



## Downloadable Dynamometer Database (D<sup>3</sup>)- Test Summary Sheet

2012 Chrysler 300	
Vehicle Architecture	Conventional
Document Date	10/5/2012
Revision Number	1
Notes: 3.6L VVT Port-injected V-6 8 speed Transmission	

Vehicle Setup Information	
Test Cell Location	2WD
<b>Vehicle Dynamometer Input</b>	
Test weight [lb]	4250
Target A [lb]	38.61
Target B [lb/mph]	0.8894
Target C [lb/mph <sup>2</sup> ]	0.01105
<b>Test Fuel Information</b>	
Fuel type	Tier II EEE HF437
Fuel density [g/ml]	0.743
Fuel Net HV [BTU/lb]	18490



Test ID [R#]	Cycle	Cold start (Cst) Hor start [HS]	Date	Test Cell T Temp [C]	Test Cell RH [%]	Test Cell Baro [in/Hg]	Vehicle cooling fan speed: Speed Match [SM] or constant speed [CS]	Solar Lamps [W/m <sup>2</sup> ]	Vehicle Climate Control settings	Hood Position [Up] or [Closed]	Window Position [Closed] or [Down]	Cycle Distance [mi]	Cycle Fuel economy [mpg] [Fuel scale]	Cycle HV battery Integrated net current [DC Ah]	Cycle HV battery Average Zero crossing Voltage [V]	Cycle HV battery Net Energy [DC kWh]	Cycle HV battery Net Energy Consumption [DC Wh/mi]
Test information			Test cell information			Test cell setup		Vehicle setup				Electric energy consumption					
<b>Test sequence purpose: Standard testing</b>																	
71209050	UDDS CS	CSt	09/26/12,	22.13	60.62	29.21	Cst spd	Off	Off	Up	Down	7.43	20.7				
71209051	UDDS HS	HSt	09/26/12,	22.32	59.16	29.23	Cst spd	Off	Off	Up	Down	7.42	23.1				
71209053	Highway	HSt	09/26/12,	22.37	56.02	29.25	Cst spd	Off	Off	Up	Down	20.51	37.3				
71209054	US06	HSt	09/26/12,	22.46	55.21	29.26	Cst spd	Off	Off	Up	Down	7.99	26.5				
71209038	Steady State Speed	HSt	09/25/12,	22.56	39.96	29.14	Cst spd	Off	Off	Up	Down						
<b>Full charge test summary</b>												<b>Totals</b>	<b>43.36</b>				
<b>Re-charging information</b>			N/A Ambient temperature during charge				HV battery integrated current [DC Ah]				N/A						
Level:							Charger integrated current [AC Ah]				N/A						
							HV battery integrated power [DC kWh]				N/A						
							Charger integrated power [AC kWh]				N/A						

**Summary notes**  
 For the highway and US06 cycles only the second (hot) test results are presented in this summary.  
 Electric energy consumption:  
 HV battery Integrated net current --> Integrated current as reported by power analyzer  
 HV battery Average Zero crossing Voltage --> Calculated Average Zero crossing Voltage over the phase or cycle  
 HV Net Energy --> Integrated power as reported by power analyzer  
 Note that HV Net Energy is not equal to the product of HV battery Integrated net current times Average Zero crossing Voltage.  
 \* The vehicle coast down information for EPA

**Advanced Powertrain Research Facility Data referencing:**

- This data has originated from the Argonne National Laboratory D<sup>3</sup> website. [http://webapps.anl.gov/vehicle\\_data/](http://webapps.anl.gov/vehicle_data/)
- The purpose of this information is to provide advanced technology vehicle chassis dynamometer test data for the engineering community. Mostly comprised of vehicle benchmarking test results, it is intended for the better understanding of the technology and for education. Data from this website may not be used as a source for publication or profit without consent of Argonne National Laboratory.
- Please contact [d3info@anl.gov](mailto:d3info@anl.gov) for questions, comments or inquiries.