

SPECIFICATIONS:

T'NT

QUALIFIER

MX-3

175cc

250cc

125cc

175cc

250cc

175cc

250cc

DIMENSIONS

Overall height (without mirror)	114.3 cm (45")	118.1 cm (46½")	118.1 cm (46½")	119.4 cm (47")
Overall width (without mirror)	86.4 cm (34")	86.4 cm (34")	86.4 cm (34")	86.4 cm (34")
Seat height	84 cm (33")	87.6 cm (34½")	84 cm (33")	88.9 cm (35")
Ground clearance	22.9 cm (9")	26.7 cm (10½")	25.4 cm (10")	26.7 cm (10½")
Wheelbase	140 cm (55")	141 cm (55½")	141 cm (55½")	142.2 cm (56")
Overall length	213.4 cm (84")	213.4 cm (84")	213.4 cm (84")	213.4 cm (84")

CHASSIS

Type	Tubular double loop space frame with tapered backbone	Tubular double loop space frame with tapered backbone	Tubular double loop space frame with tapered backbone	Tubular double loop space frame with tapered backbone
Front suspension travel	<p>Betor</p> <p>168 mm (6.6")</p>	<p>Betor</p> <p>190.5 mm (7.5")</p>	<p>Betor</p> <p>190.5 mm (7.5")</p>	<p>Betor</p> <p>190.5 mm (7.5")</p>
Rear suspension travel	S & W shock absorbers	Gas bag shocks wheel travel: 185.4 mm (7.3")	Gas bag shocks wheel travel: 185.4 mm (7.3")	Gas-bag, shock absorbers wheel travel: 185.4 mm (7.6")
Fork angle	30° std., 25° to 31° adjustment	30° std., 25° to 31° adjustment	30° std., 25° to 31° adjustment	30° std., 25° to 31° adjustment
Brake: front/rear	Drum, single leading shoe 15.2 cm x 2.54 cm (6" x 1")	Drum, single leading shoe 15.2 cm x 2.54 cm (6" x 1")	Drum, single leading shoe 15.2 cm x 2.54 cm (6" x 1")	Drum, single leading shoe 15.2 cm x 2.54 cm (6" x 1")
Tire: front	3.00 x 21 Trials universal	3.00 x 21 Knobby	3.00 x 21 Knobby	3.00 x 21 Knobby
Tire: rear	4.00 x 18 Trials universal	4.00 x 18 Knobby	4.50 x 18 knobby	4.10 x 18 Knobby
Weight (dry)	108.5 kg (239 lbs.) 111 kg (244 lbs.)	103 kg (227 lbs.) 104 kg (228 lbs.)	107.7 kg (237 lbs.)	93 kg (204 lbs.) 97 kg (214 lbs.)

LIQUID CAPACITIES

	U.S.	Imp.	SI	U.S.	Imp.	SI	U.S.	Imp.	SI
Gas tank	2.5 gals	2.1 gals	9.54 liters	3.0 gals	2.5 gals	12.7 liters	1.9 gal	1.6 gal	9.27 liters
Oil tank	2.3 quarts	1.9 quart	2.2 liters	2.3 quarts	1.9 quart	2.2 liters	2.3 quarts	1.9 quart	2.2 liters
Transmission	1.2 quart	1.0 quart	1.1 liter	1.2 quart	1.0 quart	1.1 liter	1.2 quart	1.0 quart	1.1 liter

ENGINE

Type	Rotary valve, 2 stroke single cylinder, air cooled			Rotary valve, 2 stroke single cylinder, air cooled			Rotary valve, 2 stroke single cylinder, air cooled		
Bore	62 mm (2.441")	74 mm (2.914")	54 mm (2.130")	62 mm (2.44")	74 mm (2.91")	62 mm (2.441")	74 mm (2.914")	74 mm (2.914")	
Stroke	57.5 mm (2.264")	57.5 mm (2.264")	54 mm (2.130")	57.5 mm (2.264")	57.5 mm (2.264")	57.5 mm (2.264")	57.5 mm (2.264")	57.5 mm (2.264")	
Displacement (cc)	173.6cc	247cc	123.7cc	173.6cc	247cc	173.6cc	247cc	247cc	
Displacement (cu. in.)	10.60 cu. in.	15.09 cu. in.	7.54 cu. in.	10.6 cu. in.	15.09 cu. in.	10.60 cu. in.	15.09 cu. in.	15.09 cu. in.	
Compression ratio	13:1	13:1	13:1	15:1	13:1	15:1	13:1	13:1	
Horsepower at rear wheel	24 at 8,500 rpm	29 at 7,500 rpm	20 at 9,000 rpm	24 at 9,000 rpm	29 at 7,500 rpm	30 at 8,700 rpm	35 at 8,300 rpm	35 at 8,300 rpm	
Lubrication	Oil injection, variable volume			Oil injection, variable volume			Oil injection, fixed volume		
Starter	Foot operated LH in gear starting			Foot operated LH in gear starting			Foot operated LH in gear starting		

POWER TRAIN

Primary drive	Straight cut & ground gears			Straight cut & ground gears			Straight cut & ground gears		
Clutch	Multiplate 5 discs oil bath			Multiplate 5 discs oil bath		Multiplate 6 discs oil bath		Multiplate 6 discs oil bath	
Transmission: constant mesh	6 speed	5 speed	6 speed	6 speed	6 speed	5 speed	6 speed	5 speed	
Gear ratio									
1st	3.40	2.91		3.40	3.40	3.40	2.66	2.38	
2nd	2.31	1.86		2.31	2.31	2.31	2.07	1.75	
3rd	1.68	1.39		1.68	1.68	1.68	1.58	1.39	
4th	1.31	1.095		1.31	1.31	1.31	1.31	1.095	
5th	1.095	0.913		1.095	1.095	1.095	1.095	0.913	
6th	0.96	---		0.96	0.96	---	0.96	---	
Chain	520	520		520		520	520	520	

CARBURETION

Carburetor type	Bing 32 mm (type V-84)	Bing 32 mm (type V-84)	Bing 32 mm (type V-84)
Air filter	Foam (oil impregnated)	Foam (oil impregnated)	Foam (oil impregnated)

ELECTRICAL

Electronic C.D.I.	Bosch	Bosch	Motoplant	Bosch
Maximum ignition output	30,000 V	30,000 V		30,000 V
Maximum alternator output	55 W	55 W		
Spark plug type	14 mm - ¾" reach	14 mm - ¾" reach	14 mm - ¾" reach	14 mm - ¾" reach
Spark plug number	Bosch W280MZ-2	Bosch W280MZ-2	Bosch W280MZ-2	Bosch W280MZ-2
Battery (12 volts)	Yuasa 12N5-4B 5A/H			

CMA



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