



IMSA TECHNICAL BULLETIN IWSC #20-18

To: All IMSA WeatherTech SportsCar Championship Competitors  
From: IMSA Competition  
Date: August 14, 2020  
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 Championship SSR, IMSA has established the following Balance of Performance values for the IMSA Michelin GT Challenge at VIR . Future adjustments shall be reflected in red text with the relative change displayed in a neighboring column.





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: IWSC VIR		Bulletin: TB 20-18			Date: 8/14/2020												
BMW	M8 GTE	-5	1220					7000	50.0	N/A	5.0	E20	1.08		97.0	34.0	
Corvette	C8R GTE	+20	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	+20	1300	2		31.5		9400	50.0	N/A	Integrated	E20	0.89	+5.0	101.0	34.0	

BMW M8 GTE

Engine Speed [rpm]	Boost Ratio	
	adj	current
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 [rpm]	Boost Ratio	
	adj	current
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	Model	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 VIR			Bulletin: TB 20-18			Date: 8/14/2020									
	Acura	NSX GT3		1325					7500	50.0	IMSA 100	0.88		108.0	40.0		
	Aston Martin	Vantage AMR GT3		1300					7200	50.0	IMSA 100	0.91		105.0	40.0		
	Audi	R8 LMS GT3	-20	1310	2				8500	50.0	IMSA 100	0.91		103.0	40.0		
	BMW	M6 GT3		1305					7250	50.0	IMSA 100	0.92		107.0	40.0		
	Ferrari	488 GT3		1320					7500	50.0	IMSA 100	0.90		99.0	40.0		
	Lamborghini	Huracan GT3		1340	2		39.0		8500	50.0	IMSA 100	0.89		105.0	40.0		
	Lexus	RC F GT3	+15	1355	2		35.0		7200	50.0	IMSA 100	0.86		99.0	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		95.0	40.0		





Acura NSX GT3

Engine Speed [rpm]	Boost Ratio	
	adj	current
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 [rpm]	Boost Ratio	
	adj	current
2000		1.510
4000		1.510
4250		1.549
4500		1.588
4750		1.637
5000		1.686
5250		1.721
5500		1.755
5750		1.794
6000		1.794
6250		1.794
6500		1.794
6750		1.765
7000		1.745
7200		1.745
7500		1.000

BMW M6 GT3

Engine Speed [rpm]	Boost Ratio	
	adj	current
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 [rpm]	Boost Ratio	
	adj	current
2000		1.436
4000		1.436
4500		1.475
4750		1.500
5000		1.524
5250		1.543
5500		1.561
5750		1.562
6000		1.562
6250		1.552
6500		1.541
6750		1.518
7000		1.496
7250		1.452
7500		1.410
7800		1.000

McLaren 720S GT3

Engine Speed [rpm]	Boost Ratio	
	adj	current
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

