



IMSA TECHNICAL BULLETIN IWSC #21-34

To: All IMSA WeatherTech SportsCar Competitors
From: IMSA Competition
Date: September 30, 2021
Re: IMSA Michelin GT Challenge At VIR Balance of Performance Tables

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In accordance with Attachment 2 of the IMSA WeatherTech SportsCar SSR, the following road-course Balance of Performance values are set for the indicated Car Models. The column listed as current is the current specification after any adjustment is applied and thus the required specification for the Event. These decisions come into immediate effect and are applicable until further notice.





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				
BMW	M8 GTE		1230					7000	50.0	N/A	5.0	E20	1.08		90.0	34.0			
Corvette	C8R GTE		1290	1		44.3		7400	50.0	N/A	15.0	E20	0.88		98.0	34.0			
Porsche	911 RSR GTE		1275	2		32.2		9400	50.0	N/A	Integrated	E20	0.89		102.0	34.0			

BMW M8 GTE

Engine Speed	Boost Ratio	
	adj	current
[rpm]		
2000		1.230
2500		1.450
3000		1.970
3500		2.220
4000		2.230
4500		2.240
5000		2.110
5250		2.035
5500		1.960
5750		1.895
6000		1.830
6500		1.770
6750		1.640
7000		1.510
7500		1.255
7600		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		
Acura	NSX GT3		1325						7500		50.0	IMSA 100	0.88		108.0	40.0	
Aston Martin	Vantage AMR GT3		1270						7200		50.0	IMSA 100	0.91		103.0	40.0	
Audi	R8 LMS GT3		1310	2		40.0			8500		50.0	IMSA 100	0.91		100.0	40.0	
BMW	M6 GT3		1325						7250		50.0	IMSA 100	0.92		107.0	40.0	
Ferrari	488 GT3		1335						7500		50.0	IMSA 100	0.90		101.0	40.0	
Lamborghini	Huracan GT3		1340	2		39.0			8500		50.0	IMSA 100	0.89		105.0	40.0	
Lexus	RC F GT3	-10	1375	2		36.0			7200		50.0	IMSA 100	0.86		102.0	40.0	
Mercedes	AMG GT3		1380	2		34.5			7700		50.0	IMSA 100	0.90		106.0	40.0	
Porsche	911 GT3 R		1320	2		38.0			9500		50.0	IMSA 100	0.88		97.0	40.0	





Acura NSX GT3

Engine Speed	Boost Ratio	
	adj	current
[rpm]		
2000		1.738
4000		1.738
4500		1.741
5000		1.788
5500		1.852
6000		1.906
6200		1.933
6300		1.943
6400		1.946
6500		1.944
6600		1.939
6700		1.929
6800		1.913
7000		1.881
7500		1.824
7800		1.000

Aston Martin AMR GT3

Engine Speed	Boost Ratio	
	adj	current
[rpm]		
2000		1.491
4000		1.491
4250		1.530
4500		1.568
4750		1.617
5000		1.665
5250		1.699
5500		1.733
5750		1.772
6000		1.772
6250		1.772
6500		1.772
6750		1.743
7000		1.723
7200		1.723
7500		1.000

BMW M6 GT3

Engine Speed	Boost Ratio	
	adj	current
[rpm]		
2000		1.551
3000		1.753
4000		1.877
4500		1.922
4750		1.960
5000		1.967
5250		1.947
5500		1.913
5750		1.855
6000		1.819
6250		1.785
6500		1.751
6750		1.670
7000		1.535
7250		1.464
7550		1.000

Ferrari 488 GT3

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

