

IMSA TECHNICAL BULLETIN IWSC #19-37

To: All IMSA WeatherTech SportsCar Championship Competitors

From: IMSA Competition

Date: 15 August 2019

Re: IWSC Balance of Performance Tables

In accordance with Attachment 2 of the IMSA WeatherTech SportsCar Championship SSR, the following adjustments are made to the indicated cars. The column listed as current is the current specification after the adjustment is applied and thus the required specification for the event. These decisions come into immediate effect and are applicable until further notice.

IMSA BoP table values are based upon Manufacturer submitted data, Manufacturer agreed upon lap time sensitivities for mass and power, and IMSA's data analysis.

GTLM		Vehicles		Mass		Engine				Ride Height	Rear Wing		Fuel				Notes	
Manufacturer		Minimum No Fuel/Driver (kg)		Restrictor Diameter (mm)			Average Power Delta (kW)		Maximum RPM	Minimum Ground Clearance (mm)	Min Angle (deg)	Gurney Minimum Height (mm)	Type	Minimum Lambda	Total Capacity (L)		Minimum Full Refueling Time (sec)	
		adj	current	qty.	adj.	current	adj	current	current	current	current		λ	adj	current			
Issued: 20190825 IWSC VIR				Bulletin: TB 19-37			Date: 8/15/2019											
BMW	M8 GTE		1220				-4.8	7000	50.0	N/A	5.0	E20	1.08	-1.0	91.0	34.0		
Corvette	C7R GTE		1250	2		31.5		6800	50.0	N/A	10.0	E20	0.88		92.0	34.0		
Ferrari	488 GTE		1255					7000	50.0	N/A	10.0	E20	1.10		88.0	34.0		
Ford	GT GTE	+5	1280				+7.5	7200	50.0	N/A	15.0	E20	0.90	+2.0	91.0	34.0		
Porsche	911 RSR GTE		1245	2		32.2		9500	50.0	N/A	10.0	E20	0.89		95.0	34.0		

BMW M8 GTE

Engine Speed [rpm]	Boost Ratio	
	adj	current
2000		1.230
2500		1.410
3000		1.970
3500		2.210
4000		2.210
4500		2.219
5000	-0.028	2.113
5250	-0.027	2.038
5500	-0.026	1.963
5750	-0.025	1.898
6000	-0.025	1.832
6500	-0.024	1.772
6750	-0.023	1.652
7000	-0.023	1.512
7500	-0.017	1.238
7600		1.000

Ferrari 488 GTE

Engine Speed [rpm]	Boost Ratio	
	adj	current
2000		1.784
4000		1.784
4800		1.787
5000		1.790
5300		1.785
5500		1.779
5700		1.768
5950		1.744
6050		1.727
6150		1.705
6300		1.671
6600		1.595
7000		1.495
7500		1.369
7600		1.000
10000		1.000

Ford GT GTE

Engine Speed [rpm]	Boost Ratio	
	adj	current
2000	0.029	1.545
4200	0.029	1.545
4900	0.029	1.544
5100	0.029	1.543
5300	0.029	1.538
5400	0.029	1.533
5500	0.029	1.526
5800	0.029	1.497
5950	0.028	1.476
6050	0.028	1.464
6150	0.028	1.453
6300	0.028	1.436
6600	0.026	1.407
7200	0.026	1.326
7700	0.024	1.264
7800		1.000

GTD Vehicles		Mass		Engine					Ride Height		Fuel				Notes	
Manufacturer		Minimum No Fuel/Driver (kg)		Restrictor Diameter (mm)		Average Power Delta (kW)	Maximum RPM		Minimum Ground Clearance (mm)		Type	Minimum Lambda	Total Capacity (L)		Minimum Full Refueling Time (sec)	
		adj	current	qty.	adj	current	adj	adj	current	adj	current		λ	adj	current	
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Acura	NSX GT3		1350					7500		50.0	IMSA 100	0.88		107.0	40.0	
Audi	R8 LMS GT3	-20	1335	2		41.0		8500		50.0	IMSA 100	0.91		98.0	40.0	
BMW	M6 GT3		1305					7250		50.0	IMSA 100	0.92		102.0	40.0	
Ferrari	488 GT3	-10	1315					7500		50.0	IMSA 100	0.92		96.0	40.0	
Lamborghini	Huracan GT3		1330	2		40.0		8500		50.0	IMSA 100	0.89		97.0	40.0	
Lexus	RC F GT3		1375	2		38.0		7200		50.0	IMSA 100	0.86		101.0	40.0	
McLaren	720S GT3		1265					8000		50.0	IMSA 100	0.88	-4.0	106.0	40.0	
Mercedes	AMG GT3		1380	2		35.5		7700		55.0	IMSA 100	0.88		101.0	40.0	
Porsche	911 GT3 R		1285	2		45.0		9500		50.0	IMSA 100	0.88		95.0	40.0	

Acura NSX GT3

Engine Speed [rpm]	Boost Ratio	
	adj	current
2000		1.765
4000		1.765
4500		1.768
5000		1.815
5500		1.888
6000		2.004
6200		2.033
6300		2.043
6400		2.046
6500		2.044
6600		2.039
6700		2.027
6800		2.011
7000		1.978
7500		1.917
7800		1.000

BMW M6 GT3

Engine Speed [rpm]	Boost Ratio	
	adj	current
2000		1.591
3000		1.799
4000		1.956
4500		2.009
4750		2.029
5000		2.049
5250		2.018
5500		1.984
5750		1.928
6000		1.895
6250		1.855
6500		1.825
6750		1.737
7000		1.677
7250		1.604
7550		1.000

Ferrari 488 GT3

Engine Speed [rpm]	Boost Ratio	
	adj	current
2000		1.424
4000		1.424
4500		1.479
4750		1.511
5000		1.548
5250		1.588
5500		1.646
5750		1.681
6000		1.691
6250		1.682
6500		1.647
6750		1.603
7000		1.561
7250		1.516
7500		1.474
7800		1.000

McLaren 720S GT3

Engine Speed [rpm]	Boost Ratio	
	adj	current
2000		1.709
4000		1.709
4500		1.702
5000		1.696
5500		1.689
5750		1.670
6000		1.650
6250		1.621
6500		1.591
6750		1.547
7000		1.503
7250		1.468
7500		1.434
7750		1.429
8000		1.424
8300		1.000