



IMSA TECHNICAL BULLETIN IWSC #25-42

To: All IMSA WeatherTech SportsCar Championship Competitors
From: IMSA Competition
Date: April 3, 2025
Re: IMSA Balance of Performance: Grand Prix of Long Beach Event

One Daytona Blvd.
Daytona Beach, FL 32114
P: +1 (386) 310-60



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		Minimum Mass	Maximum Power				Energy		Fuel	
			Weight	N _{max}	Maximum Power		V1	V2	Maximum Stint Energy	Stint Energy Replenishment Rate	Type
	No Fuel/Driver	Speed ≤ V1	Speed ≥ V2								
	(kg)	(rpm)	(kW)	(%)	(km/h)	(km/h)	(MJ)	(MJ/sec)			
	Acura	ARX-06	1060	9512	491	+5.1	230	240	903	22.575	R80
	Aston Martin	Valkyrie	1038	8400	506	+0.4	230	240	902	22.550	R80
	BMW	M Hybrid V8	1030	8000	515	-2.1	230	240	899	22.475	R80
	Cadillac	V-Series.R	1056	8800	493	+4.9	230	240	903	22.575	R80
	Porsche	963	1049	8158	496	+2.8	230	240	899	22.475	R80

Regulatory BoP Parameter	GTP	Unit
PPULimit_BoP	0	kW
PPULimitRate_BoP	0.2	kW
PPUMaxIntegral_BoP	10	kJ
PPURate_BoP	20	kW
TDT_LimitRate_BoP	10	Nm*s
TDT_MaxIntegral_BoP	150	Nm*s

*Linear interpolation used between V1 and V2.

		Maximum Power (kW)																																											
		480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520			
Engine Speed (N/Nmax)	<0.550	236	237	237	238	238	239	239	240	240	241	241	242	242	243	243	244	244	245	245	246	246	247	247	248	248	249	249	250	250	251	251	252	252	253	253	254	254	255	255	256	256			
	0.550	236	237	237	238	238	239	239	240	240	241	241	242	242	243	243	244	244	245	245	246	246	247	247	248	248	249	249	250	250	251	251	252	252	253	253	254	254	255	255	256	256			
	0.575	258	259	259	260	260	261	261	262	262	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	284	284	285	285	286	287	287	288	288	289	290	290	291	291	292	292	293	293	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	304	304	305	305	306	307	307	308	308	309	310	310	311	312	312	313	314	314	315	316	316	317	317	318	319	319	320	321	321	322			
	0.650	317	318	318	319	320	320	321	322	322	323	324	324	325	325	326	327	327	328	329	329	330	331	331	332	333	333	334	335	335	336	337	337	338	338	339	340	340	341	342	342	343			
	0.675	337	338	338	339	340	341	341	342	343	343	344	345	345	346	347	348	348	349	350	350	351	352	352	353	354	355	355	356	357	357	358	359	359	360	361	362	362	363	364	364	365			
	0.700	358	359	359	360	361	362	362	363	364	364	365	366	366	367	368	369	369	370	371	371	372	373	374	374	375	376	377	377	378	379	380	380	381	382	383	383	384	385	386	386	387			
	0.725	378	379	380	380	381	382	383	383	384	385	386	386	387	388	389	389	390	391	392	392	393	394	395	395	396	397	398	399	399	400	401	402	403	403	404	405	406	407	407	408	409			
	0.750	397	398	399	399	400	401	402	403	403	404	405	406	407	407	408	409	410	411	411	412	413	414	415	416	416	417	418	419	420	421	422	422	423	424	425	426	427	427	428	429	430			
	0.775	415	416	417	418	418	419	420	421	422	423	424	424	425	426	427	428	429	429	430	431	432	433	434	435	435	436	437	438	439	440	441	441	442	443	444	445	446	446	447	448	449			
	0.800	431	432	433	434	435	436	436	437	438	439	440	441	442	443	444	445	445	446	447	448	449	450	451	452	453	454	454	455	456	457	458	459	460	461	462	463	464	465	466	466	467			
	0.825	445	446	447	448	449	450	451	452	453	454	455	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	469	470	471	472	473	474	475	476	477	478	479	480	481	482	482	483		
	0.850	456	457	458	459	460	461	462	463	464	465	466	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	485	486	487	488	489	490	491	492	493	494	495	495	
	0.875	466	467	468	469	470	471	472	473	474	475	476	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508
	0.900	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515
0.925	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	
0.950	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520				
0.975	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520		
1.000	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	
1.025	410	411	412	413	413	414	415	416	417	418	419	419	420	421	422	423	424	424	425	426	427	428	429	430	430	431	432	433	434	435	436	436	437	438	439	440	441	441	442	443	444				

GTD	Vehicles		Minimum Mass	Maximum Power				Rear Wing Angle		Energy		Fuel	Notes	
	Manufacturer	Car Model	Weight No Fuel/Driver (kg)	N _{max} (rpm)	% of Maximum Declared Power*		V1 (km/h)	V2 (km/h)	Minimum** (deg)	Maximum** (deg)	Maximum Stint Energy (MJ)	Stint Energy Replenishment Rate (MJ/sec)	Type	
					Speed ≤ V1 (%)	Speed ≥ V2 (%)								
Aston Martin	Vantage GT3 EVO	1323	7000	92.1	89.4	190	200	9.0	ITEF maximum	882	22.050	IMSA 100		
BMW	M4 GT3 EVO	1345	7250	96.5	91.2	190	200	3.0	ITEF maximum	874	21.850	IMSA 100		
Corvette	Z06 GT3.R	1354	8000	99.0	95.1	190	200	4.9	ITEF maximum	882	22.050	IMSA 100		
Ferrari	296 GT3	1353	7750	88.3	86.5	190	200	4.7	ITEF maximum	875	21.875	IMSA 100		
Ford	Mustang GT3	1328	8250	100.0	94.6	190	200	5.0	ITEF maximum	875	21.875	IMSA 100	9.3.1.c Maximum Height 2.3 m, 9.8.2 does not apply.	
Lamborghini	Huracan GT3 EVO2	1370	8300	91.0	89.4	190	200	8.7	ITEF maximum	899	22.475	IMSA 100		
Lexus	RC F GT3	1356	7200	98.4	97.2	190	200	12.0	ITEF maximum	931	23.275	IMSA 100		
Mercedes	AMG GT3	1344	7900	91.9	94.3	190	200	7.0	ITEF maximum	909	22.725	IMSA 100		
Porsche	911 GT3 R (992)	1362	8950	99.9	100.0	190	200	10.0	ITEF maximum	877	21.925	IMSA 100		

* Linear interpolation used between V1 and V2

For N/N_{max} < 0.55, maximum power is equal to N/N_{max} = 0.55

Linear interpolation used between each 0.025 step from 0.55 to 1.025 N/N_{max}

For N/N_{max} ≥ 1.025, maximum power is 0.856 of maximum power at N/N_{max} = 1.000

Declared power varies - comparisons between cars are invalid

** Angle at Y=0 using measurement described in ITEF (stated minimum angle includes tolerance)

Regulatory BoP Parameter	GTD	Unit
PPULimit_BoP	0	kW
PPULimitRate_BoP	1.0	kW
PPUMaxIntegral_BoP	10	kJ
PPURate_BoP	20	kW