



IMSA TECHNICAL BULLETIN IWSC #20-25

To: All IMSA WeatherTech SportsCar Championship Competitors
From: IMSA Competition
Date: October 2, 2020
Re: IMSA Motul 100% Synthetic Grand Prix and Motul Petit Le Mans GTLM and GTD BoP Tables

In accordance with Attachment 2 of the IMSA WeatherTech SportsCar Championship SSR, IMSA has established the following Balance of Performance values for the IMSA Motul 100% Synthetic Grand Prix at Charlotte and Motul Petit Le Mans Events onward. Future adjustments shall be reflected in red text with the relative change displayed in a neighboring column.



One Daytona Blvd.
Daytona Beach, FL
32114
+1 (386) 310-6500



GTM	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:	IWSC Charlotte		Bulletin: TB 20-25			Date: 10/2/2020											
BMW	M8 GTE		1220					7000	50.0	N/A	5.0	E20	1.08		97.0	34.0	
Corvette	C8R GTE		1280	1		44.3		7400	50.0	N/A	15.0	E20	0.88		101.0	34.0	
Ferrari	488 GTE		1270					7000	50.0	N/A	10.0	E20	1.10		93.0	34.0	
Porsche	911 RSR GTE	-15	1305	2		31.5		9400	50.0	N/A	Integrated	E20	0.89		101.0	34.0	

BMW M8 GTE

Engine Speed	Boost Ratio	
	adj	current
[rpm]		
2000		1.230
2500		1.450
3000		2.210
3500		2.220
4000		2.230
4500		2.240
5000		2.166
5250		2.089
5500		2.012
5750		1.946
6000		1.880
6500		1.840
6750		1.730
7000		1.620
7500		1.287
7600		1.000

Ferrari 488 GTE

Engine Speed	Boost Ratio	
	adj	current
[rpm]		
2000		1.829
4000		1.829
4800		1.812
5000		1.808
5300		1.803
5500		1.797
5700		1.786
5950		1.761
6050		1.744
6150		1.722
6300		1.687
6600		1.610
7000		1.510
7500		1.383
7600		1.000
10000		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	Lambda	Total Capacity (L)		Minimum Full Refueling Time (sec)	
		adj	current	qty.	adj	current	adj	adj	current	adj	current		λ	adj	current	
Issued: IWSC Charlotte		Bulletin: TB #20-25			Date: 10/2/2020											
Acura	NSX GT3		1325					7500		50.0	IMSA 100	0.88		107.0	40.0	
Aston Martin	Vantage AMR GT3		1270					7200		50.0	IMSA 100	0.91		107.0	40.0	
Audi	R8 LMS GT3		1310	2		40.0		8500		50.0	IMSA 100	0.91		103.0	40.0	
BMW	M6 GT3		1305					7250		50.0	IMSA 100	0.92		109.0	40.0	
Ferrari	488 GT3	+5	1325					7500		50.0	IMSA 100	0.90	+1.0	101.0	40.0	
Lamborghini	Huracan GT3		1340	2		39.0		8500		50.0	IMSA 100	0.89		103.0	40.0	
Lexus	RC F GT3		1355	2		35.0		7200		50.0	IMSA 100	0.86		101.0	40.0	
McLaren	720S GT3		1295					8000		50.0	IMSA 100	0.88		104.0	40.0	
Mercedes	AMG GT3		1360	2		34.5		7700		50.0	IMSA 100	0.90		106.0	40.0	
Porsche	911 GT3 R		1300	2		38.0		9500		50.0	IMSA 100	0.88		96.0	40.0	





Acura NSX GT3

Engine Speed	Boost Ratio	
	adj	current
[rpm]		
2000		1.721
4000		1.721
4500		1.724
5000		1.770
5500		1.833
6000		1.887
6200		1.914
6300		1.924
6400		1.927
6500		1.925
6600		1.920
6700		1.909
6800		1.894
7000		1.862
7500		1.805
7800		1.000

Aston Martin AMR GT3

Engine Speed	Boost Ratio	
	adj	current
[rpm]		
2000		1.548
4000		1.548
4250		1.588
4500		1.628
4750		1.678
5000		1.728
5250		1.764
5500		1.799
5750		1.839
6000		1.839
6250		1.839
6500		1.839
6750		1.809
7000		1.789
7200		1.789
7500		1.000

BMW M6 GT3

Engine Speed	Boost Ratio	
	adj	current
[rpm]		
2000		1.523
3000		1.721
4000		1.843
4500		1.887
4750		1.924
5000		1.931
5250		1.911
5500		1.878
5750		1.821
6000		1.786
6250		1.752
6500		1.719
6750		1.640
7000		1.507
7250		1.437
7550		1.000

Ferrari 488 GT3

Engine Speed	Boost Ratio	
	adj	current
[rpm]		
2000	0.020	1.456
4000	0.020	1.456
4500	0.021	1.496
4750	0.022	1.521
5000	0.022	1.546
5250	0.022	1.565
5500	0.022	1.583
5750	0.022	1.584
6000	0.022	1.584
6250	0.022	1.574
6500	0.022	1.563
6750	0.022	1.540
7000	0.021	1.517
7250	0.021	1.473
7500	0.020	1.430
7800	0.000	1.000

McLaren 720S GT3

Engine Speed	Boost Ratio	
	adj	current
[rpm]		
2000		1.659
4000		1.659
4500		1.653
5000		1.647
5500		1.640
5750		1.621
6000		1.602
6250		1.574
6500		1.545
6750		1.502
7000		1.459
7250		1.426
7500		1.392
7750		1.388
8000		1.383
8300		1.000

