



**can-am**  
motorcycles

**175-250-370**  
**QUALIFIER\***



# Cover it with mud and it really shines.

At the start of an enduro, any bike can look good. We built our new Qualifier series to shine all the way to the final check-point, no matter how dirty the day gets.

Take this new Qualifier 370 Open Class weapon with its low c of g chromoly MX frame, 38mm leading axle magnesium Marzocchi forks and a powerhouse flat-curve Bombardier-Rotax case reed engine that delivers 33ft / lb. torque and 38 horsepower at the rear wheel.

Like the Qualifier 250 and 175 we built it not only fast, but tough, light and easy to handle. So you can get out there and mix it up in the mud and still come home with a clean card.



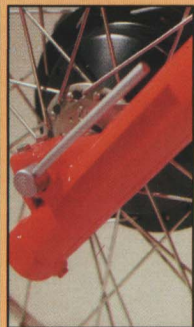
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**1.** Qualifier's excellent handling starts with an utterly rigid 4130 chromoly frame. Our light-weight cantilevered Can-Am MX design positions the engine for lowest center of gravity. To maintain

handling characteristics the Marzocchi front suspension has been worked out to deliver an ideal combination of wheel travel with minimum fork flex.



**4.** Qualifier makes enduro maintenance as easy and as fast as possible with quick-release wheels, a newly designed ISDT-type center-stand and snail cam chain adjusters. So you can put your effort into

staying on time, not catching up.



out lighter, it doesn't give mud a place to collect.

**2.** A good part of Qualifier's easy handling is due to light weight, especially unsprung weight. Magnesium hub is one reason. A new chromoly swingarm is another. It not only starts



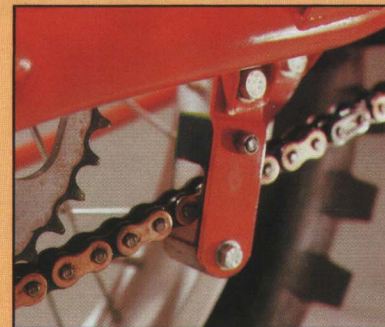
and is equipped with moisture traps to make the whole system almost submersible.

**5.** This new Qualifier air intake has been carefully designed to keep engine air clean and dry. The K&N filter is equipped with an additional foam envelope. The airbox is sealed to provide only a single rear entry



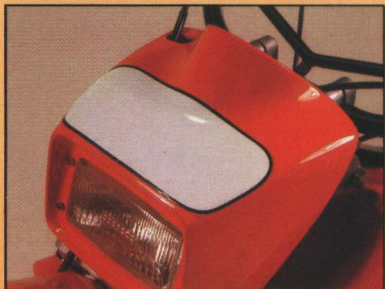
are Dunlop K-88. Fully floating rear brake is standard on all models.

**3.** While we were making Qualifier light, we were also making it strong. The tubular front axle has a generous 17mm diameter. The wheels are 40-spoke laced to Sun alloy rims. The tires



solid nylon. The chain itself is from Regina, hardened and highly stretch resistant.

**6.** Qualifier's chain guide set-up is as foolproof as they come, yet perfectly simple. The roller tensioner and the one-piece wrap-around block in the rugged chain guard are both made from



**7.** Some of the styling features on this new Qualifier series are there because they look neat. Like the rectangular headlight and its cowling. But most of them are purely practical. The long, wide rear fender that keeps whatever your rear knobby throws up, off your back. The gas tank shape that allows excellent rider movement.



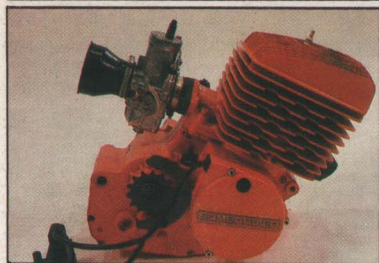
**can-am**  
motorcycles

**We will win you.**





8. There are lots of other Qualifier features that'll help make it easier to clean your next event. Like the convenience of oil injection on our 250 and 175 and in-gear starting on all models.

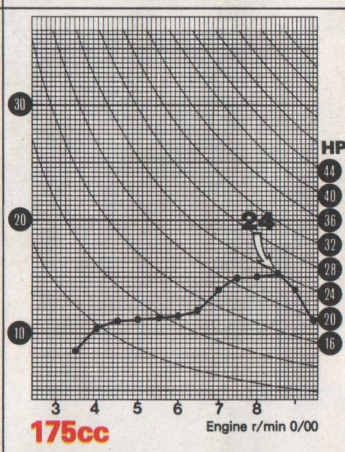
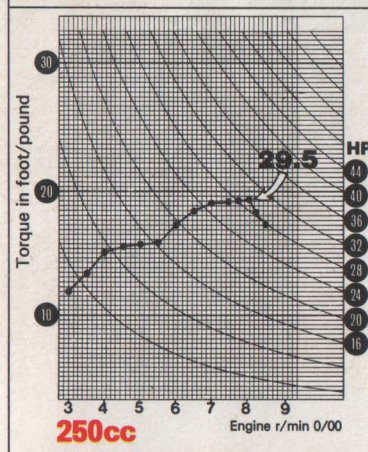
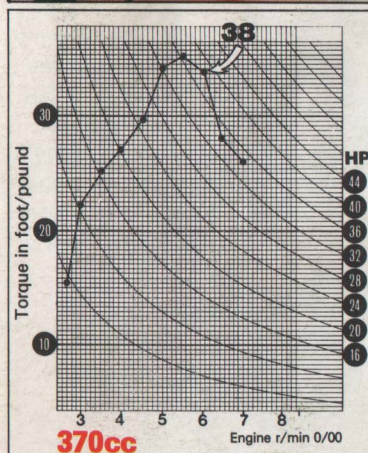


9. And the sheer ace-in-the-hole power advantage of our Rotax rotary valve 250 and 175 engines. Not to mention our new case reed 370.

We built our new Qualifier series to shine in the dirt, in the water, in the mud, in the sand, almost anywhere you take them.

**Because we want you on a Can-Am.**

Bombardier Limited reserves the right at any time to discontinue or change specifications, designs, features, models or equipment without incurring obligation.



## SPECIFICATIONS

### DIMENSIONS

Overall height	114.9 cm (45.25")
Overall width	86.3 cm (34.0")
Seat height	92.7 cm (36.5")
Ground clearance	25.4 cm (10.0")
Wheelbase	145.1 cm (57.125")
Overall length	217.8 cm (85.75")

### CHASSIS

Type	Tubular double loop space frame with tapered backbone
Front suspension	Marzocchi 35 mm
Travel	220 mm (8.8")
Rear suspension	Marzocchi 35 mm
Wheel travel	240 mm (9.4")
Fork angle	Trailing arm. Girling gas shock absorbers
Brake: front/rear	206 mm (8.1")

Tire: front	30°
Tire: rear	Drum, single leading shoe
Weight (dry)	152 mm Ø x 25 mm (6" x 1")

### LIQUID CAPACITIES

Gas tank	9.95 liters, 2.62 U.S. gals, 2.19 Imp. gals.
Oil tank	2.16 liters, 2.3 U.S. quarts, 1.9 Imp. quart
Transmission	1.14 liters, 1.2 U.S. quart, 1.0 Imp. quart

### ENGINE

Type	Rotary valve, 2 stroke, single cylinder, air cooled.
Bore	62 mm (2.441")
Stroke	57.5 mm (2.260")
Displacement cm <sup>3</sup>	173.6 cm <sup>3</sup>
Displacement cu. in.	10.60 cu. in.
Compression ratio	14:1
Horsepower at rear wheel @ R.P.M.	18 kW (24 H.P.) @ 8,500
Lubrication	Oil injection, variable volume
Starter	Foot operated L.H. in gear

### POWER TRAIN

Primary drive	Straight cut and ground gears
Clutch	Multi plate 5 discs, oil bath
Transmission constant mesh	6 speed
Gear ratio: 1st	3.40
2nd	2.31
3rd	1.68
4th	1.31
5th	1.095
6th	0.96

Chain 5/8" pitch, 1/4" width (no. 520)

### CARBURETION

Carburetor type	Bing 32 mm (V-84)
Air filter	K & N oil wetted filter with oil impregnated air filter sock

### ELECTRICAL

Electronic C.D.I.	Bosch Electronic C.D.I. 4 poles
Nominal ignition output	30,000 volts
Alternator output	55 W
Spark plug type	14 mm 3/4" reach
Spark plug number	Bosch W280MZ2-W3C0 or Bosch W275 T2-W3C

## 175

Overall height	114.9 cm (45.25")
Overall width	86.3 cm (34.0")
Seat height	92.7 cm (36.5")
Ground clearance	25.4 cm (10.0")
Wheelbase	145.1 cm (57.125")
Overall length	217.8 cm (85.75")

Tubular double loop space frame with tapered backbone

Marzocchi 35 mm	Marzocchi 35 mm
220 mm (8.8")	240 mm (9.4")

Trailing arm. Girling gas shock absorbers

206 mm (8.1")	206 mm (8.1")
30°	30°

Drum, single leading shoe

152 mm Ø x 25 mm (6" x 1")	152 mm Ø x 25 mm (6" x 1")
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3.00 x 21 knobby	3.00 x 21 knobby
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4.00 x 18 knobby	5.00 x 18 knobby
------------------	------------------

98.8 Kg (218 lbs)	102.6 Kg (225 lbs)
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9.95 liters, 2.62 U.S. gals, 2.19 Imp. gals.

2.16 liters, 2.3 U.S. quarts, 1.9 Imp. quart

1.14 liters, 1.2 U.S. quart, 1.0 Imp. quart

Rotary valve, 2 stroke, single cylinder, air cooled.

62 mm (2.441")

57.5 mm (2.260")

173.6 cm<sup>3</sup>

10.60 cu. in.

14:1

18 kW (24 H.P.)

@ 8,500

Oil injection, variable volume

Foot operated L.H. in gear

Straight cut and ground gears

Multi plate 5 discs, oil bath

6 speed

3.40

2.31

1.68

1.31

1.095

0.96

5/8" pitch, 1/4" width (no. 520)

Bing 32 mm (V-84)

K & N oil wetted filter with oil impregnated air filter sock

Bosch Electronic C.D.I. 4 poles

30,000 volts

55 W

14 mm 3/4" reach

Bosch W280MZ2-W3C0 or Bosch W275 T2-W3C

## 250

Overall height	114.9 cm (45.25")
Overall width	86.3 cm (34.0")
Seat height	92.7 cm (36.5")
Ground clearance	25.4 cm (10.0")
Wheelbase	145.1 cm (57.125")
Overall length	217.8 cm (85.75")

Tubular double loop space frame with tapered backbone

Marzocchi 35 mm	Marzocchi 35 mm
220 mm (8.8")	240 mm (9.4")

Trailing arm. Girling gas shock absorbers

206 mm (8.1")	206 mm (8.1")
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30°

Drum, single leading shoe

152 mm Ø x 25 mm (6" x 1")	152 mm Ø x 25 mm (6" x 1")
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3.00 x 21 knobby	3.00 x 21 knobby
------------------	------------------

4.00 x 18 knobby	5.00 x 18 knobby
------------------	------------------

98.8 Kg (218 lbs)	102.6 Kg (225 lbs)
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9.95 liters, 2.62 U.S. gals, 2.19 Imp. gals.

2.16 liters, 2.3 U.S. quarts, 1.9 Imp. quart

1.14 liters, 1.2 U.S. quart, 1.0 Imp. quart

Rotary valve, 2 stroke, single cylinder, air cooled.

74 mm (2.910")

57.5 mm (2.260")

247 cm<sup>3</sup>

15.09 cu. in.

12:1

22.1 kW (29.5 H.P.)

@ 8,000

Oil injection, variable volume

Foot operated L.H. in gear

Straight cut and ground gears

Multi plate 6 disc, oil bath

6 speed

3.40

2.31

1.68

1.31

1.095

0.96

5/8" pitch, 1/4" width (no. 520)

Bing 32 mm (V-84)

K & N oil wetted filter with oil impregnated air filter sock

Bosch Electronic C.D.I. 4 poles

30,000 volts

55 W

14 mm 3/4" reach

Bosch W280MZ2-W3C0 or Bosch W275 T2-W3C

## 370

Overall height	119.4 cm (47.0")
Overall width	86.3 cm (34.0")
Seat height	95.2 cm (37.5")
Ground clearance	28.6 cm (11.25")
Wheelbase	145.1 cm (57.125")
Overall length	218.4 cm (86.0")

Marzocchi 38 mm

250 mm (9.8")	250 mm (9.8")
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Trailing arm. Girling gas shock absorbers

244 mm (9.6")	244 mm (9.6")
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30° not adjustable

Drum, single leading shoe

152 mm Ø x 25 mm (6" x 1")	152 mm Ø x 25 mm (6" x 1")
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3.00 x 21 knobby	3.00 x 21 knobby
------------------	------------------

5.00 x 18 knobby	5.00 x 18 knobby
------------------	------------------

107 Kg (236 lbs)	107 Kg (236 lbs)
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Not applicable

Reed valve, 2 stroke, single cylinder, air cooled.

84 mm (3.307")

66 mm (2.598")

366 cm<sup>3</sup>

22.33 cu. in.

12:1

28.6 kW (38 H.P.)

@ 6,000

Pre-mix (32 to 1 ratio)

Foot operated L.H. in gear

Straight cut and ground gears

Multi plate 7 discs, oil bath

5 speed

2.91

1.86

1.38

1.095

0.913

5/8" pitch, 1/4" width (no. 520)

Bing 36 mm (V-54)

K & N oil wetted filter with oil impregnated air filter sock

Bosch Electronic C.D.I. 6 poles

30,000 volts

60 W

14 mm 3/4" reach

Bosch W280MZ2-W3C0 or Bosch W275 T2-W3C