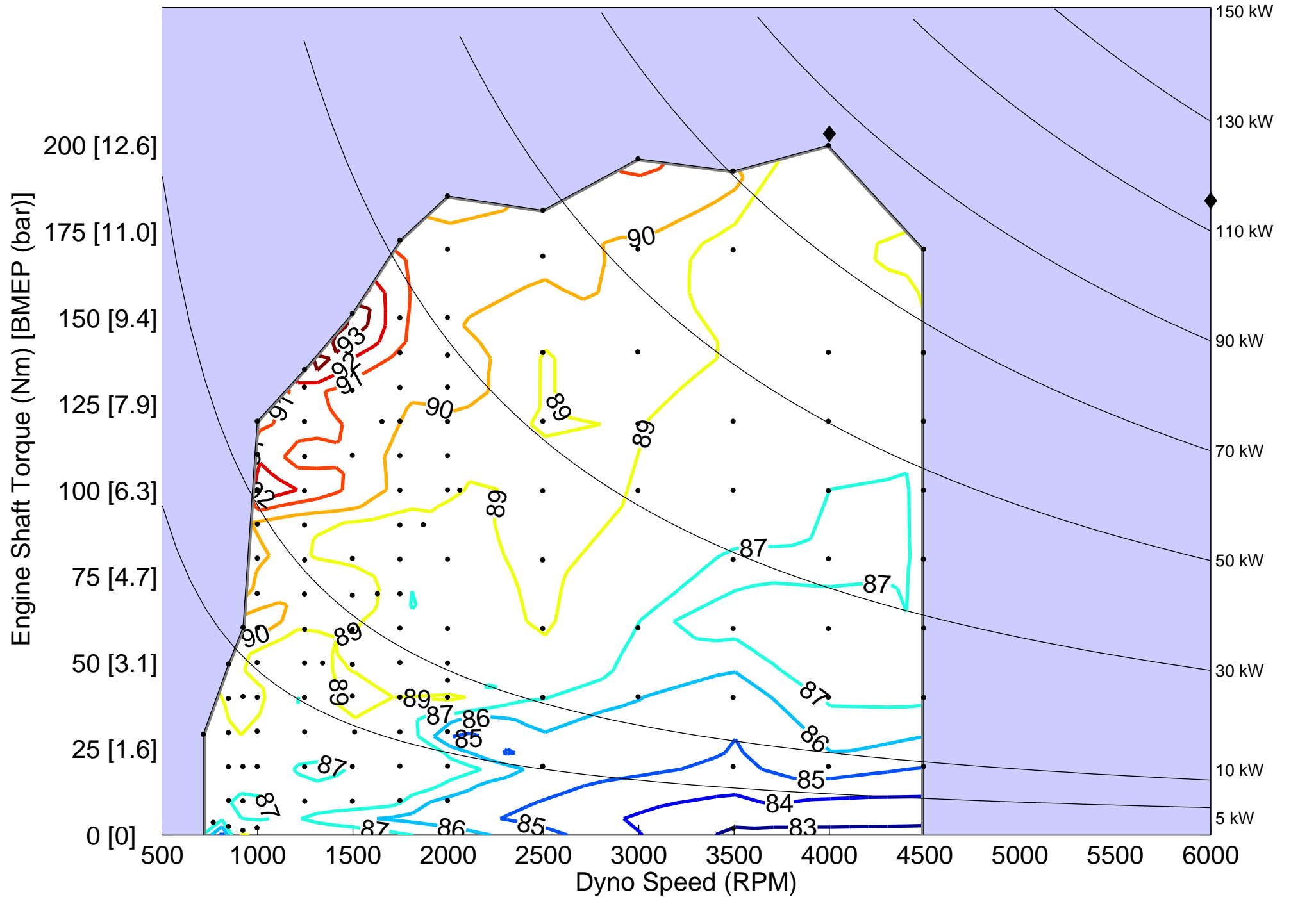
2014 Mazda Mazda3(US) 2.0L – Tier 2 Test Fuel  
Steady-State Mapping  
BTE (%)



# 2014 Mazda Mazda3(US) 2.0L – Tier 2 Test Fuel

Steady-State Mapping

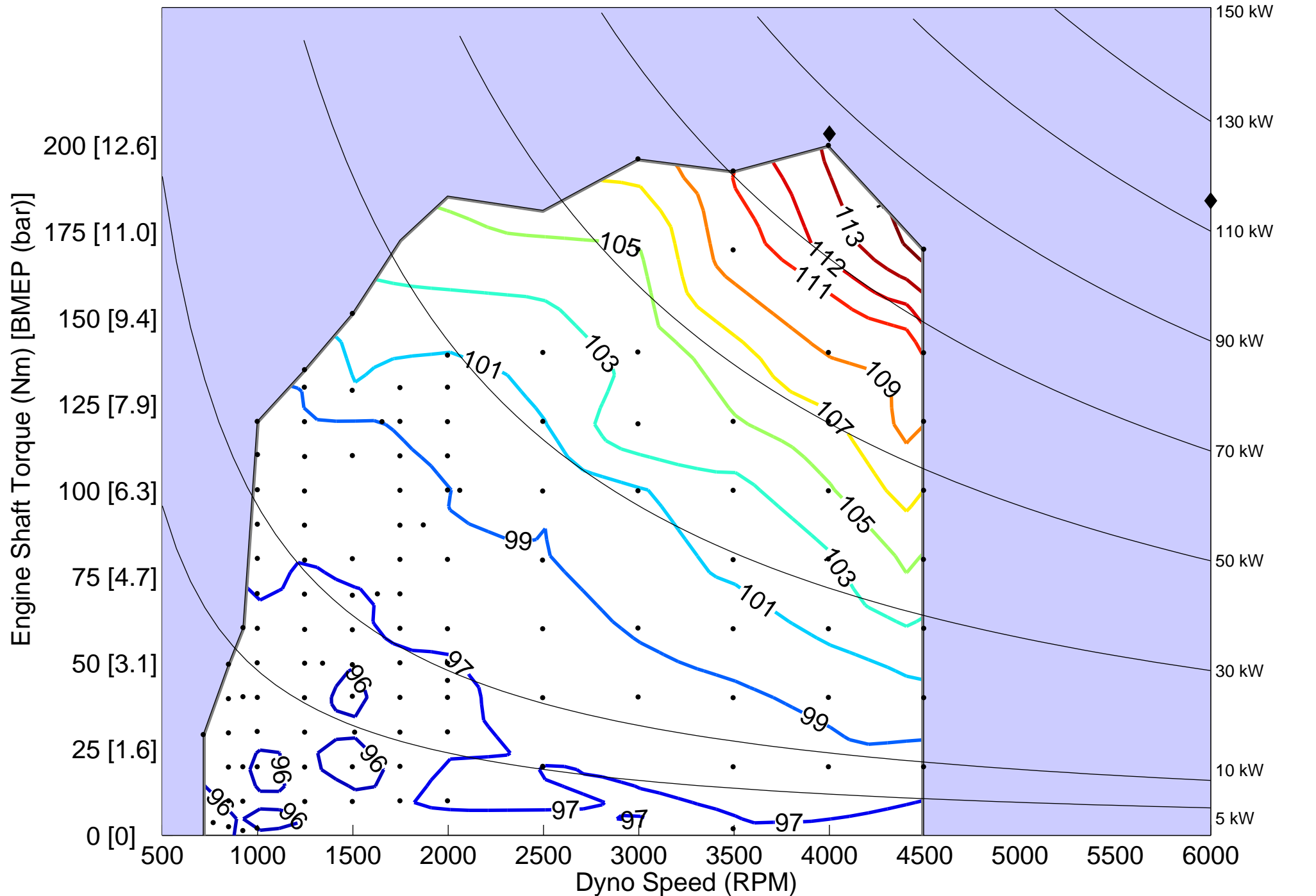
Coolant\_Temp (degC)



# 2014 Mazda Mazda3(US) 2.0L – Tier 2 Test Fuel

## Steady-State Mapping

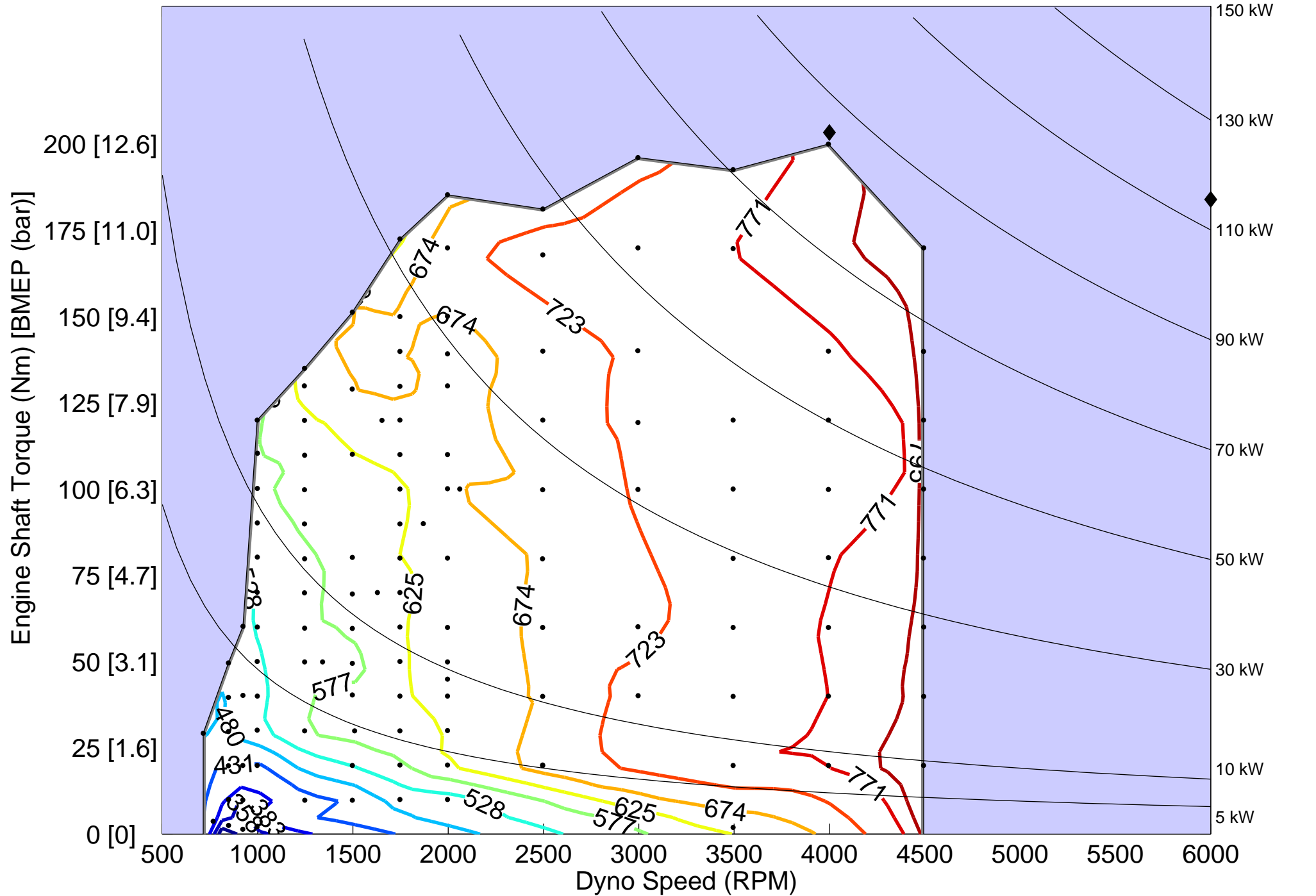
Exhaust\_Manifold\_Press (kPa)



# 2014 Mazda Mazda3(US) 2.0L – Tier 2 Test Fuel

## Steady-State Mapping

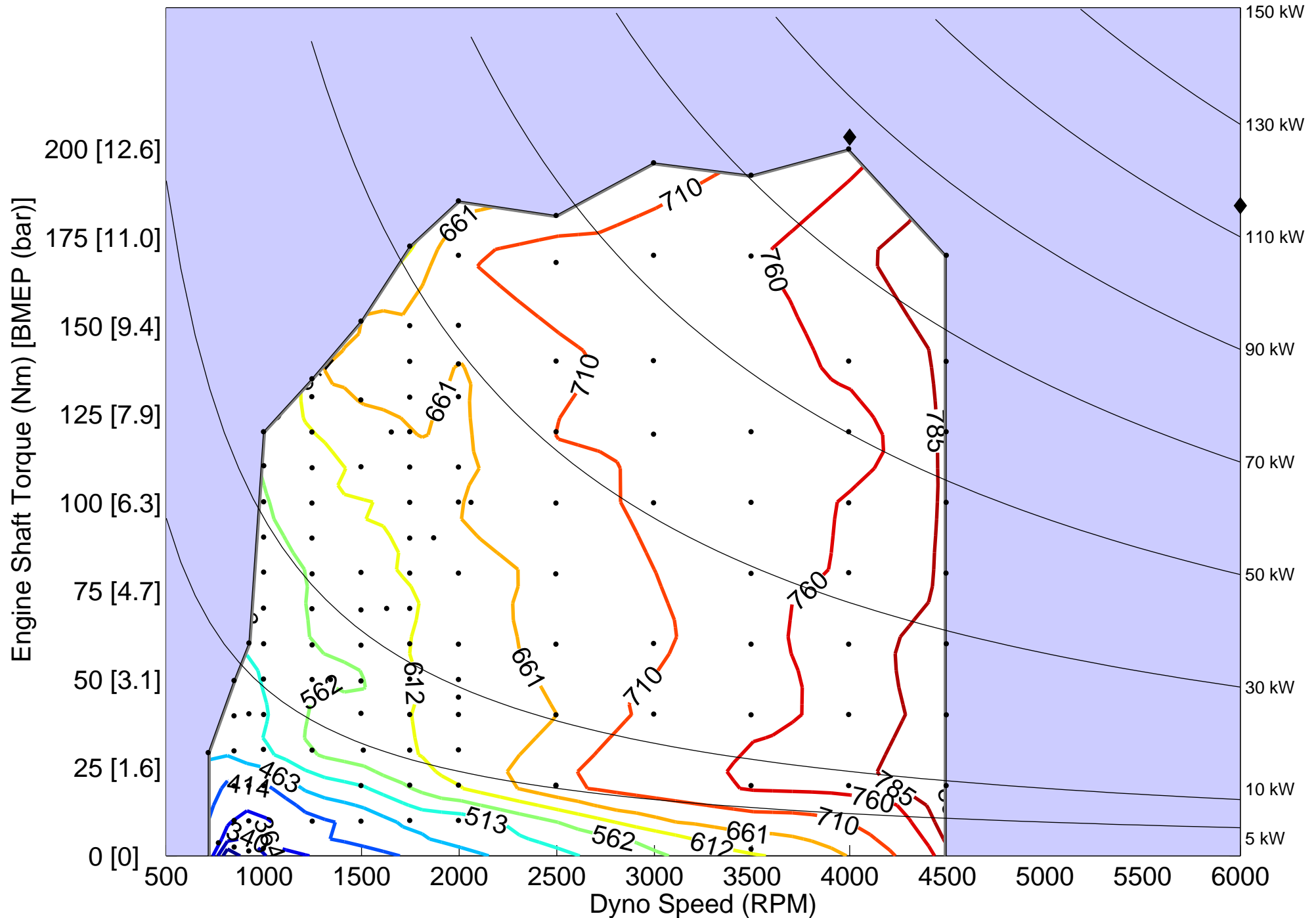
Exhaust\_Port\_Temp1 (degC)



# 2014 Mazda Mazda3(US) 2.0L – Tier 2 Test Fuel

Steady-State Mapping

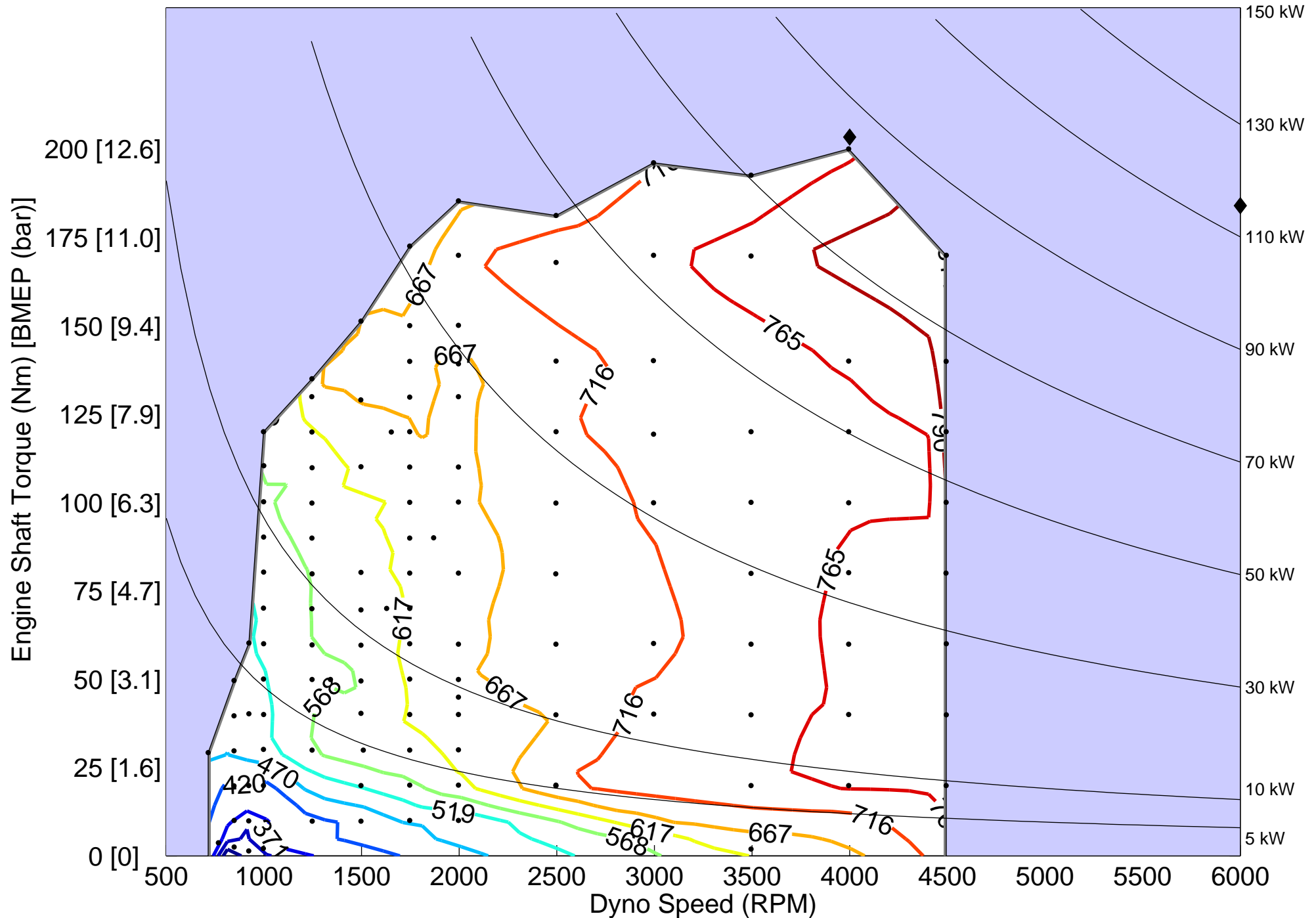
Exhaust\_Port\_Temp2 (degC)



# 2014 Mazda Mazda3(US) 2.0L – Tier 2 Test Fuel

## Steady-State Mapping

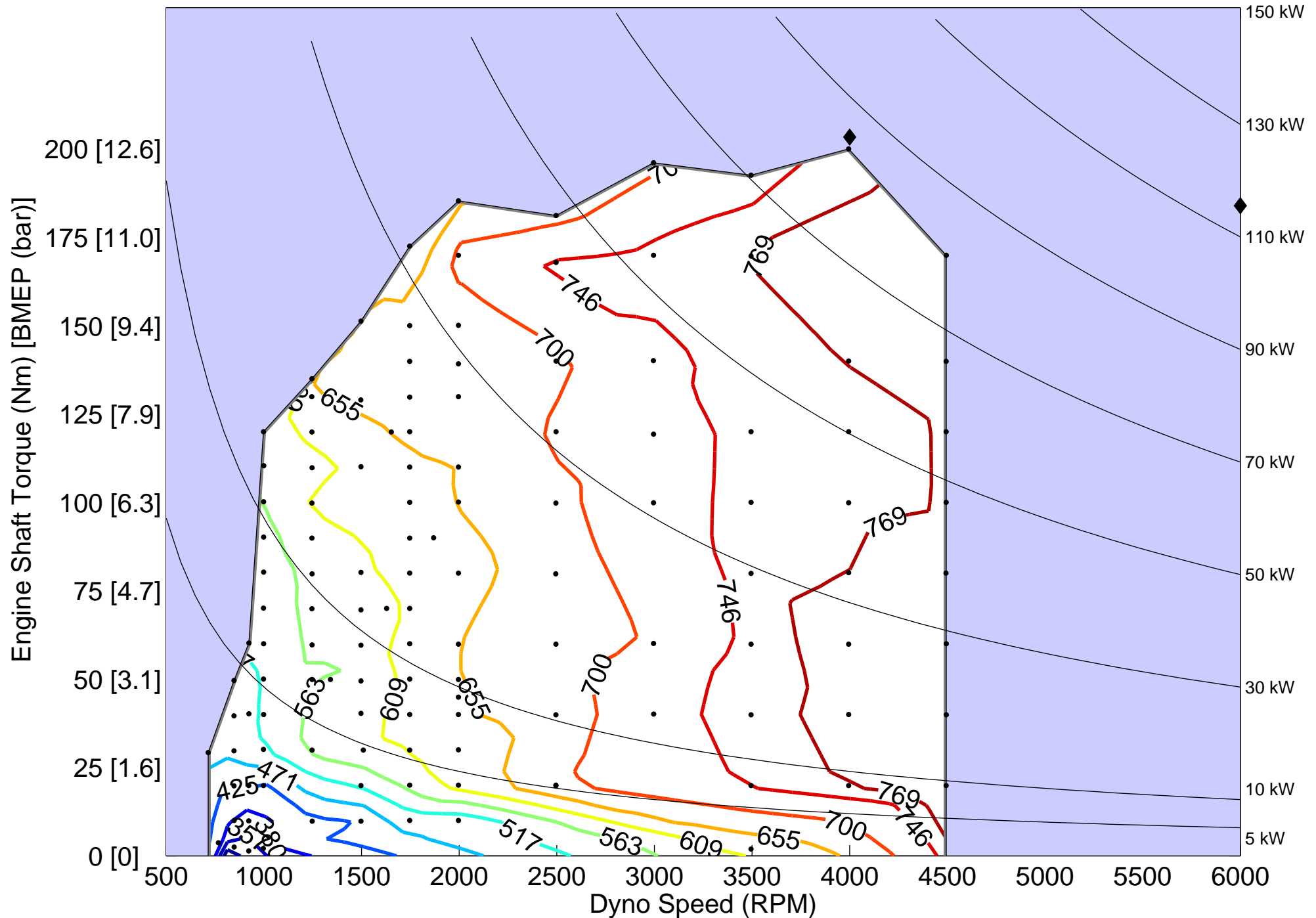
Exhaust\_Port\_Temp3 (degC)



# 2014 Mazda Mazda3(US) 2.0L – Tier 2 Test Fuel

Steady-State Mapping

Exhaust\_Port\_Temp4 (degC)

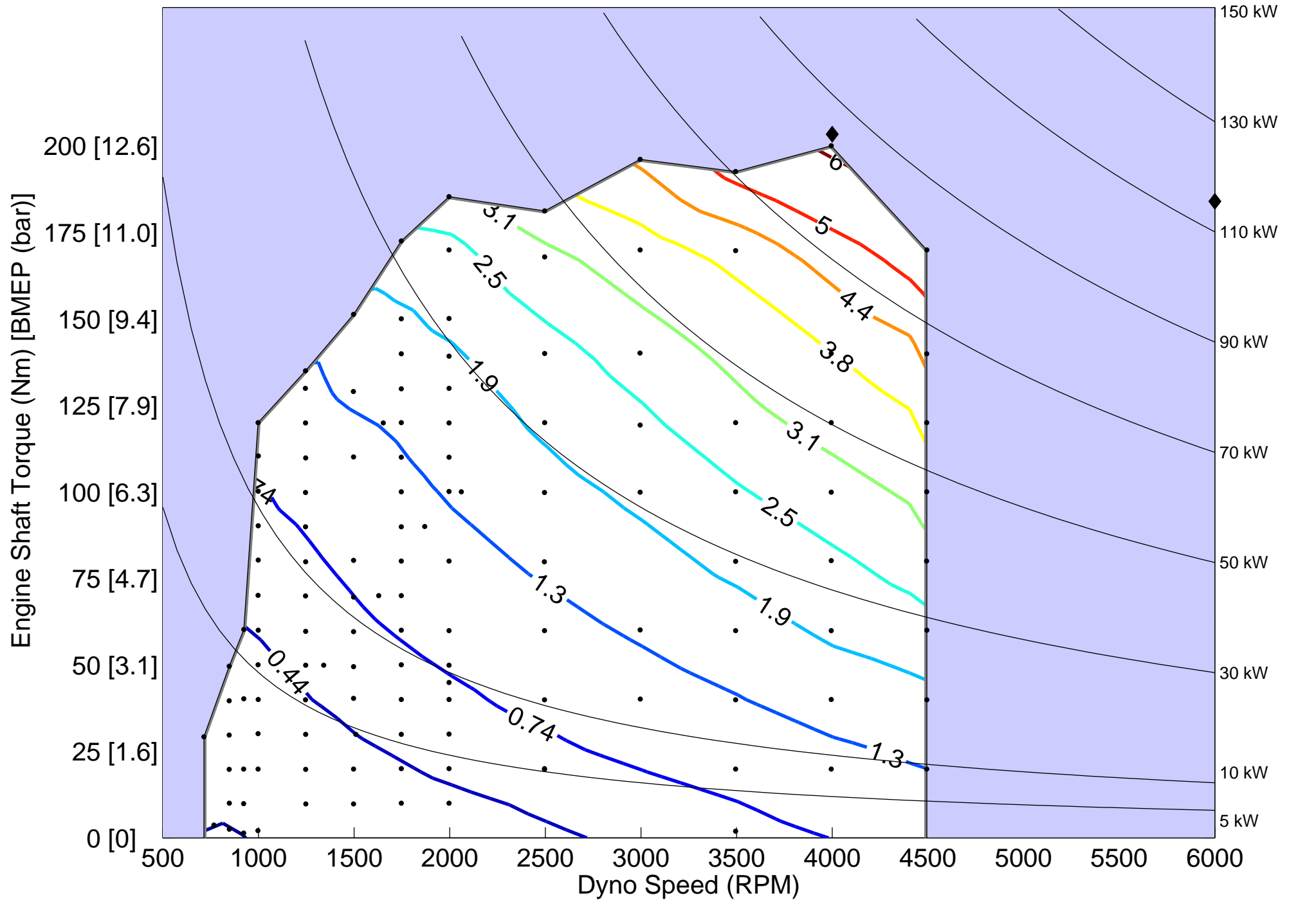




# 2014 Mazda Mazda3(US) 2.0L – Tier 2 Test Fuel

## Steady-State Mapping

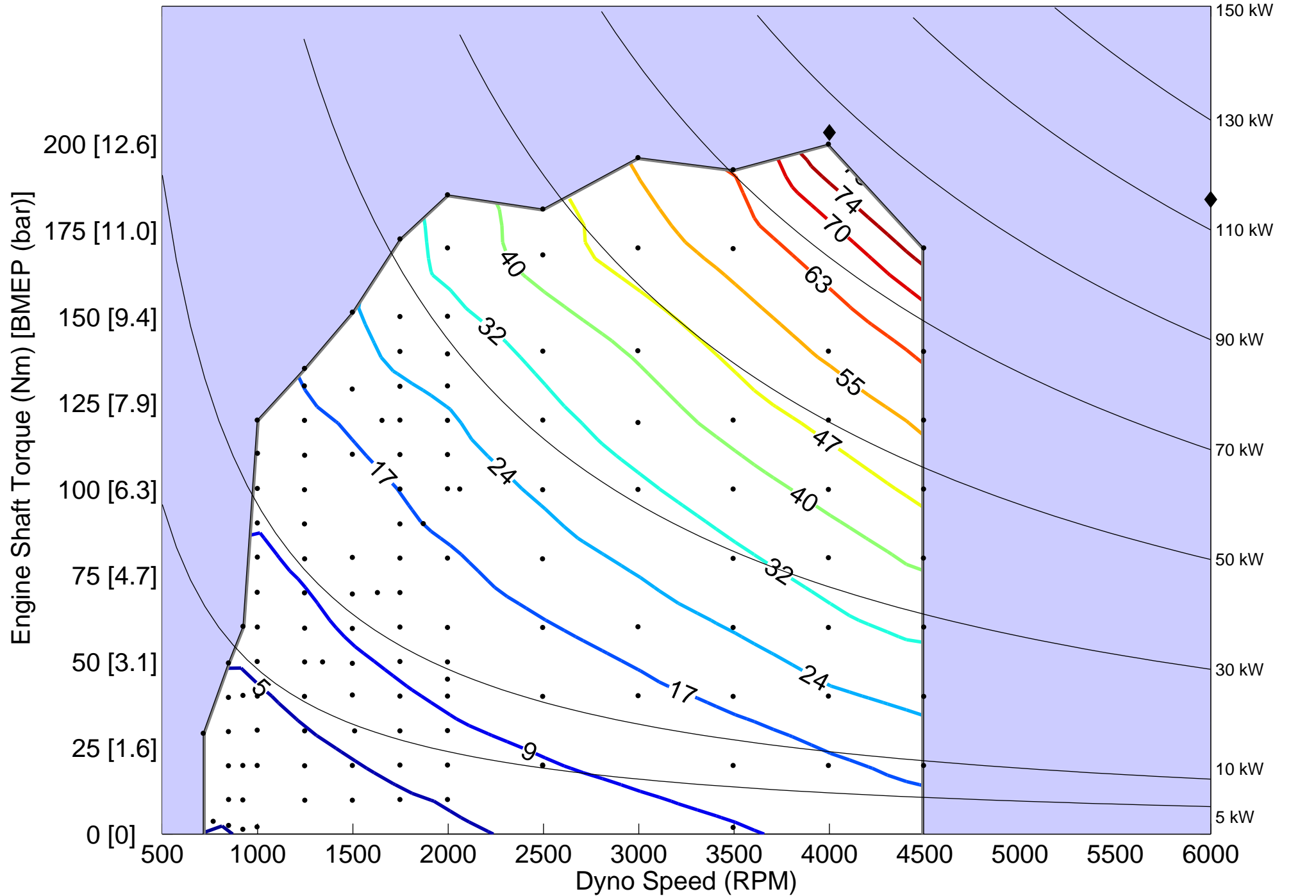
Fuel\_Flow (g/s)



# 2014 Mazda Mazda3(US) 2.0L – Tier 2 Test Fuel

## Steady-State Mapping

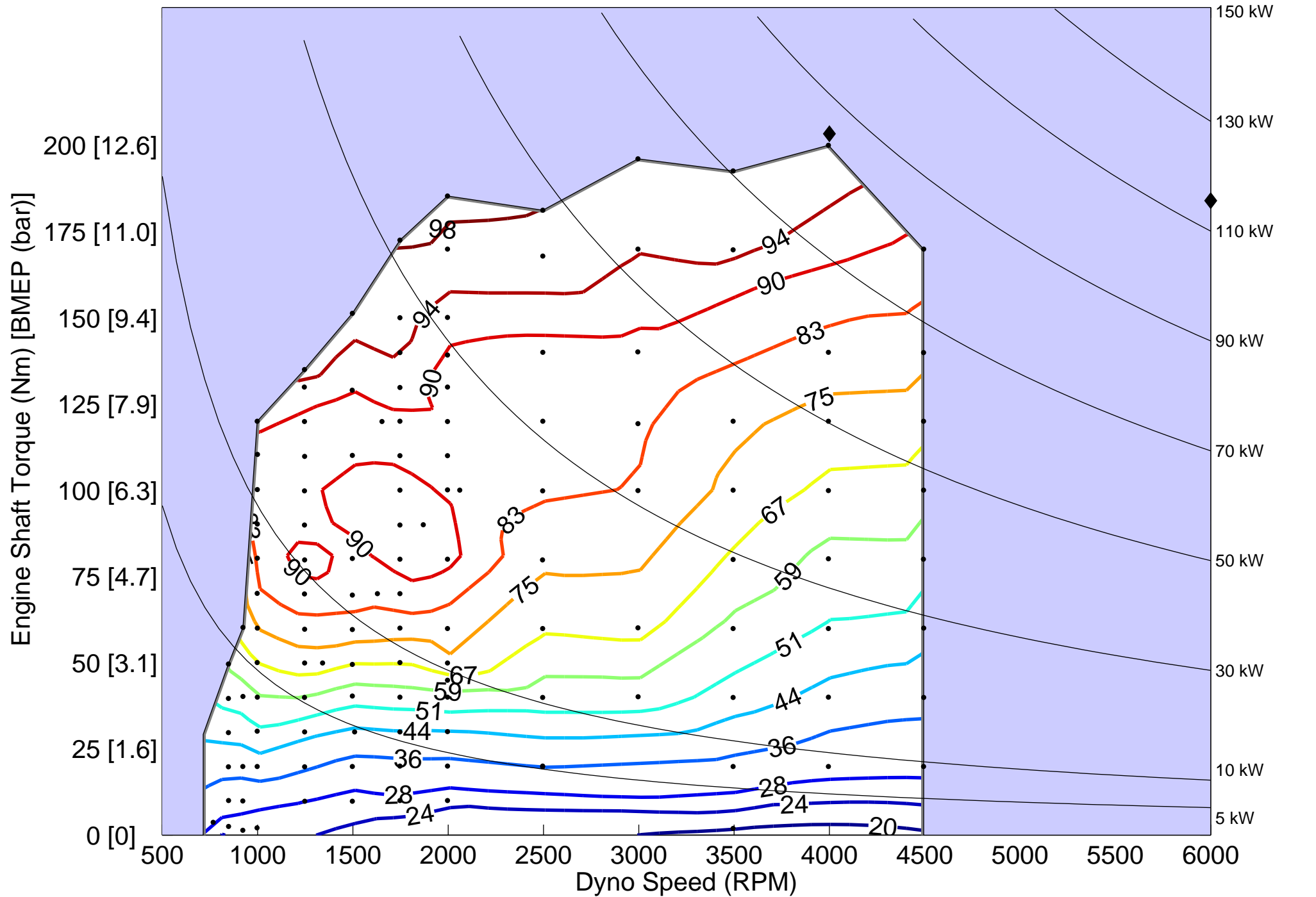
Inlet\_Air\_Flow (g/s)



# 2014 Mazda Mazda3(US) 2.0L – Tier 2 Test Fuel

## Steady-State Mapping

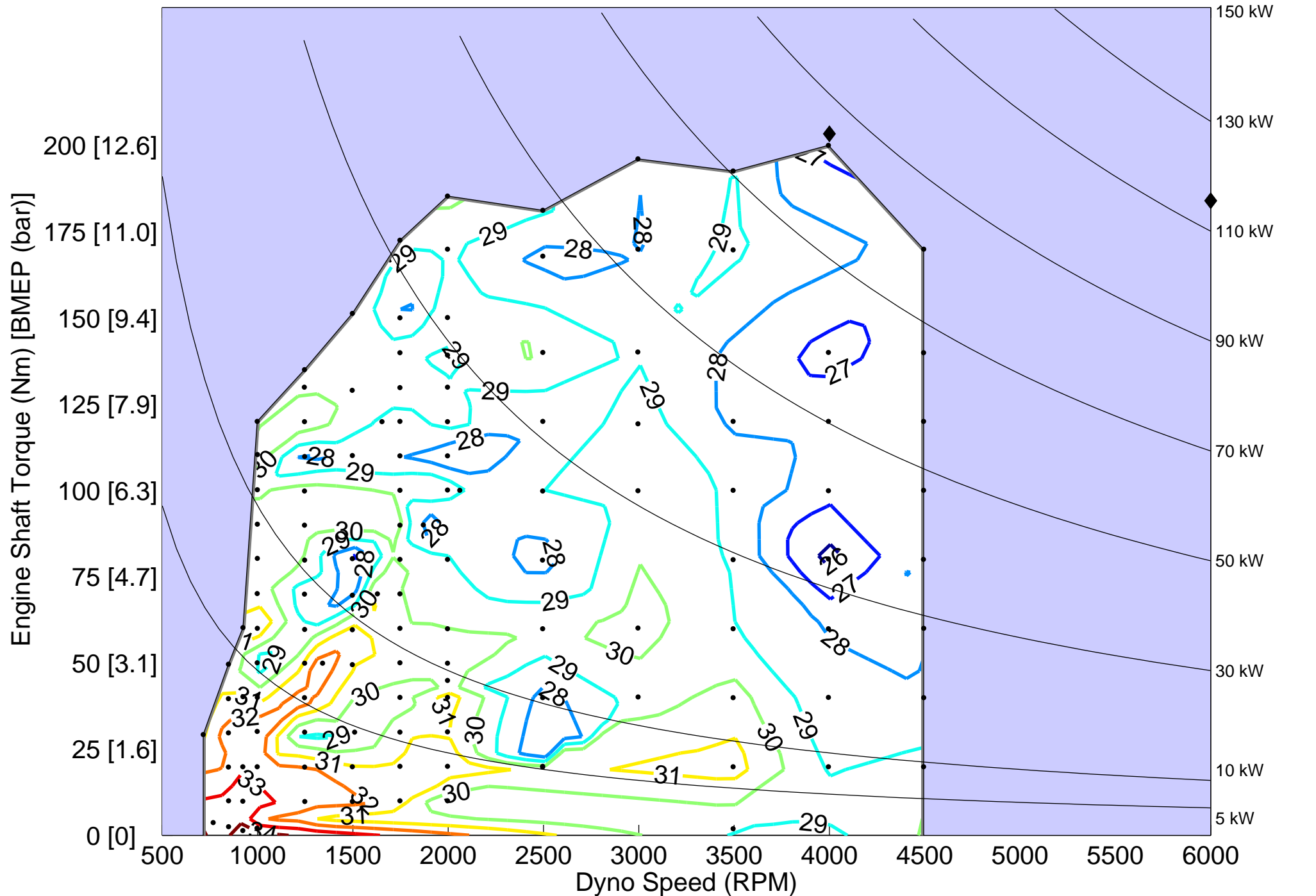
Intake\_Manifold\_Press (kPa)



# 2014 Mazda Mazda3(US) 2.0L – Tier 2 Test Fuel

## Steady-State Mapping

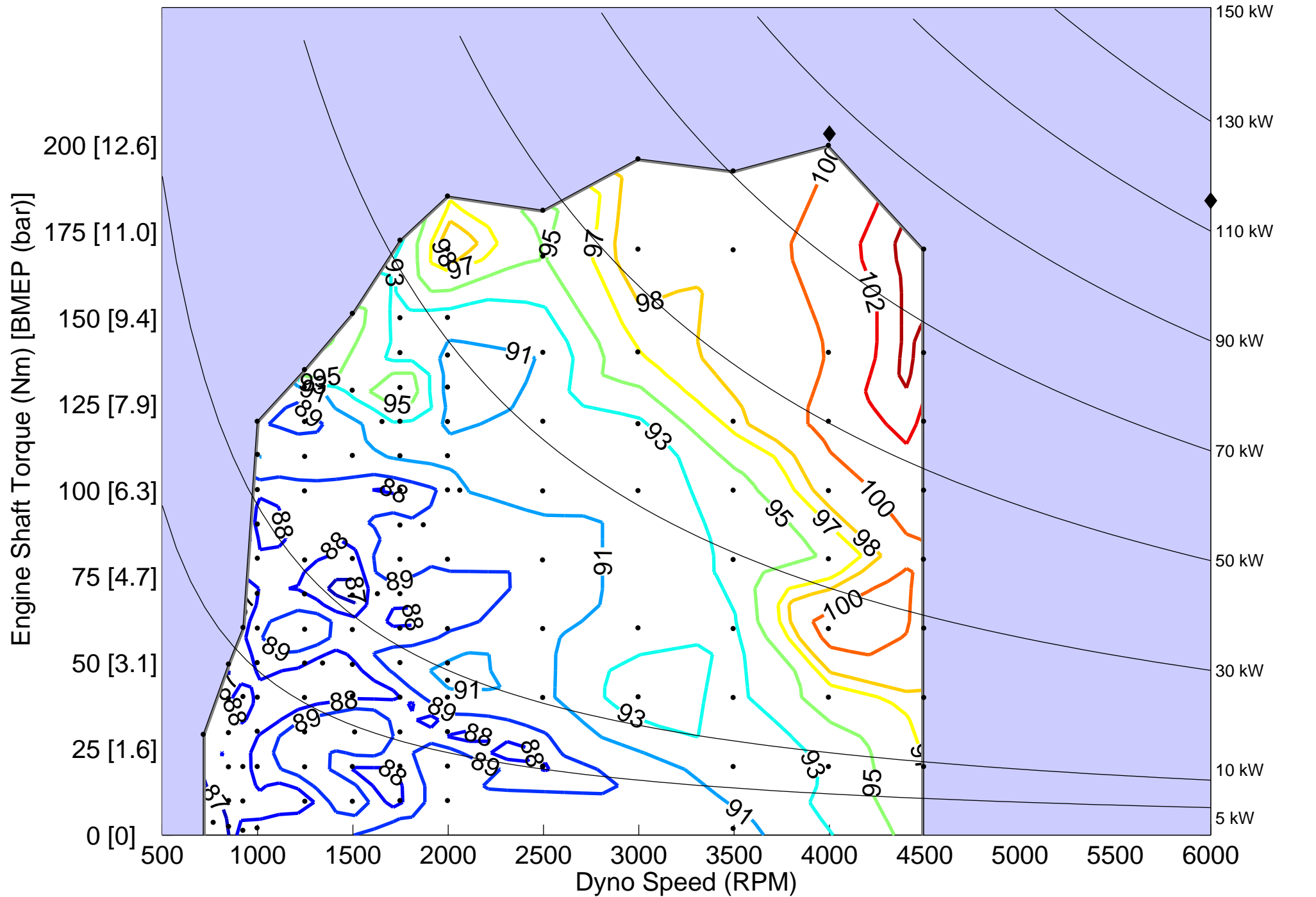
Intake\_Manifold\_Temp (degC)



# 2014 Mazda Mazda3(US) 2.0L – Tier 2 Test Fuel

Steady-State Mapping

Oil\_Sump\_Temp (degC)



# Legend & Notes

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- Black dots indicate speed/load points at which steady state data were acquired
- ◆ Black diamonds indicate rated torque/power points advertised by the manufacturer

## 2014 Mazda Mazda3 2.0L SkyActiv I4 Technical Specifications

	Rated Torque (lbs-ft) *	Rated Power (hp) *
Rated Engine Value	150	155
Engine Speed (rpm)	4000	6000

“2014 MAZDA3 4-DOOR ENGINE & MECHANICAL” - \* Regular Unleaded Fuel Recommended  
[http://www.mazdausa.com/MusaWeb/musa2/pdf/specs/specs\\_M3S.pdf](http://www.mazdausa.com/MusaWeb/musa2/pdf/specs/specs_M3S.pdf)

Note: In these contour plots, individual data points may be ignored or inserted, using our best engineering judgment, to correct irregularities in the visual presentation of the contour lines; additional details are contained in the test report.