

**Balance of Performance Bulletin:
Round 4 – 24 Hores de Barcelona
Dated: 11.08.2017**

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

Subject: BOP 24 Hores de Barcelona– 1-2-3 September 2017

Dear Teams and Drivers

In this bulletin you will find the Balance of Performance (BOP) and applicable Minimum Reference lap times for **24 Hores de Barcelona – 1-2-3 September 2017**.

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: 15th August 2017
With KNAF Permit nr: 0314.17.226

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* 2min08 (Barcelona) Theoretical Min Ref lap time 2min07	
			1200 kg	120L		
A2	Petrol (up to - 2.000cc)	up to 1.300cc	710 kg	80 L	Min ref lap time* 2min08 (Barcelona) Theoretical Min Ref lap time 2min07	
		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* 2min04 (Barcelona) Theoretical Min Ref time 2min03	
		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)	



24H TOURING CAR ENDURANCE SERIES

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

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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

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	Minimum Weight 1400kg
SP3- GT4*	Min ref lap time* 1min59 (Barcelona) Theoretical Min Ref lap time 1min58	50 L	60 L	70 L	80 L	90 L	100 L
	Min ref lap time* 2min00 (Barcelona) Theoretical Min Ref lap time 1min59	60 L	70 L	80 L	90 L	100 L	110 L
	Min ref lap time* 2min01 (Barcelona) Theoretical Min Ref lap time 2min00	70 L	80 L	90 L	100 L	110 L	120 L
	Min ref lap time* 2min02 (Barcelona) Theoretical Min Ref lap time 2min01	80 L	90 L	100 L	110 L	120 L	120 L

Appendix: Control of Pboost strategy

