

AR Motorsport Morgan Challenge Technical Regulations 2023

Motorsport UK Blue Book Regulations apply to all appendices

Class 3		200 Mean BHP per Tonne													
Para	Appendix 2	Specification	Specification			Specification									
		C	R	D											
5.2	Permitted - Only if it shows "v" Prohibited - If it shows "X"	8 Cyl	6Cyl	+4 SS (9)	Moss 4 Spd	Rover 4 Spd	Rover 5 Spd	X Flo (2)	Fiat (3)	M/T (4)	TR (5)	Zetec (6)	Sigma (7)	Sigma (8)	Dura (9)
5.2	Maximum engine capacities	4000	2999	2000	3612	3612	3612	1700	2100	2100	2300	1814	1998	1600	2000
5.7 Engine General Blocks															
5.7.1	Cross bolted blocks	v													
5.7.1 Heads															
5.7.1	Use of production Twin cam heads		v	v					v	v		v	v	v	v
5.7.1	Modified cylinder heads, No adding of material, Std production valves								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	
5.7.1	Omex valve springs. Part No: OMEP 4022														v
5.7.1	Up-rated valve springs	v	v	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				
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	v	v	v		v	v	v	v	
5.7.1 Compression ratio															
5.7.1	Compression ratio - Free										v				
5.7.1	Max compression ratio 12.5:1							v						v	
5.7.1	Max compression ratio 11.5:1								v	v			v		
5.7.1	Max compression ratio 11:1												v		
5.7.1	Max compression ratio 10.5:1				v										v
5.7.1	Max compression ratio 10:1		v	v											
5.7.1	Max compression ratio 9.75:1	v													
5.7.1	Max compression ratio 9.35:1						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 7600			v											
5.7.1	Max Engine RPM 7500								v		v	v	v		
5.7.1	Max Engine RPM 7000		v							v					v
5.7.1	Max Engine RPM 6750														
5.7.1	Max Engine RPM 6500	v													
5.7.1	Max Engine RPM 6250				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	v											
5.7.1	Std P6 or SD1				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	Solid Lifters			v						v					
5.7.1	Followers - Free	v			v	v	v	v	v		v				
5.7.1	Alu or Steel rocker arms - Std Ratio	v			v	v	v								
5.7.1	Modified rocker arms							v			v				
5.7.1	Steel or Alu 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							
5.9.1 Clutch & Flywheel															
5.9.1	Flywheel - Free							v	v	v	v	v	v	v	v
5.9.1	Clutch Size - Free							v	v	v	v	v	v	v	v
5.9.1	Lightened Flywheel	v			v	v	v								
5.9.1	Solid replacement for dual mass flywheel, at 75% of Std weight		v	v										v	v
5.7.7 Ignition Systems															
5.7.7	Ignition / ECU - Free							v	v	v		v	v	v	v
5.7.7	Std Morgan production ECU system		v												
5.7.7	Morgan challenge ECU system	v													
5.7.7	Challenge series approved Omex Ecu (Locked)			v											
5.7.7	Morgan / Aero Racing supplied ECU (Locked)														
5.7.7	Ecu's are liable to be changed by the organisers for another of the same type & specification	v	v	v											
5.7.7	Electronic Ignition (not programmable on carb / injection / distributor cars)	v			v	v	v				v				

