

SPEKIFIKASI

MotorPrix



Machine (Year production)	MP1 (150) Mesin Vertikal	MP2 (130) Mesin Horizontal	MP3 (150) Mesin Vertikal dan Horizontal	MP4 (130) Mesin Horizontal	MP5 (150) Mesin Vertikal	MP6 (130) Mesin Horizontal
1.1 Cylinder Head	Standart *12	Standart *12	Standart *12	Standart *12	Standart	Standart *13
1.1 a. Valve						
a.1 Size	4 Valve 25mm	31mm	25mm 4 valve 26 mm 2 valve	26mm	Standart	STD
a.2 Material	FREE	FREE	FREE	FREE	STD	STD
a.3 Quantity	STD	STD	STD	STD	STD	STD
a.4 Valve seat	FREE	FREE	FREE	FREE	FREE	FREE
a.5 Valve Spring	FREE	FREE	FREE	FREE	FREE	FREE
a.6 Valve Spring Retainer	FREE	FREE	FREE	FREE	FREE	FREE
a.7 Valve Shim	FREE	FREE	FREE	FREE	FREE	FREE
1.1.b Camshaft	FREE	FREE	FREE	FREE	FREE	FREE
b.1. Type	STD	STD	STD	STD	STD	STD
b.2. Material	FREE	FREE	FREE	FREE	STD	FREE
b.3. Cam lobe profile	FREE	FREE	FREE	FREE	FREE	FREE
b.3. Cam sprocket	FREE	FREE	FREE	FREE	FREE	FREE
b.3. Cam chain	FREE	FREE	FREE	FREE	FREE	FREE
b.3. Cam chain tensioner	FREE	FREE	FREE	FREE	FREE	FREE
1.1.c Rocker Arm	FREE	FREE	FREE	FREE	STD	STD
c.1 Material	STD	STD	STD	STD	STD	STD
c.2 Type	FREE	FREE	FREE	FREE	STD	STD
c.3 Valve Shim	FREE	FREE	FREE	FREE	FREE	FREE
c.4 Retainer	FREE	FREE	FREE	FREE	FREE	FREE
c.5 Cam Chain	FREE	FREE	FREE	FREE	FREE	FREE
c.6 Otomatis Tensioner	FREE	FREE	FREE	FREE	FREE	FREE

1.1. d	Cylinder Head cover	Standart	FREE	STD	FREE	Standart	Standart
1.2	Cylinder Block	STD	STD	STD	STD	STD	STD
1.2.1.	Material	STD	STD	STD	STD	STD	STD
1.2.2	Liner	FREE *1	FREE	FREE	FREE	STD	FREE
1.2.3	Gasket	FREE	FREE	FREE	FREE	FREE	FREE
1.3	Piston	FREE	FREE	FREE	FREE	STD	FREE
1.3.1.	Material	FREE	FREE	FREE	FREE	STD	FREE
1.3.2.	Ring type	STD	STD	STD	STD	STD	STD
1.3.2.	Ring quantity	FREE	FREE	FREE	FREE	STD	FREE
1.3.2.	Ring thickness	FREE	FREE	FREE	FREE	STD	FREE
1.3.2.	Ring groove quantity	STD	STD	STD	STD	STD	STD
1.4.	Crankshaft	Standart *14	Standart *14	Standart *14	Standart *14	Standart	Standart *14
1.4.1	Material	STD	STD	STD	STD	STD	STD
1.4.2.	Size	STD	STD	STD	STD	STD	STD
1.4.3.	Conecting rod	STD	STD	STD	STD	STD	STD
1.4.4.	Length Conecting rod	STD	STD	STD	STD	STD	STD
1.4.5.	Pin	STD	STD	STD	STD	STD	STD
1.5.	Cranckcase						
1.5.1.	Material	STD	STD	STD	STD	STD	STD
1.5.2.	Oil pump	STD	FREE	STD	FREE	STD	STD
1.6.	Magnet						
1.6.1	Type	FREE	FREE	Standart *19	Standart *19	Standart *19	Standart *10
1.6.2.	Cover	FREE	FREE	Standart	Standart	Standart	Standart
1.6.3.	Cluts stater	FREE	FREE	FREE	FREE	STD Boleh dibubut	FREE
1.7. Transmission							
1.7.1	Primary Gear	STD	FREE	STD	STD	STD	STD

1.7.2	Gear Box	FREE	FREE	FREE	FREE	FREE	FREE
1.7.3.	Gear (speed)	Max 6	Max 4	Max 6 (Mesin vertikal) dan Max 4 (Mesin Horizontal)	Max 4	Max 6	Max 4
1.7.4.	Final Gear	FREE	FREE	FREE	FREE	FREE	FREE
1.8.	Clutch	STD	FREE	FREE	FREE	STD	FREE
1.8..1	Type	Wet	Wet	Wet	Wet	Wet	Wet
1.8.2.	Material	FREE	FREE	FREE	FREE	FREE	FREE
1.8.3.	Cover	STD	FREE	FREE	FREE	STD	FREE
1.9	Carburator- Injection						
1.9.1.	Carburator	No carb	No carb	30mm	24mm	No carb	No carb
1.9.2.	Intake manifold	FREE	FREE	FREE	FREE	Standart	Standart *6
1.9.3.	Intake manifold position	FREE	FREE	FREE	FREE	STD	STD
1.9.4.	Throttle Body	Butterfly 33mm / Barrel 30mm	Butterfly 30mm / Barrel 28mm	Butterfly 32mm / Barrel 30mm	Butterfly 26mm / Barrel 24mm	STD max32mm	Standart *6
1.9.5.	Injector	Max 2	Max 2	Max 1	Max 1	Max 1	Max 1
Note: Carburation system can be converted to injection system, Injection system cannot be converted to carburation system							
1.10	Ignition						
1.10.1.	Wiring-Harnes	FREE	FREE	FREE	FREE	FREE	FREE
1.10.2.	Coil	FREE	FREE	FREE	FREE	FREE	FREE
1.10.3	Spark plug	FREE	FREE	FREE	FREE	FREE	FREE
1.10.4	Quick Shifter	YES	YES	NO	NO	NO	NO
1.11	ECU	FREE	FREE	FREE	FREE	FREE	FREE
1.12	Exhaust	FREE	FREE	FREE	FREE	FREE	FREE

1.13	Oil Cooler	FREE *17	FREE	FREE *17 Mesin Horizontal boleh ditambah Oil Cooler	FREE	STD	FREE
1.14.	Radiator	FREE *12	STD	FREE *12	STD	STD	STD
1.14.1	Air Radiator	Air Mineral					
1.15	Dinamo stater	FREE	FREE	FREE	FREE	Berfungsi	FREE
1.16.	Battery	FREE	FREE	FREE	FREE	FREE	FREE
2.	B O D Y - CHASSIS						
2.1.	Frame	STD Modif	STD Modif	STD Modif	STD Modif	STD Modif	STD Modif
2.1.1	Frame Material	Standart *11	Standart *11	Standart *11	Standart *11	STD	STD
2.1.2	Sub Frame	FREE	FREE	FREE	FREE	FREE	FREE
2.1.3	Sub Frame Material	FREE	FREE	FREE	FREE	FREE	FREE
2.1.4	VIN/ Frame Number	Required	Required	Required	Required	Required	Required
2.2.	Front suspension	Stock Production	Stock Production	Stock Production	Stock Production	Stock Production	Stock Production
2.2.1	Fork	STD	STD	STD	STD	STD	STD
2.2.2 S	pring Fork	FREE	FREE	FREE	FREE	FREE	FREE
2.2.3.	Oil Fork	FREE	FREE	FREE	FREE	FREE	FREE
2.2.4.	Valve	FREE	FREE	FREE	FREE	FREE	FREE
2.3.	Rear Suspension						
2.3.1	Swing Arm	Stock Production	Stock Production	Stock Production	Stock Production	Stock Production	Stock Production
2.3.2.	Shock absorber	FREE	FREE	FREE	FREE	FREE	FREE
2.3.3.	Type	STD	STD	STD	STD	STD	STD
2.3.4.	Chain Guard	must	must	must	must	Must	Must
2.4.	Under Bracket						
2.4.1	Upper	FREE	FREE	FREE	FREE	FREE	FREE

2.4.2.	Bottom	Stock Production	Stock Production	Stock Production	Stock Production	Stock Production	Stock Production
2.4.3.	Material	STD	STD	STD	STD	STD	STD
2.5.	Handle Bar						
2.5.1.	Hand Guard	FREE	FREE	FREE	FREE	FREE	FREE
2.6.	Brakes						
2.6.1.	Brake lines	Steel	Steel	Steel	Steel	Steel	Steel
2.6.2.	Caliper	FREE	FREE	FREE	FREE	FREE	FREE
2.6.3.	Master	FREE	FREE	FREE	FREE	FREE	FREE
2.6.4.	Disc Brakes	FREE	FREE	FREE	FREE	FREE	FREE
2.6.5.	Brake pads	FREE	FREE	FREE	FREE	FREE	FREE
2.7.	Fuel tank						
2.7.1.	Position	STD	FREE	FREE	FREE	STD	FREE
2.7.2.	Capacity	STD	STD	STD	STD	STD	STD
2.7.3.	Fuel pump	STD	FREE	FREE	FREE	STD	FREE
2.8.	Wheels						
2.8.1.	Material	Aluminium/Besi	Aluminium/Besi	Aluminium/Besi	Aluminium/Besi	Aluminium/Besi	Aluminium/Besi
2.8.2.	Width	FREE	Max 2.15 inch	FREE	Max 1.85	FREE	Max 160 inch
2.8.3.	Diameter	STD	STD	STD	STD	STD	STD
2.9.	Fairing						
2.9.1.	Seat	FREE	FREE	FREE	FREE	FREE	FREE
2.9.2.	Steering Damper	FREE	FREE	FREE	FREE	FREE	FREE
2.10.	Weight (Motor + Rider tanpa Fuel)						
2.10.1.	Fuel Injection System	150kg	145kg	150kg	140kg	135kg	130 kg
2.10.2.	Fuel Carb. System			152kg	142kg		

NOTE:

- *1 Material Liner Cylinder, Block bebas, asal besi ke besi, diasil / hard chrom mengikuti bawaan motor
- *2 Standart Stock/bawaan motor, Porting, Polish, Welding, Altered Valve Angle
- *3 Porting, Polish, Welding, Altered down Valve Seat, dudukan lubang baut leher angsa tidak boleh dirubah dan dibubut (boss klep & setting klep boleh diganti atau dirubah)
- *4 Crankshaft boleh diperkeras (pen nya boleh di las)
- *5 Carbulator Standart bentuk luar akan tetapi tidak boleh dipotong, tidak boleh ada lem bagian luar, Choke boleh dicabut dan bisa diganti dengan varian motor yang sejenis dan cc yang sama, bagian dalam bebas
- *6 Leher angsa Standart tidak boleh dipotong bagian dalam bebas
- *7 Motor yg asalnya menggunakan Oil Cooler, boleh di perbesar tetapi tidak boleh dilakukan penambahan radiator
- *8 Lubang baut Timing Gear boleh dirubah
- *9 Standart boleh dibubut akan tetapi magnet berfungsi dan clutch starter boleh dibubut / dibuang
- *10 Standart Magnet hanya boleh dirubah dibagian pulser, dan dibagian Clutch Starter hanya boleh dibubut.
- *11 Rangka boleh dipotong dan dudukan atas shockbeker belakang boleh dirubah
- *12 Motor yg asalnya pakai radiator boleh diperbesar tetapi tidak boleh menggunakan Oil Cooler

No rangka dan No mesin harus ada

Pengukuran cc dibawah 0,49 dianggap 0 cc dan 0,50 dianggap 1 cc

Apa yang tidak tercantum tidak boleh dirubah

TAHUN 2018, MP 3 dan MP 4 MENGGUNAKAN SISTEM INJEKSI

SPEKIFIKASI MATIC



MATIC	MATIC 130cc Standart	MATIC 130cc Tune up	MATIC 150cc Standart	MATIC 150cc Tune up	MATIC 250cc Tune up
1.1 CYLINDER HEAD	Standart *1	Standart *1	Standart *1	Standart *1	Standart *1
1.1 a. Valve					
a.1 Size	Standart	Standart	MAX 28	MAX 28	MAX 34
a.2 Material	Standart	FREE	Standart	FREE	FREE
a.3 Quantity	Standart	Standart	Standart	Standart	Standart
a.4 Valve seat	FREE	FREE	FREE	FREE	FREE
a.5 Valve Spring	FREE	FREE	FREE	FREE	FREE
a.6 Lubang Intake	Standart	FREE	FREE	FREE	FREE
1.1.b CAMSHAFT	FREE	FREE	FREE	FREE	FREE
b.1 Type	Standart	Standart	Standart	Standart	Standart
b.2 Material	FREE	FREE	FREE	FREE	FREE
b.3 Cam sprocket	Standart *1	Standart *2	Standart *2	Standart *2	FREE
b.4 Tensioner	Standart	FREE	Standart	FREE	FREE
1.1.c ROCKER ARM	Standart	Standart	Standart	Standart	FREE
c.1 Material	Standart	Standart	Standart	Standart	Standart
c.2 Type	Standart	Standart	Standart	Standart	Standart
c.3 Valve Shim	FREE	FREE	FREE	FREE	FREE
c.4 Retainer	Standart	Standart	Standart	Standart	FREE
c.5 Cam Chain	FREE	FREE	FREE	FREE	FREE
1.1.d CYLINDER HEAD COVER	Standart	Standart	Standart	Standart	FREE
1.2 CYLINDER BLOCK	Standart *1	Standart *1	FREE	FREE	FREE
1.2.1 Material	Standart	Standart	Standart	Standart	FREE
1.2.2 Liner	FREE	FREE	FREE	FREE	FREE
1.2.3 Gasket	FREE	FREE	FREE	FREE	FREE
1.3 PISTON	FREE	FREE	FREE	FREE	FREE
1.3.1 Material	FREE	FREE	FREE	FREE	FREE
1.3.2 Ring type	Standart	Standart	Standart	Standart	Standart
1.3.3 Stroke	Standart	Standart	Standart	Standart	FREE

1.4	CRANKSHAFT	Standart *19	Standart *19	Standart *19	Standart *19	FREE
1.4.1	Material	Standart	Standart	Standart	Standart	FREE
1.4.2	Size	Standart	Standart	Standart	Standart	FREE
1.4.3	Conecting rod	Standart	Standart	Standart	Standart	FREE
1.4.4	Length Conecting rod	Standart	Standart	Standart	Standart	FREE
1.4.5	Pin	Standart	FREE	Standart	FREE	FREE
1.5	CRANCKCASE	Standart	Standart	Standart boleh dibesarkan	Standart boleh dibesarkan	FREE
1.5.1	Material	Standart	Standart	Standart	Standart	FREE
1.5.2	Oil pump	FREE	FREE	FREE	FREE	FREE
1.6	Magnet	Standart *18	Standart *13	Standart *18	Standart *13	FREE
1.6.1	Type	Standart	FREE	Standart	FREE	FREE
1.6.2	Cover	Standart	Standart	Standart	Standart	FREE
1.6.3	Kipas	Standart	FREE	Standart	FREE	FREE
1.7	Transmision	Standart	Standart	Standart	Standart	Standart
1.7.1	Gear Box	FREE	FREE	FREE	FREE	FREE
1.7.2	Quantity	Standart	Standart	Standart	Standart	Standart
1.8	Clutch	Standart	FREE	Standart	FREE	FREE
1.8.1	Type	Standart	Standart	Standart	Standart	FREE
1.8.2	Material	Standart	FREE	Standart	FREE	FREE
1.8.3	Cover	Standart	Standart	Standart	Standart	FREE
1.8.4	Per clutch	FREE	FREE	FREE	FREE	FREE
1.8.5	Bal CVT	Standart	Standart *17	Standart *17	Standart *17	Standart *17
1.9	Carburator- Injection	Standart *14	FREE	Standart *14	FREE	FREE
1.9.1	Size		MAX 28 UNTUK CARBU & INJECTION		MAX30 UNTUK CARBU & INJECTION	MAX 34 UNTUK CARBU & INJECTION
1.9.2	Intake manifold	Standart *17	FREE	Standart *17	FREE	FREE
1.9.3	Throtle Body	Standart	FREE	STD	FREE	FREE

1.10 Ignition	FREE	FREE	FREE	FREE	FREE
1.10.1 Wiring-Harnes	FREE	FREE	FREE	FREE	FREE
1.10.2 Coil	FREE	FREE	FREE	FREE	FREE
1.10.3 Quick Shifter	NO	NO	NO	NO	NO
1.11 ECU	FREE	FREE	FREE	FREE	FREE
1.12 Exhaust	Standart *)5	FREE	Standart *)6	FREE	FREE
1.13 Oil Cooler	Standart	FREE	Standart	FREE	FREE
1.14 Radiator	Standart	FREE	Standart	FREE	FREE
1.14.1 Air Radiator	AIR MINERAL	AIR MINERAL	AIR MINERAL	AIR MINERAL	AIR MINERAL
1.15 Dinamo stater	`HARUS BERFUNGSI	`HARUS BERFUNGSI	`HARUS BERFUNGSI	`HARUS BERFUNGSI	FREE
1.16 Battery	FREE	FREE	FREE	FREE	FREE
1.17 Vantbelt	FREE	FREE	FREE	FREE	FREE
1.18 Roller CVT	FREE	FREE	FREE	FREE	FREE
1.19 Rumah CVT	Standart dan boleh dibubut	FREE	Standart dan boleh dibubut	FREE	FREE
2. B O D Y - CHASSIS					
2.1 Frame	Standart	Standart dan boleh diperkuat	Standart	Standart dan boleh diperkuat	Standart dan boleh diperkuat
2.1.1 Material	Standart	Standart	Standart	Standart	Standart
2.2 Front suspension	STOCK PRODUCTION	STOCK PRODUCTION	STOCK PRODUCTION	STOCK PRODUCTION	FREE
2.2.1 Fork	Standart	Standart	Standart	Standart	Standart
2.2.2 Spring Fork	FREE	FREE	FREE	FREE	FREE
2.2.3 Oil Fork	FREE	FREE	FREE	FREE	FREE
2.2.4 Valve	FREE	FREE	FREE	FREE	FREE
2.3 Rear suspension	Standart	Standart	Standart	Standart	Standart

2.3.1	Swing Arm	Standart	Standart	Standart	Standart	Standart
2.3.2	Shock absorber	FREE	FREE	FREE	FREE	FREE
2.3.3	Type	FREE	FREE	FREE	FREE	FREE
2.4	Under Bracket					
2.4.1	Upper	FREE	FREE	FREE	FREE	FREE
2.4.2	Bottom	Standart	Standart	Standart	Standart	Standart
2.4.3	Material	Standart	Standart	Standart	Standart	Standart
2.5	Handle Bar					
2.5.1	Hand Guard	MUST	MUST	MUST	MUST	MUST
2.6	Brakes					
2.6.1	Brake lines	FREE	FREE	FREE	FREE	FREE
2.6.2	Caliper	FREE	FREE	FREE	FREE	FREE
2.6.3	Master	FREE	FREE	FREE	FREE	FREE
2.6.4	Disc Brakes	FREE	FREE	FREE	FREE	FREE
2.6.5	Brake pads	FREE	FREE	FREE	FREE	FREE
2.7	Fuel tank	Standart	Standart	Standart	Standart	Standart
2.7.1.	Position	FREE	FREE	FREE	FREE	FREE
2.7.2.	Capacity	Standart	Standart	Standart	Standart	Standart
2.7.3	Fuel pump	FREE	FREE	FREE	FREE	FREE
2.8	Wheels	STD BAWAAN MOTOR	STD BAWAAN MOTOR	STD BAWAAN MOTOR	FREE	FREE
2.8.1	Material	ALMUNIUM ATAU BESI	ALMUNIUM ATAU BESI	ALMUNIUM ATAU BESI	ALMUNIUM ATAU BESI	ALMUNIUM ATAU BESI
2.8.2	Size	MAX 1.60"	MAX 1.60"	MAX 1.85"	MAX 1.85"	MAX 2.15"
2.9	Fairing	STD MODIFIKASI	STD MODIFIKASI	STD MODIFIKASI	STD MODIFIKASI	STD MODIFIKASI
2.9.1.	Number Plate back 2 side	MUST	MUST	MUST	MUST	MUST
2.9.2.	Seat	STD MODIFIKASI	STD MODIFIKASI	STD MODIFIKASI	STD MODIFIKASI	STD MODIFIKASI

2.9.3	Steering damper	FREE	FREE	FREE	FREE	FREE
2.10	Weight	130KG	130KG	135KG	135KG	140KG
	(Motor + Rider tanpa Fuel)					

KETERANGAN :

- *1 Standart Stock/bawaan motor, Porting polish,welding,altered valve angle
- *2 Lubang baut timing gear boleh dirubah
- *3 Bagian dalam magnet boleh dicabut,bagian luar boleh dibubut,pulser boleh dirubah
- *4 Standart atau boleh di ganti dengan varian sejenis,karbulator boleh dirember,karbulator boleh diganti injeksi juga sebaliknya
- *5 Bentuk luar seperti Standart ,bagian dalam bebas,lubang buang knalpot Standart, leher knalpot blh dibesarkan diameternya
- *6 Bentuk luar seperti Standart ,Bagian dalam bebas,Lubang buang Knalpot Max 24
- *7 Bagian dalam boleh dirubah
- *8 Hanya bagian pulser boleh dirubah,bagian luar boleh dibubut akan tetapi bagian dalam magnet masih berfungsi
- *9 CRANKSHAFT boleh diperkuat (big end boleh dilas)

No rangka dan No mesin harus ada

Pengukuran cc dibawah 0,49 dianggap 0 cc dan 0,50 dianggap 1 cc

Apa yang tidak tercantum tidak boleh dirubah

Mesin dengan system injeksi tidak boleh dirubah menjadi system karburator, namun mesin dengan system karburator dapat dirubah menjadi system injeksi

SPEKIFIKASI



KEJURNAS BALAP MOTOR (UB 115, UB 130, UB 150 & Sport 150)

Machine (Year Production)	UB 115	UB 130	UB 150	Sport 150
1. ENGINE SPECIFICATIONS				
1.1. Engine Type	4 stroke single cyl	4 stroke single cyl	4 stroke single cyl	4 stroke single cyl
1.1.1. Displacement	Up to 115 cc	Up to 130 cc	Up to 150cc	Up to 150cc
1.1.2. Engine layout	Horizontal	Horizontal	Vertical	Vertical
1.1.3. Engine Id. Number	Required	Required	Required	Required
1.2. Cylinder Head	STD-porting-welding	STD-Porting-welding	STD-Porting-welding	STD-port-weld
1.2.1. Valve and supporting parts				
1.a. Maximum diameter	29mm	31 mm	4 V 25mm	4 V 26mm
1.b. Material	FREE	FREE	FREE	FREE
1.c. Quantity	STD	STD	STD	STD
1.d. Valve seat	FREE	FREE	FREE	FREE
1.e. Valve Guide	FREE	FREE	FREE	FREE
1.f. Valve Spring	FREE	FREE	FREE	FREE
1.g. Valve Spring Retainer	FREE	FREE	FREE	FREE
1.h. Valve Shim	FREE	FREE	FREE	FREE
1.2.2. Camshaft	FREE	FREE	FREE	FREE
2.a. Type	STD	STD	STD	STD
2.b. Material	FREE	FREE	FREE	FREE
2.c. Camshaft lobe profiles	FREE	FREE	FREE	FREE
2.d. Cam sprocket	FREE	FREE	FREE	FREE
2.e. Cam chain	FREE	FREE	FREE	FREE
2.f. Cam chain tensioner	FREE	FREE	FREE	FREE
Otomatis tensioner bebas	FREE			
1.2.3. Rocker Arm	FREE	FREE	FREE	FREE
3.a. Material	FREE	FREE	FREE	FREE
3.b. Type	FREE	FREE	FREE	FREE
1.2.4. Cylinder Head cover	FREE	FREE	STD	STD

1.3. Cylinder Block	STD	STD	STD	STD
1.3.1. Material	FREE	FREE	FREE	FREE
1.3.2. Liner	FREE	FREE	FREE STEEL TO STEEL	FREE STEEL TO STEEL
1.3.3. Gasket	FREE	FREE	FREE	FREE
1.4. Piston And Piston Ring				
1.4.1. Material	FREE	FREE	FREE	FREE
1.4.2. Ring type	STD	STD	STD	STD
1.4.3. Ring quantity	FREE	FREE	FREE	FREE
1.4.3. Ring thickness	FREE	FREE	FREE	FREE
1.5. Crankshaft	STD modif	STD-modif	STD harderner	STD harderner
1.5.1. Material	STD	STD	STD	STD
1.5.2. Size (Stroke)	STD	STD	STD	STD
1.5.3. Connecting rod	STD	STD	STD	STD
1.5.4. Connecting rod Length	STD	STD	STD	STD
1.5.5. Crank Pin	STD modif	STD modif	STD	STD
1.6. Cranckcase				
1.6.1. Material	STD	STD	STD	STD
1.6.2. Oil pump	FREE	FREE	STD	STD
1.7. Magnetto				
1.7.1. Type	FREE	FREE	FREE	FREE
1.7.2. Cover	FREE	FREE	FREE	FREE
1.8. Transmission				
1.8.1. Primary Gear	FREE	FREE	STD	STD
1.8.2. Gear Box	FREE	FREE	FREE	FREE
1.8.3. Quantity	Max 4	Max 4	Max 6	Max 6
1.8.4. Final Gear	FREE	FREE	FREE	FREE
1.9. Clutch				
1.9.1. Type	STD	STD	STD	STD

1.9.2.	Material	FREE	FREE	FREE	FREE
1.9.3.	Clutch Housing	FREE	FREE	STD	STD
1.9.4.	Clutch Cover	FREE	FREE	STD	STD
1.10. Carburettor and Throttle Body					
1.10.1.	Carburettor	No carb	No carb	No carb	No carb
1.10.2.	Throttle Body	26 mm Butterfly Valve 24 mm barrel	30 mm Butterfly Valve 28 mm barrel	max 33mm butterfly max 30mm barrel	max 33mm butterfly max 30mm barrel
1.10.3 Injector					
1.10.3.	Intake Manifold	Max 2	Max 2	Max 2	Max 2
1.11. Ignition					
1.11.1.	Wiring-Harnes	FREE	FREE	FREE	FREE
1.11.2.	CDI	FREE	FREE	FREE	FREE
1.11.3.	Ignition Coil	FREE	FREE	FREE	FREE
1.11.4.	Spark Plug	FREE	FREE	FREE	FREE
1.11.5.	Quick Shifter	yes	yes	yes	yes
1.12. ECU					
1.12.		FREE	FREE	FREE	FREE
1.13. Exhaust					
1.13.		FREE	FREE	FREE	FREE
1.14. Oil Cooler					
1.14.		FREE	FREE	FREE *1	NO
1.15. Radiator					
1.15.1.	Air Radiator	Prohibited	prohibited	FREE	FREE
1.15.1.				Air mineral	Air mineral
1.16. Dinamo starter					
1.16.		FREE	FREE	FREE	FREE
1.17. Battery					
1.17.		FREE	FREE	FREE	FREE
2. B O D Y - CHASSIS					
2.		Underbone	Underbone	Underbone	SPORT
2.1. Frame					
2.1.1.	Material	STD modif	STD modif	STD modif	STD modif
2.1.2.	Sub Frame Material	FREE	FREE	FREE	FREE
2.1.3.	VIN/ Frame Number	Required	Required	Required	Required

2.2. Front suspension				
2.2.1. Type	Stock production	Stock production	Stock production	Stock production
2.2.2. Inner Tube	Stock production	Stock production	Stock production	Stock production
2.2.3. Outer Tube	Stock production	Stock production	Stock production	Stock production
2.2.4. Spring	FREE	FREE	FREE	FREE
2.2.5. Fork Oil	FREE	FREE	FREE	FREE
2.2.6. Valves	FREE	FREE	FREE	FREE
2.2.7. Upper fork holder	Stock production	Stock production	FREE	FREE
2.2.8. Bottom fork holder	Stock production	Stock production	Stock production	Stock production
2.3. Rear Suspension				
2.3.1. Swing Arm	Stock production	Stock production	Stock production	Stock production
2.3.2. Shock absorber	FREE	FREE	FREE	FREE
2.3.3. Type	STD	STD	STD	STD
2.3.4. Chain Guard	must	must	must	must
2.4. Under Bracket				
2.4.1. Upper	FREE	FREE	FREE	FREE
2.4.2. Bottom	FREE	FREE	FREE	FREE
2.4.3. Material	STD	STD	STD	STD
2.5. Handle Bar	FREE	FREE	FREE	FREE
2.5.1. Hand Guard	No need	No need	No need	No need
2.6. Brakes				
2.6.1. Brake lines	steel	steel	steel	steel
2.6.2. Caliper	FREE	FREE	FREE	FREE
2.6.3. Master	FREE	FREE	FREE	FREE
2.6.4. Disc Brakes	FREE	FREE	FREE	FREE
2.6.5. Brake pads	FREE	FREE	FREE	FREE
2.7. Fuel Tank				STD
2.7.1. Position	FREE	FREE	STD	STD
2.7.2. Capacity	STD	STD	STD	STD

2.7.3	Fuel pump	FREE	FREE	STD	STD
2.8.	Wheels				
2.8.1	Material	aluminium	aluminium	aluminium	Alumunium
2.8.2	Size	STD	STD	STD	STD
2.8.3	Rims Width	3,00 inch	3,00 inch	FREE	FREE
2.8.3	Rims Diameter	STD	STD	STD	STD
2.9.	Fairing				Full Fairing with Under Cowling
2.9.1.	Materials and Shapes	Modification allowed	Modification allowed	Modification allowed	Modification allowed
2.9.2.	Number Plate back 2 side	Must-Black on white	Must-Black on white	Must-Black on white	Must-Black on white
2.10.	Seat	FREE	FREE	FREE	FREE
2.11.	Steering damper	FREE	FREE	FREE	FREE
2.12.	Minimum Weight (Motor + Rider tanpa Fuel)	140kg Incl rider	145kg Incl rider	150 kg Incl rider	160 kg Incl rider

NOTE:

*1) Motor yg asalnya menggunakan Oil Cooler, boleh di perbesar tetapi tidak boleh dilakukan penambahan Radiator.

SPEKIFIKASI



KEJURNAS BALAP MOTOR

Sport 250cc & Sport 600cc

CLASS		SPORT 250 CC	SPORT 600 cc
1.	ENGINE SPECIFICATIONS	NOTES	NOTES
1.1.	Engine Type	4 Strokes 1 & 2 Cyl	4 Strokes 4 Cyl – 3 Cyl – 2 Cyl
1.1.1.	Displacement and Layout	Up to 250cc Two Cylinder	400-600cc 4 Strokes 4 Cyl
		Up to 250cc Single Cylinder	500-675cc 4 Strokes 3 Cyl
		Up to 300cc Single Cylinder (Bore only)	600-750cc 4 Strokes 2 Cyl
1.1.2.	Engine Id. Number	Required	Required
1.1.3.	Minimum Weight		
	up to 250 cc two cylinder	202 kg - for 2 Cyl	400-600cc 160 kg - 4 Cyl
	up to 250 cc single cylinder	194 kg - for 1 Cyl	500-675cc 165 kg - 3 Cyl
	up to 300 cc single cylinder	197 kg-for 1 Cyl	600- 750cc 167 kg - 2 Cyl
	Raider w/o Fuel		
1.2.	Cylinder Head	STD-Porting-Polishing	STD
1. 2.1.	Valve and Supporting Parts		
1.a.	Maximum diameter	STD	STD
1.b.	Material	STD	STD
1.c.	Quantity	STD	STD
1.d.	Valve Seat	FREE	STD
1.e.	Valve Guide	FREE	STD
1.f.	Valve Spring	FREE	STD
1.g.	Valve Spring Retainer	FREE	STD
1.h.	Valve Shim	FREE	FREE
1. 2.2.	Camshaft	FREE	STD
2.a.	Type	STD	STD
2.b.	Material	STD	STD

2.c.	Camshaft Lobe Profiles	FREE	STD
2.d.	Cam Sprocket	STD, Monting hole allow to enlarge for adjustment	STD
2.e.	Cam Chain	STD	STD
2.f.	Cam Chain Tensioner	STD	STD
1.2.3.	Rocker Arm	STD	STD
3.a.	Material	STD	STD
3.b.	Type	STD	STD
1.2.4.	Cylinder Head cover	STD	STD
1.3.	Cylinder Block	STD	STD
1.3.1.	Material	STD	STD
1.3.2.	Liner	Up To 250cc STD Up To 300cc FREE	STD
1.3.3.	Gasket	FREE	STD
1.4.	Piston And Piston Ring		
1.4.1	Piston	Up to 250cc STD Up to 300cc FREE	STD
1.4.1.	Material	STD	STD
1.4.2.	Ring type	STD	STD
1.4.3.	Ring Quantity	FREE	STD
1.4.3.	Piston Ring Thickness	STD	STD
1.5.	Crankshaft	STD	STD
1.5.1	Material	STD	STD
1.5.2.	Size (Stroke)	STD	STD
1.5.3.	Connecting Rod	STD	STD
1.5.4.	Connecting Rod Length	STD	STD

1.5.5.	Crank Pin	STD	STD
1.6.	Crankcase		
1.6.1.	Material	STD	STD
1.6.2.	Oil Pump	STD	STD
1.7.	Magnetto		
1.7.1.	Type	STD	STD
1.7.2.	Cover	STD	STD
1.8.	Transmission		
1.8.1.	Primary Gear	STD	STD
1.8.1.2	Secondary Gear	STD	STD
1.8.2.	Gear Box	FREE	STD
1.8.6.	Quantity	Max 6	Max 6
1.8.7.	Final Gear	FREE	FREE
1.8.8.	Quick Shifter	Allowed	Allowed
1.9.	Clutch		
1.9.1.	Type	STD	STD
1.9.2.	Material	FREE	FREE
1.9.3.	Clutch Housing	STD	STD
1.9.4.	Clutch Cover	STD	STD
1.9.5.	Clutch Spring	FREE	STD
1.9.6.	Clutch Plates	FREE	STD
1.9.7.	Clutch Cable	FREE	STD
1.9.8.	Slipper Clutch System	Not Allowed	Allowed
1.10.	Carburettor and Throttle Body		
1.10.1.	Carburettor	32 mm	STD

1.10.2.	Throttle Body	1 Cyl. Max 46mm 2 Cyl. Max 32mm	STD
1.10.3.	Intake Manifold	FREE	STD
1.10.4.	Injector	FREE	STD
1.10.4.1	Max Injector	1 TB Max 2 Injector	STD
1.10.5	Air Funnel	FREE	STD
1.10.6	Variable Length Intake	FREE	STD
1.10.7	Throttle by Wire	STD	STD
1.11.	Ignition		
1.11.1.	Wiring-Harnes	FREE	FREE
1.11.2.	CDI	FREE	FREE
1.11.3.	Ignition Coil	FREE	STD
1.11.4.	Spark Plug	FREE	FREE
1.12.	ECU	FREE	FREE
1.13.	Exhaust	FREE	FREE
1.13.1	Material	FREE	FREE
1.13.2	Sound emission	110db/a+3db/a	105db/a+3db/a
	250cc 1 Cyl	at 5500 rpm	400-600cc 4 cyl at 6000 rpm
	250cc 2 Cyl	at 7500 rpm	500-675cc 3 cyl at 6000rpm
	300cc 1 Cyl	at 7500 rpm	600- 750cc 2 cyl at 6000 rpm
1.14.	Oil Cooler	FREE	FREE
1.15.	Radiator	FREE	FREE
1.15.1	Coolant	Mineral Water	Mineral Water
1.15.2	Reservoir Tank	Must	Must
1.16.	Starter Motor	Must Function, STD	Must Function, STD

1.17.	Battery	FREE	FREE
2.	B O D Y - CHASSIS	NOTES	NOTES
2.1.	Frame		
2.1.1.	Material	STD	STD
2.1.2.	VIN/ Frame Number	Required	Required
2.1.2.1	Sub Frame	FREE	STD
2.2.	Front suspension	Under 300cc	STD
2.2.1.	Type	Stock Production	STD
2.2.2.	Inner Tube	Stock Production	STD
2.2.3.	Outer Tube	Stock Production	STD
2.2.4.	Spring	FREE	FREE
2.2.5.	Fork Oil	FREE	FREE
2.2.6.	Valves	FREE	FREE
2.2.7.	Upper fork holder	FREE	STD
2.2.8.	Bottom fork holder	Stock Production	STD
2.3.	Rear Suspension		
2.3.1.	Swing Arm	STD	STD
2.3.2.	Shock absorber	FREE	FREE
2.3.3.	Linkage System	Stock Production	STD
2.3.4.	Chain Guard	MUST	MUST
2.4.	Under Bracket		
2.4.1.	Upper	FREE	FREE
2.4.2.	Bottom	FREE	FREE
2.4.3.	Material	STD	STD
2.5.	Handle Bar	FREE	FREE
2.5.1.	Hand Guard	Left Hand side FREE, Right Hand side MUST	Left Hand side FREE, Right Hand side MUST

2.5.2.	Clutch and Brake Lever	FREE	FREE
2.6.	Brakes		
2.6.1.	Brake lines	STEEL	STEEL
2.6.2.	Caliper	FREE	STD
2.6.3.	Master	FREE	STD
2.6.4.	Disc Brakes material	FREE	FREE
2.6.5.	Brake pads	FREE	FREE
2.6.6.	Disc thickness & Diameter	FREE	STD
2.6.7.	Number of Disc	STD	STD
2.7.	Fuel tank	STD	STD, tank with breather pipes must be fitted with non return valves that discharge to a catch tank which have 250cc capacity (minimum) and made of a suitable material
2.7.1.	Position	STD	STD
2.7.2.	Capacity	STD	STD
2.7.3.	Fuel pump	STD	STD
2.7.3.	Fuel Cap	FREE	FREE
2.8.	Wheels		
2.8.1	Material	STD	STD
2.8.2.	Diameter	STD	STD
2.8.3.	Tyre	to be confirmed	STD
	Front	110/70-R17	120/70-R17
	Rear	150/60-R17	180/55-R17
2.9.	Fairing	SPORT DESIGN	SPORT DESIGN
2.9.1.	Materials and Shapes	FREE	Modification Allowed (carbon)
2.9.2.	Number Plate back 2 side	FREE	NO
2.9.3	Under Cowling	MUST	MUST

2.10.	Seat	FREE	FREE
2.11.	Steering damper	FREE	FREE