

AR Motorsport Morgan Challenge Technical Regulations 2023

Motorsport UK Blue Book Regulations apply to all appendices

Class 4

185 Mean BHP per Tonne

Specification

Appendix 2

D

S

Permitted - Only if it shows "v"

4 SPD

4 Spd

5 Spd

(2)

(3)

(4)

(5)

(6)

inc 170
(7)

(8)

(9)

+4

Prohibited - If it shows "X"

Rover

Rover

Rover

Ford Kent

Fiat

Rover M/T

TR

Zetec

Zetec

Ford Sigma

Duratec I4

Club Sport

Para	Max Capacity cc	3612	3612	3612	1700	2100	2100	2300	1814	1998	1700	2000	2000
5.7 Engine General Blocks													
5.7.1 Std bore + rebore up to maximum capacity	v	v	v	v	v	v	v	v	v	v	v	v	v
5.7.1 Heads													
5.7.1 Use of production Twin cam heads						v	v		v	v	v	v	v
5.7.1 Modified cylinder heads, Std production valves, No adding of material.						v	v		v	v			
5.7.1 Modified heads, but No adding of material					v	v	v	v	v	v	v		
5.7.1 Valve sizes - Free					v	v	v	v	v	v	v		
5.7.1 Omex valve springs. Part No: OMEP 4022												v	
5.7.1 Uprated valve springs	v	v	v	v	v	v	v	v	v	v	v		v
5.7.1 Crankshafts & Conrods													
5.7.1 Crankshaft free - Std firing order					v	v	v	v	v	v	v		
5.7.1 Connecting rods - Free					v	v	v	v	v	v	v		
5.7.1 Pistons													
5.7.1 Pistons - Free					v	v	v	v	v	v	v		
5.7.1 Pistons free may protrude above cylinder block								v			v		
5.7.1 Compression ratio													
5.7.1 Compression ratio - Free					v			v					
5.7.1 Max compression ratio 12.5:1											v		
5.7.1 Max compression ratio 11.5:1									v				
5.7.1 Max compression ratio 11:1						v	v			v			
5.7.1 Max compression ratio 10.5:1	v	v	v	v								v	v
5.7.1 Max compression ratio 9.35:1		v	v	v									
5.7.1 Engine RPM													
5.7.1 Engine RPM - Free					v								
5.7.1 Max Engine RPM 8250											v		
5.7.1 Max Engine RPM 7500						v	v	v	v	v			
5.7.1 Max Engine RPM 7000							v					v	
5.7.1 Max Engine RPM 6750													v
5.7.1 Max Engine RPM 6250	v	v	v	v									
5.7.1 Camshafts													
5.7.1 Cam shaft - Free - position in block or head Std					v			v					
5.7.1 Std cams												v	v
5.7.1 Std P6 or SD1	v	v	v	v									
5.7.1 Omex - Inlet cam. Or Kent - OMC005. Omex - Exhaust cam. Or Kent: OMC006.												v	
5.7.1 Propriety manufactured & available Camshafts Maximum Duration 285°						v	v		v	v	v		
5.7.1 Followers - Free	v	v	v	v	v	v	v	v					
5.7.1 Ali or Steel rocker arms - Std Ratio	v	v	v	v									
5.7.1 Modified rocker arms					v			v					
5.7.1 Steel or Ali pillars with Outrigger Supports					v			v					
5.7.1 Camshaft / valve / head configurations not used by MMC in production - (SLR only)								v					
5.7.4 Lubrication													
5.7.4 Dry Sumping					v								
5.7.4 Sump pan may be baffled for oil control													v

