



IMSA TECHNICAL BULLETIN IWSC #24-49

To: All IMSA WeatherTech SportsCar Championship Competitors
From: IMSA Competition
Date: June 12, 2024
Re: IMSA Balance of Performance: Watkins Glen 6hr Event

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In accordance with Attachment 2 of the IMSA WeatherTech SportsCar Championship SSR, the following 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(s). These decisions come into effect immediately and are applicable until further notice.



GTP	Vehicles		Mass	ICE	Power	Energy		Fuel	Notes
	Manufacturer		Minimum No Fuel/Driver (kg) current	Nmax (rpm)	Maximum Power (kW)	Maximum Stint Energy (MJ)	Stint Energy Replenishment Rate (MJ/sec)	Type	
	Acura	ARX-06	1054	9512	520	918	22.950	R80	
	BMW	M Hybrid V8	1030	8000	508	899	22.475	R80	
	Cadillac	V-Series.R	1047	8800	511	905	22.625	R80	
	Lamborghini	SC63	1031	8200	511	903	22.575	R80	
	Porsche	963	1046	8158	512	906	22.650	R80	

Maximum Power (kW)

Engine Speed (N/Max)	Maximum Power (kW)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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0.575	258	259	259	260	260	261	261	262	262	263	263	264	264	265	265	266	266	267	267	268	268	269	270	270	271	271	272	272	273	273	274	274	275	275	276	276	277	277	278	278	279	279																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
0.600	277	278	278	279	279	280	281	281	282	282	283	283	284	284	285	285	286	287	287	288	288	289	290	290	291	291	292	292	293	293	294	294	295	295	296	296	297	297	298	298	299	299	300																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
0.625	297	298	298	299	299	300	301	301	302	302	303	303	304	304	305	305	306	307	307	308	308	309	310	310	311	311	312	312	313	313	314	314	315	315	316	316	317	317	318	318	319	319	320	320	321	321	322																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
0.650	317	318	318	319	320	320	321	322	322	323	323	324	324	325	325	326	327	327	328	329	329	330	331	331	332	332	333	333	334	334	335	335	336	337	337	338	338	339	339	340	340	341	341	342	342	343																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
0.675	337	338	338	339	340	341	341	342	342	343	343	344	344	345	345	346	347	347	348	348	349	350	350	351	351	352	352	353	353	354	354	355	355	356	356	357	357	358	358	359	359	360	360	361	361	362	362	363	363	364	364	365																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
0.700	358	359	359	360	361	362	362	363	363	364	364	365	365	366	366	367	367	368	368	369	369	370	371	371	372	372	373	373	374	374	375	375	376	376	377	377	378	378	379	379	380	380	381	381	382	382	383	383	384	384	385	385	386	386	387																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
0.725	378	379	380	380	381	382	383	383	384	385	386	386	387	387	388	388	389	389	390	391	391	392	392	393	393	394	394	395	395	396	396	397	397	398	398	399	399	400	400	401	401	402	402	403	403	404	404	405	405	406	406	407	407	408	408	409																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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0.775	415	416	417	418	418	419	420	421	422	422	423	423	424	424	425	425	426	426	427	427	428	428	429	429	430	431	431	432	432	433	433	434	434	435	435	436	436	437	437	438	438	439	439	440	440	441	441	442	442	443	443	444	444	445	445	446	446	447	447	448	448	449																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
0.800	431	432	433	433	434	435	435	436	436	437	437	438	438	439	439	440	441	441	442	442	443	443	444	444	445	445	446	446	447	447	448	448	449	449	450	450	451	451	452	452	453	453	454	454	455	455	456	456	457	457	458	458	459	459	460	460	461	461	462	462	463	463	464	464	465	465	466	466	467																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
0.825	445	446	447	448	448	449	449	450	451	451	452	452	453	453	454	454	455	455	456	456	457	457	458	458	459	459	460	460	461	461	462	462	463	463	464	464	465	465	466	466	467	467	468	468	469	469	470	470	471	471	472	472	473	473	474	474	475	475	476	476	477	477	478	478	479	479	480	480	481	481	482	482	483	483	484	484	485	485	486	486	487	487	488	488	489	489	490	490	491	491	492	492	493	493	494	494	495	495	496	496	497	497	498	498	499	499	500	500	501	501	502	502	503	503	504	504	505	505	506	506	507	507	508	508	509	509	510	510	511	511	512	512	513	513	514	514	515	515	516	516	517	517	518	518	519	519	520	520	521	521	522	522	523	523	524	524	525	525	526	526	527	527	528	528	529	529	530	530	531	531	532	532	533	533	534	534	535	535	536	536	537	537	538	538	539	539	540	540	541	541	542	542	543	543	544	544	545	545	546	546	547	547	548	548	549	549	550	550	551	551	552	552	553	553	554	554	555	555	556	556	557	557	558	558	559	559	560	560	561	561	562	562	563	563	564	564	565	565	566	566	567	567	568	568	569	569	570	570	571	571	572	572	573	573	574	574	575	575	576	576	577	577	578	578	579	579	580	580	581	581	582	582	583	583	584	584	585	585	586	586	587	587	588	588	589	589	590	590	591	591	592	592	593	593	594	594	595	595	596	596	597	597	598	598	599	599	600	600	601	601	602	602	603	603	604	604	605	605	606	606	607	607	608	608	609	609	610	610	611	611	612	612	613	613	614	614	615	615	616	616	617	617	618	618	619	619	620	620	621	621	622	622	623	623	624	624	625	625	626	626	627	627	628	628	629	629	630	630	631	631	632	632	633	633	634	634	635	635	636	636	637	637	638	638	639	639	640	640	641	641	642	642	643	643	644	644	645	645	646	646	647	647	648	648	649	649	650	650	651	651	652	652	653	653	654	654	655	655	656	656	657	657	658	658	659	659	660	660	661	661	662	662	663	663	664	664	665	665	666	666	667	667	668	668	669	669	670	670	671	671	672	672	673	673	674	674	675	675	676	676	677	677	678	678	679	679	680	680	681	681	682	682	683	683	684	684	685	685	686	686	687	687	688	688	689	689	690	690	691	691	692	692	693	693	694	694	695	695	696	696	697	697	698	698	699	699	700	700	701	701	702	702	703	703	704	704	705	705	706	706	707	707	708	708	709	709	710	710	711	711	712	712	713	713	714	714	715	715	716	716	717	717	718	718	719	719	720	720	721	721	722	722	723	723	724	724	725	725	726	726	727	727	728	728	729	729	730	730	731	731	732	732	733	733	734	734	735	735	736	736	737	737	738	738	739	739	740	740	741	741	742	742	743	743	744	744	745	745	746	746	747	747	748	748	749	749	750	750	751	751	752	752	753	753	754	754	755	755	756	756	757	757	758	758	759	759	760	760	761	761	762	762	763	763	764	764	765	765	766	766	767	767	768	768	769	769	770	770	771	771	772	772	773	773	774	774	775	775	776	776	777	777	778	778	779	779	780	780	781	781	782	782	783	783	784	784	785	785	786	786	787	787	788	788	789	789	790	790	791	791	792	792	793	793	794	794	795	795	796	796	797	797	798	798	799	799	800	800	801	801	802	802	803	803	804	804	805	805	806	806	807	807	808	808	809	809	810	810	811	811	812	812	813	813	814	814	815	815	816	816	817	817	818	818	819	819	820	820	821	821	822	822	823	823

LMP2	Vehicles		Mass	Engine			Aero	Fuel			Notes
	Constructor		Minimum No Fuel/Driver (kg)	Make	Specification	Volume (L)	Maximum RPM	Configuration	Type	Total Capacity (L)	
			current				current			current	
Ligier	JS P217	950	Gibson	2023	4.2	8000 (1st to 5th) 8500 (6th)	See Table	E20	75.0	40.0	2023 Engine Intake and RPM Configuration. Max RPM: 8000 1-5th Gear Max RPM: 8500 6th Gear
ORECA	07	950	Gibson	2023	4.2	8000 (1st to 5th) 8500 (6th)	See Table	E20	75.0	40.0	2023 Engine Intake and RPM Configuration. Max RPM: 8000 1-5th Gear Max RPM: 8500 6th Gear

* Aero configuration is defined via the Aero Configuration table on the following page.

LMP2

LMP2 AERODYNAMIC CONFIGURATIONS		
		Assemblies
Constructor		
Ligier	JS P217	As homologated sprint configuration (FIA)
ORECA	07	As homologated sprint configuration (FIA)

FRONT AERODYNAMIC CONFIGURATIONS			
Optional Front Aerodynamic Configurations are Independent			
Dive Planes		Packers / Inserts	Other
Permitted Options		Permitted Configurations	Permitted Options
OPTION 1	None	As homologated sprint configuration (FIA)	None
OPTION 2	LDF		
OPTION 3	HDF		
OPTION 1	Double	As homologated sprint configuration (FIA)	None
OPTION 2	Lower only		

REAR AERODYNAMIC CONFIGURATIONS

Optional Rear Aerodynamic Configurations are Independent

Constructor		Tail Wicker			Rear Wing				Rear Wing Flap Wicker		
		Permitted Options	Type	Height	Permitted Range	Assembly	Main plane	Flap	Permitted Options	Span	Height
			mm	mm		Position	Degrees	Degrees		mm	mm
Ligier	JS P217	OPTION 1	Fitted	12.5	Range Minimum:	7.3°	As homologated		N/A		
		OPTION 2	Removed	-	Range Maximum:						
ORECA	07	OPTION 1	Fitted	16.3	Range Minimum:	Position 9	-8.6	20.5	OPTION 1	Full	10.0
		OPTION 2	Removed	-	Range Maximum:	Position 1	+1.0	33.3	OPTION 2	Removed	-

"Option" items are permitted to be chosen separately in each category.

Either option of diveplane may be chosen with either option of tail wicker and either option of rear wing wicker and with any rear wing position within the range shown in the table

GTD GTD PRO	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	current		
	Acura	NSX GT3		1320					7500	50.0	IMSA 100	0.88		112.0	40.0	EVO II
	Aston Martin	Vantage GT3 EVO		1325					7200	50.0	IMSA 100	0.91		106.0	40.0	
	BMW	M4 GT3		1320					7250	50.0	IMSA 100	1.10		99.0	40.0	
	Corvette	Z06 GT3.R		1345	1		50.0		8000	50.0	IMSA 100	0.88		102.0	40.0	
	Ferrari	296 GT3		1380					8000	50.0	IMSA 100	0.90		105.0	40.0	
	Ford	Mustang GT3		1315	2	+2.0	37.0	+13.8	8250	50.0	IMSA 100	0.88	+2	114.0	40.0	
	Lamborghini	Huracan GT3 EVO2		1370	1		51.0		8500	50.0	IMSA 100	0.91		113.0	40.0	
	Lexus	RC F GT3		1360	2		39.0		7200	50.0	IMSA 100	0.86		105.0	40.0	
	McLaren	720S GT3 EVO		1330					8000	50.0	IMSA 100	0.88		110.0	40.0	
	Mercedes	AMG GT3		1390	2		34.5		7700	50.0	IMSA 100	0.90		104.0	40.0	
	Porsche	911 GT3 R (992)		1360	2		39.5		9400	50.0	IMSA 100	0.89		97.0	40.0	

Acura NSX GT3

Engine Speed	Boost Ratio
[rpm]	current
2000	1.976
4000	1.976
4500	1.980
5000	2.029
5500	2.058
6000	2.074
6200	2.079
6300	2.089
6400	2.092
6500	2.090
6600	2.085
6700	2.073
6800	2.057
7000	2.022
7500	1.961
7800	1.000

Aston Martin GT3 EVO

Engine Speed	Boost Ratio
[rpm]	current
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 M4 GT3

Engine Speed	Boost Ratio
[rpm]	current
2000	2.058
3000	2.058
3500	2.058
4000	2.113
4500	2.179
5000	2.268
5250	2.328
5500	2.406
5750	2.494
6000	2.513
6250	2.533
6500	2.454
6750	2.363
7000	2.223
7250	2.117
7500	1.000

Ferrari 296 GT3

Engine Speed	Boost Ratio
[rpm]	current
2000	1.688
4000	1.688
4500	2.090
5000	2.365
5500	2.353
5750	2.364
6000	2.355
6250	2.356
6500	2.358
6750	2.339
7000	2.313
7250	2.289
7500	2.233
7750	2.182
8000	2.126
8500	1.000

McLaren 720S GT3 EVO

Engine Speed	Boost Ratio
[rpm]	current
2000	1.703
4000	1.703
4500	1.696
5000	1.690
5500	1.683
5750	1.664
6000	1.644
6250	1.615
6500	1.585
6750	1.541
7000	1.497
7250	1.463
7500	1.429
7750	1.424
8000	1.419
8300	1.000