



**Balance of Performance Bulletin:
Round 5 – Hankook 12H SPA-FRANCORCHAMPS
Dated: 26.09.2017**

To Sporting & Technical Regulations 24H TCE SERIES 2017
(with KNAF-permit No.: 0314.16.261)

Subject: BOP Hankook 12H SPA-FRANCORCHAMPS– 6-7-8 October 2017

Dear Teams and Drivers

In this bulletin you will find the Balance of Performance (BOP) and applicable Minimum Reference lap times for this specific event.

This BOP and other figures are in force with immediate application and replaces the figures of appendix 10 of the Sporting & Technical regulations and eventually previously published BOP-figures.

Notes on boost control:

Control of Pboost strategy as per document attached (Appendix: Control of Pboost strategy), for all cars of which Pboost max is specified.

KNAF

Knac Nationale Autosport Federatie

KNAF approved at: 26 September 2017
With KNAF Permit nr: 0314.17.262

24H TCE SERIES 24H TOURING CAR ENDURANCE SERIES

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Petrol & Diesel Touring cars, up to 3500cc

Class	Cylinder capacity		Minimum Weight	Max Refuelling amount	Remarks	
D1	Diesel cars up to 2000cc		1100 kg	100L	Min ref lap time* 2min45 (Spa) Theoretical Min Ref lap time 2min44	
			1200 kg	120L		
A2	Petrol (up to - 2.000cc)	up to 1.300cc	710 kg	80 L	Min ref lap time* 2min45 (Spa) Theoretical Min Ref lap time 2min44	
		1.300 - 1.400cc	760 kg	80 L		
		1.400 - 1.600cc	820 kg	90 L		
		1.600 - 1.800cc	900 kg	100 L		
		1.800 - 2.000cc	980 kg	100 L		
	Petrol Supercharged engines (up to 1.650cc)	Supercharged engines up to 1.650cc	1000kg	70 L		
Peugeot RCZ 1.600cc / Turbo		1100 kg	80 L			
A3	Petrol (2.000 - 3.500cc)	2.000 - 2.500cc	1000 kg	120 L	Min ref lap time* 2min39 Theoretical Min Ref time 2min38	
		2.500 - 3.000cc	1100 kg	120 L		
		3.000 - 3.500cc	1200 kg	120 L		
	Petrol Supercharged engines (1.650 - 2.000cc)	Peugeot 208 GTI 1.600cc / Turbo	1050 kg	85 L		
		1.650 – 1.800cc	900 kg	100 L		e.g. Lotus Elise 1.8 Turbo
			1000 kg	120 L		e.g. Seat Leon MK1
		1.800 – 2.000cc	1000 kg	90 L		e.g. Seat Leon MK2, Opel Astra (NO TCR cars)
			1100 kg	100 L		
	1200 kg	120 L				
	Diesel 2.000 – 3000cc	2.000 – 2.500cc	1100 kg	85 L		
2.500 – 3.000cc		1200 kg	85 L			
CUP 1	BMW M235i Cup	3.000cc Twin Turbo	Remarks	Remarks	According to BMW M235i Cup regulations	
TCR	Supercharged engines 2.000cc		See art. 5b	100 L	(Models 2015 and younger)	

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Class TCR

Brand & Type	Minimum Weight	Max Refuelling amount	Ride height	TCR Technical form Certification Nr. / Variant Option	Remarks
ALFA ROMEO GIULIETTA TCR RF	TBA	100 L	70 mm	6	
AUDI RS3 LMS DSG (2017)	1230 kg	100 L	70 mm	9 & VO 18	
AUDI RS3 LMS SEQ (2017)	1250 kg	100 L	70 mm	10 & VO 18	
FORD FOCUS TCR	TBA	100 L	70 mm	TBA	
HONDA CIVIC TCR SEQ (2016)	1200 kg	100 L	70 mm	001 & VO 20	
HONDA CIVIC TCR SEQ (2017)	1240 kg	100L	70 mm	11 & VO 20	
KIA CEE'D TCR	TBA	100 L	TBA	TBA	
LADA VESTA TCR	1250 kg	100 L	70 mm	TBA	95% power
OPEL ASTRA TCR	1240 kg	100 L	70 mm	TBA	95% power
PEUGEOT 308 RACING CUP	1100 kg	95 L	70 mm	TBA	
SEAT LEON CUP RACER V1 DSG (2015)	1200 kg	100 L	60 mm	TCN2-C-001	
SEAT LEON TCR V2 DSG (2016)	1200 kg	100 L	60 mm	004	
SEAT LEON TCR V2 SEQ (2016)	1200 kg	100 L	70 mm	002	
SEAT LCR TCR V3 DSG (2017)	1220 kg	100 L	70 mm	15 & VO 17	
SEAT LEON TCR V3 SEQ (2017)	1240 kg	100 L	70 mm	TBA	
SUBARU STI TCR	TBA	100 L	TBA	007	
VOLKSWAGEN GOLF GTI TCR SEQ (2016)	1210 kg	100 L	70 mm	003	
VOLKSWAGEN GOLF GTI TCR DSG (2017)	1200 kg	100 L	70mm	TBA	
VOLKSWAGEN GOLF GTI TCR SEQ (2017)	1220 kg	100 L	70 mm	14 & VO 19	

Your (TCR) car not listed here? Please make an individual request to info@creventic.com

- Maximum Absolute Supercharging Pressure, according TCR-International: Technical Bulletin No.16 (Date: 2017, July, 7th)
- Waiver regarding Rear wing, acc. Technical Bulletin No.16 (Date: 2017, July, 7th) is applicable.

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Exceptional cars, class SP3-GT4

BOP / Minimum reference lapttime table for class SP3-GT4

Ginetta G55 2016 or older (without any of 2017 upgrade parts):

- Refuel amount according SP3-GT4-BOP-Table

Ginetta G55 with new-for-2017 upgrades:

- TBA

KTM X-bow GT4: Fixed BOP:

- Minimum weight: 1100 kg
- Pboost max is: 2,3bar (independent of ambient air pressure)
- Max rpm: 7000 rpm (at all gears)
- The car must be equipped with a data logger including pressure sensor according art.4.10 of chapter II of the Sporting & Technical Regulations.
- Ride Height is free
- Refuel amount according SP3-GT4-BOP-Table

Mercedes-AMG GT4

- Minimum weight: 1450 kg
- Power: 350 KW
- Max Turbo Boost (absolute): 1,9bar
- The car must be equipped with a data logger including pressure sensor according art.4.10 of chapter II of the Sporting & Technical Regulations.
- Refuel amount according SP3-GT4-BOP-Table
- The Turbo Boost control strategy is according to the Appendix to this balance of performance bulletin Bulletin

For all other SP3-GT4 cars:

Class	Minimum reference time / Theoretical Min. Ref. time	Max. refuelling amount				
		Minimum Weight 750 kg	Minimum Weight 1000kg	Minimum Weight 1100kg	Minimum Weight 1200kg	Minimum Weight 1300kg
SP3-GT4*	Min ref lap time* 2min32 (Spa) Theoretical Min Ref lap time 2min31	60 L	70 L	80 L	90 L	100 L
	Min ref lap time* 2min33 (Spa) Theoretical Min Ref lap time 2min32	70 L	80 L	90 L	100 L	110 L
	Min ref lap time* 2min34 (Spa) Theoretical Min Ref lap time 2min33	80 L	90 L	100 L	110 L	120 L
	Min ref lap time* 2min35 (Spa) Theoretical Min Ref lap time 2min34	90 L	100 L	110 L	120 L	120 L

Appendix: Control of Pboost strategy

