

**TECHNICAL DATA**  
**RR RACING 125**

**CHASSIS**

Frame	Molybdenum steel with double cradle split above the exhaust port
Wheelbase	1477 mm
Max length	2167 mm
Max width	815 mm
Max height	1270 mm
Seat height	930 mm
Ground clearance	325 mm
Footrest height	410 mm
Dry weight	94,0kg (front 45,0 kg; rear 49,0 kg)
Fuel tank capacity	9,5 l.
Reserve	2,3 l.
Cooling system capacity	1,3 l.
Front suspension	Hydraulic USD fork with $\varnothing$ 48 mm shaft
Rear suspension	Monoshock with progressive compound lever
Shock absorber stroke	135 mm
Front wheel travel	295 mm
Rear wheel travel	290 mm
Front brake	Wave disc $\varnothing$ 260 mm and double-piston floating caliper
Rear brake	Wave disc $\varnothing$ 240 mm and single-piston floating caliper
Front rim	21 x 1,6 - 36 fori
Rear rim	18 x 1,85 - 36 fori
Front tyre	90/90 - 21
Rear tyre	120/90 -18

**ENGINE**

Type	Single cylinder, 2-stroke, liquid-cooled
Bore	54 mm
Stroke	54,5 mm
Displacement	124,8 cc
Compression ratio	15,2:1
Exhaust Valve	BPV system
Starter	kick starter
Ignition	AC Kokusan - digital CDI
Spark plug	NGK BR9ECMVX
Induction system	induction reed
Lubrication	mixing
Carburettor	Keihin PWK 36
Clutch	wet multi-disc with reverse opening
Primary drive	Z.23/73
Transmission	6 gears
Final transmission	chain
Engine oil	SAE 10W/40
Consumption l/100 km	3,3
Pollution Co2 [g/km]	76,2

**TECHNICAL DATA**  
**RR RACING 200**

**CHASSIS**

Frame	Molybdenum steel with double cradle split above the exhaust port
Wheelbase	1477 mm
Max length	2167 mm
Max width	815 mm
Max height	1270 mm
Seat height	930 mm
Ground clearance	325 mm
Footrest height	410 mm
Dry weight	97,0kg (front 47,0 kg; rear 50,0 kg)
Fuel tank capacity	9,5 l.
Reserve	2,3 l.
Cooling system capacity	1,3 l.
Front suspension	Hydraulic USD fork with $\varnothing$ 48 mm shaft
Rear suspension	Monoshock with progressive compound lever
Shock absorber stroke	135 mm
Front wheel travel	295 mm
Rear wheel travel	290 mm
Front brake	Wave disc $\varnothing$ 260 mm and double-piston floating caliper
Rear brake	Wave disc $\varnothing$ 240 mm and single-piston floating caliper
Front rim	21 x 1,6 - 36 fori
Rear rim	18 x 1,85 - 36 fori
Front tyre	90/90 - 21
Rear tyre	140/80 -18

**ENGINE**

Type	Single cylinder, 2-stroke, liquid-cooled
Bore	62 mm
Stroke	63 mm
Displacement	190.2 cc
Compression ratio	13,5:1
Exhaust Valve	BPV system
Starter	Electric starter
Ignition	AC Kokusan - digital CDI
Spark plug	NGK BR8ECM
Induction system	induction reed
Lubrication	mixing
Carburettor	Keihin PWK 36
Clutch	wet multi-disc with reverse opening
Primary drive	Z.23/73
Transmission	6 gears
Final transmission	chain
Engine oil	SAE 10W/40
Consumption l/100 km	2,9
Pollution Co2 [g/km]	67

## TECHNICAL DATA RR RACING 250

### CHASSIS

Frame	Molybdenum steel with double cradle split above the exhaust port
Wheelbase	1482 mm
Max length	2172 mm
Max width	815 mm
Max height	1270 mm
Seat height	930 mm
Ground clearance	320 mm
Footrest height	407 mm
Dry weight	103,5 kg (front 50,8 kg; rear 52,7 kg)
Fuel tank capacity	9,5 l.
Reserve	2,3l.
Cooling system capacity	1,3 l.
Front suspension	Hydraulic USD fork with $\varnothing$ 48 mm shaft
Rear suspension	Monoshock with progressive compound lever
Shock absorber stroke	135 mm
Front wheel travel	295 mm
Rear wheel travel	290 mm
Front brake	Wave disc $\varnothing$ 260 mm and double-piston floating caliper
Rear brake	Wave disc $\varnothing$ 240 mm and single-piston floating caliper
Front rim	21 x 1,6 - 36 holes
Rear rim	18 x 2,15 - 36 holes
Front tyre	90/90 - 21
Rear tyre	140/80 -18

### ENGINE

Type	Single cylinder, 2-stroke, liquid-cooled
Bore	66,4 mm
Stroke	72 mm
Displacement	249 cc
Compression ratio	13,2:1
Exhaust Valve	BPV Systsem
Starter	Electric starter
Ignition	AC Kokusan - digital CDI with oil pump controller
Spark plug	NGK BR8ES
Induction system	induction reed
Lubrication	mixing
Carburettor	Keihin PWK 36
Clutch	wet multi-disc clutch
Primary drive	Z.27/72
Transmission	6 gears
Final transmission	chain
Engine oil	SAE 10W/40
Consumption l/100 km	2,493
Pollution Co2 [g/km]	59

**TECHNICAL DATA**  
**RR RACING 300**

**CHASSIS**

Frame	Molybdenum steel with double cradle split above the exhaust port
Wheelbase	1482 mm
Max length	2172 mm
Max width	815 mm
Max height	1270 mm
Seat height	930 mm
Ground clearance	320 mm
Footrest height	407 mm
Dry weight	103,5 kg (front 50,8 kg; rear 52,7 kg)
Fuel tank capacity	9,5 l.
Reserve	2,3.
Cooling system capacity	1,3 l.
Front suspension	Hydraulic USD fork with $\varnothing$ 48 mm shaft
Rear suspension	Monoshock with progressive compound lever
Shock absorber stroke	135 mm
Front wheel travel	295 mm
Rear wheel travel	290 mm
Front brake	Wave disc $\varnothing$ 260 mm and double-piston floating caliper
Rear brake	Wave disc $\varnothing$ 240 mm and single-piston floating caliper
Front rim	21 x 1,6 - 36 holes
Rear rim	18 x 2,15 - 36 holes
Front tyre	90/90 - 21
Rear tyre	140/80 -18

**ENGINE**

Type	Single cylinder, 2-stroke, liquid-cooled
Bore	73 mm
Stroke	69,9 mm
Displacement	292,6 cc
Compression ratio	11,63:1
Exhaust Valve	BPV Systsem
Starter	Electric starter
Ignition	AC Kokusan - digital CDI with oil pump controller
Spark plug	NGK GR7CI8
Induction system	induction reed
Lubrication	mixing
Carburettor	Keihin PWK 36
Clutch	wet multi-disc clutch
Primary drive	Z.27/72
Transmission	6 gears
Final transmission	chain
Engine oil	SAE 10W/40
Consumption l/100 km	2,7
Pollution Co2 [g/km]	62

**TECHNICAL DATA**  
**RR RACING 350**

**CHASSIS**

Frame	Molybdenum steel with double cradle split above the exhaust port
Wheelbase	1490 mm
Max length	2180 mm
Max width	815 mm
Max height	1270 mm
Seat height	940 mm
Ground clearance	320 mm
Footrest height	413 mm
Dry weight	107,5 kg (front 52,7 kg; rear 54,8 kg)
Fuel tank capacity	9,0 l.
Reserve	2,3l.
Cooling system capacity	1,4 l.
Front suspension	Hydraulic USD fork with $\varnothing$ 48 mm shaft
Rear suspension	Monoshock with progressive compound lever
Shock absorber stroke	135 mm
Front wheel travel	295 mm
Rear wheel travel	290 mm
Front brake	Wave disc $\varnothing$ 260 mm and double-piston floating caliper
Rear brake	Wave disc $\varnothing$ 240 mm and single-piston floating caliper
Front rim	21 x 1,6 - 36 holes
Rear rim	18 x 2,15 - 36 holes
Front tyre	90/90 - 21
Rear tyre	140/80 -18

**ENGINE**

Type	Single cylinder, 4-stroke, liquid-cooled
Bore	88 mm
Stroke	57,4 mm
Displacement	349,1 cc
Compression ratio	13,19:1
Valve train	DOHC finger follower / 4 titanium valve
Starter	Electric starter
ACG	Kokusan
Spark plug	NGK LKAR 8A-9
Lubrication	2 oil pumps
Fuel system	Elldor dual electronic injection
Throttle body	$\varnothing$ 42 mm - Synerject
Clutch	wet multi-disc clutch
Primary drive	Z. 28/76
Transmission	6 gears
Final transmission	chain
Engine oil	SAE 10W/50 0,8 l. + SAE 10W/40 0,8 l.
Consumption l/100 km	3,84
Pollution Co2 [g/km]	93

**TECHNICAL DATA**  
**RR RACING 390**

**CHASSIS**

Frame	Molybdenum steel with double cradle split above the exhaust port
Wheelbase	1490 mm
Max length	2180 mm
Max width	815 mm
Max height	1270 mm
Seat height	940 mm
Ground clearance	320 mm
Footrest height	413 mm
Dry weight	107,5 kg (front 52,7 kg; rear 54,8 kg)
Fuel tank capacity	9,0 l.
Reserve	2,3l.
Cooling system capacity	1,4 l.
Front suspension	Hydraulic USD fork with $\varnothing$ 48 mm shaft
Rear suspension	Monoshock with progressive compound lever
Shock absorber stroke	135 mm
Front wheel travel	295 mm
Rear wheel travel	290 mm
Front brake	Wave disc $\varnothing$ 260 mm and double-piston floating caliper
Rear brake	Wave disc $\varnothing$ 240 mm and single-piston floating caliper
Front rim	21 x 1,6 - 36 holes
Rear rim	18 x 2,15 - 36 holes
Front tyre	90/90 - 21
Rear tyre	140/80 -18

**ENGINE**

Type	Single cylinder, 4-stroke, liquid-cooled
Bore	88 mm
Stroke	63,4 mm
Displacement	385,6 cc
Compression ratio	12,48:1
Valve train	DOHC finger follower / 4 titanium valve
Starter	Electric starter
ACG	Kokusan
Spark plug	NGK LKAR 8A-9
Lubrication	2 oil pumps
Fuel system	Elldor dual electronic injection
Throttle body	$\varnothing$ 42 mm - Synerject
Clutch	wet multi-disc clutch
Primary drive	Z. 28/76
Transmission	6 gears
Final transmission	chain
Engine oil	SAE 10W/50 0,8 l. + SAE 10W/40 0,8 l.
Consumption l/100 km	3,89
Pollution Co2 [g/km]	94



**TECHNICAL DATA**  
**RR RACING 430**

**CHASSIS**

Frame	Molybdenum steel with double cradle split above the exhaust port
Wheelbase	1490 mm
Max length	2180 mm
Max width	815 mm
Max height	1270 mm
Seat height	940 mm
Ground clearance	320 mm
Footrest height	413 mm
Dry weight	108,5 kg (front 53,2 kg; rear 55,3 kg)
Fuel tank capacity	9,0 l.
Reserve	2,3l.
Cooling system capacity	1,3 l.
Front suspension	Hydraulic USD fork with $\varnothing$ 48 mm shaft
Rear suspension	Monoshock with progressive compound lever
Shock absorber stroke	135 mm
Front wheel travel	295 mm
Rear wheel travel	290 mm
Front brake	Wave disc $\varnothing$ 260 mm and double-piston floating caliper
Rear brake	wave disc $\varnothing$ 240 mm and single-piston floating caliper
Front rim	21 x 1,6 - 36 holes
Rear rim	18 x 2,15 - 36 holes
Front tyre	90/90 - 21
Rear tyre	140/80 -18

**ENGINE**

Type	Single cylinder, 4-stroke, liquid-cooled
Bore	95 mm
Stroke	60,8 mm
Displacement	430,9
Compression ratio	12,33:1
Valve train	DOHC finger follower / 4 valve, intake titanium, exhaust steel
Starter	Electric starter
ACG	Kokusan
Spark plug	NGK LKAR 8A-9
Lubrication	2 oil pumps
Fuel system	Elldor dual electronic injection
Throttle body	$\varnothing$ 42 mm - Synerject
Clutch	wet multi-disc clutch
Primary drive	Z.31/72
Transmission	6 gears
Final transmission	chain
Engine oil	SAE 10W/50 0,8 l. + SAE 10W/40 0,8 l.
Consumption l/100 km	3,887
Pollution Co2 [g/km]	94

**TECHNICAL DATA**  
**RR RACING 480**

**CHASSIS**

Frame	Molybdenum steel with double cradle split above the exhaust port
Wheelbase	1490 mm
Max length	2180 mm
Max width	815 mm
Max height	1270 mm
Seat height	940 mm
Ground clearance	320 mm
Footrest height	413 mm
Dry weight	108,5 kg (front 53,2 kg; rear 55,3 kg)
Fuel tank capacity	9,0 l.
Reserve	2,3l.
Cooling system capacity	1,3 l.
Front suspension	Hydraulic USD fork with $\varnothing$ 48 mm shaft
Rear suspension	Monoshock with progressive compound lever
Shock absorber stroke	135 mm
Front wheel travel	295 mm
Rear wheel travel	290 mm
Front brake	Wave disc $\varnothing$ 260 mm and double-piston floating caliper
Rear brake	Wave disc $\varnothing$ 240 mm and single-piston floating caliper
Front rim	21 x 1,6 - 36 holes
Rear rim	18 x 2,15 - 36 holes
Front tyre	90/90 - 21
Rear tyre	140/80 -18

**ENGINE**

Type	Single cylinder, 4-stroke, liquid-cooled
Bore	100 mm
Stroke	60,8 mm
Displacement	477,5 cc
Compression ratio	11,86:1
Valve train	DOHC finger follower / 4 valve, intake titanium, exhaust steel
Starter	Electric starter
ACG	Kokusan
Spark plug	NGK LKAR 8A-9
Lubrication	2 oil pumps
Fuel system	Eldor dual electronic injection
Throttle body	$\varnothing$ 42 mm - Synerject
Clutch	wet multi-disc clutch
Primary drive	Z.31/72
Transmission	6 gears
Final transmission	chain
Engine oil	SAE 10W/50 0,8 l. + SAE 10W/40 0,8 l.
Consumption l/100 km	4,22
Pollution Co2 [g/km]	102