

# Morgan Challenge Technical Regulations 2024

Motorsport UK Blue Book Regulations apply to all appendices

Class 3		215 Mean BHP per Tonne													
Appendix 2		Specification			Specification										
Para		C	R		D										
	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) (7)		Sigma (8)	Dura (9)
5.2	Maximum engine capacities	4000	2999	2000	3612	3612	3612	1700	2100	2100	2300	1814	1998	1600	2000
<b>5.7</b>	<b>Engine General</b>														
	<b>Blocks</b>														
5.7.1	Cross bolted blocks	v													
<b>5.7.1</b>	<b>Heads</b>														
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	Uprated valve springs	v	v	v	v	v	v	v	v	v	v	v	v	v	v
<b>5.7.1</b>	<b>Crankshafts &amp; Conrods</b>														
5.7.1	Crankshaft free - Std firing order							v			v				
5.7.1	Connecting rods - Free							v	v	v	v	v	v	v	
<b>5.7.1</b>	<b>Pistons</b>														
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	
<b>5.7.1</b>	<b>Compression ratio</b>														
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			
5.7.1	Max compression ratio 11:1								v	v			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								
<b>5.7.1</b>	<b>Engine RPM</b>														
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								
<b>5.7.1</b>	<b>Camshafts</b>														
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	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				
<b>5.7.4</b>	<b>Lubrication</b>														
5.7.4	Dry Sumping							v	v	v	v	v	v	v	v
<b>5.9.1</b>	<b>Clutch &amp; Flywheel</b>														
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	v	v							v	v

