

# VELOCETTE



## SCRAMBLER 30 cu. in.

For serious competition—  
up to 39 b.h.p.

## EUROPE'S GREATEST

British made VELOCETTE,  
Europe's greatest cycle—first ever to average 100 m.p.h.  
for 24 hours and secure a world record title, with an  
'ordinary' production model too!

Velocette cycles are quality designed, quality  
built, with quality materials. Get a "custom  
built" 4 stroke Velocette and join the real  
enthusiasts...



## THRUXTON 30 cu. in.

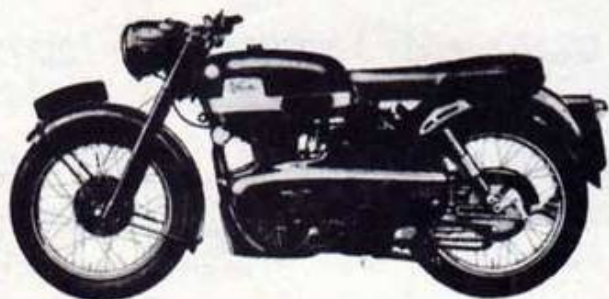
A *man's* machine. Real smooth power  
gives vivid acceleration up to 110 m.p.h.  
and up to 41 b.h.p. with muffler. Up to  
130 m.p.h. can be obtained without  
muffler.



Exclusive two-leading  
shoe  $7\frac{1}{2}$  inch front  
brake, well scooped  
for cooling, gives  
THRUXTON stopping  
power plus!

Other VELOCETTES avail-  
able in 30 cu. in. class  
VENOM and VENOM  
CLUBMAN.

## MSS 30 cu. in.



A real sporty machine for the discerning rider  
up to 85 m.p.h. and up to 27 b.h.p.

## ENDURANCE 30 cu. in.

up to 34 b.h.p.



*Velocette*

Equally at home on  
highway or range.

MODEL	MSS	*VIPER SPECIAL VIPER VIPER VEELINE	VIPER CLUBMAN CLUBMAN VEELINE MK. II	*VENOM SPECIAL VENOM VENOM VEELINE	VENOM CLUBMAN CLUBMAN VEELINE MK. II
<b>ENGINE — Type</b> ... ..	O.H.V., air cooled vertical single cylinder	O.H.V., air cooled vertical single cylinder	O.H.V., air cooled vertical single cylinder	O.H.V., air cooled vertical single cylinder	O.H.V., air cooled vertical single cylinder
<b>Bore and Stroke</b> ... ..	86 x 86 mm. (3-385 x 3-385 in.)	72 x 86 mm. (2-834 x 3-385 in.)	72 x 86 mm. (2-834 x 3-385 in.)	86 x 86 mm. (3-385 x 3-385 in.)	86 x 86 mm. (3-385 x 3-385 in.)
<b>Capacity (swept volume)</b> ... ..	499 c.c. (30-45 cu. in.)	349 c.c. (21-29 cu. in.)	349 c.c. (21-29 cu. in.)	499 c.c. (30-45 cu. in.)	499 c.c. (30-45 cu. in.)
<b>Compression Ratio</b> ... ..	6-75 to 1	8-5 to 1	8-5 to 1	8-3 to 1	8-75 to 1
<b>Brake Horse-power</b> ... ..	27 b.h.p. at 5,000 r.p.m.	26 b.h.p. at 7,000 r.p.m.	28 b.h.p. at 7,000 r.p.m.	34 b.h.p. at 6,200 r.p.m.	37 b.h.p. at 6,200 r.p.m.
<b>Carburettor</b> ... ..	Amal	Amal	Amal	Amal	Amal
<b>Ignition</b> ... ..	Mag. Lucas KIF (auto adv.)	Mag. Lucas KIF (auto adv.)	Comp't'n Hand Controlled	Mag. Lucas KIF (auto adv.)	Comp't'n Hand Controlled
<b>Generator</b> ... ..	6 volt with auto voltage regulator	6 volt with auto voltage regulator	6 volt with auto voltage regulator	6 volt with auto voltage regulator	6 volt with auto voltage regulator
<b>Generator Drive</b> ... ..	Enclosed "V" belt	Enclosed "V" belt	Enclosed "V" belt	Enclosed "V" belt	Enclosed "V" belt
<b>GEARBOX</b>					
<b>Gear Ratios (overall)</b> ... ..	Velo. 4-spd. foot control	Velo. 4-spd. foot control	Velo. 4-spd. foot control	Velo. 4-spd. foot control	Velo. 4-spd. foot control
Top ... ..	Solo 4.87 S/C 5-5 to 1	5-5 to 1	5-5 to 1	4.87 to 1	4.87 to 1
Third ... ..	Solo 5.87 S/C 7-3 to 1	6-6 to 1	6-6 to 1	5.87 to 1	5.87 to 1
Second ... ..	Solo 7-7 S/C 9-6 to 1	8-7 to 1	8-7 to 1	7-7 to 1	7-7 to 1
First ... ..	Solo 11-2 S/C 14 to 1	12-6 to 1	12-6 to 1	11-2 to 1	11-2 to 1
<b>TRANSMISSION</b>					
<b>Sprockets</b> ... ..	Engine ... ..	Engine ... ..	Engine ... ..	Engine ... ..	Engine ... ..
Clutch ... ..	5 in. pitch, 23 teeth	5 in. pitch, 21 teeth	5 in. pitch, 21 teeth	5 in. pitch, 23 teeth	5 in. pitch, 23 teeth
Gearbox ... ..	5 in. pitch, 44 teeth	5 in. pitch, 44 teeth	5 in. pitch, 44 teeth	5 in. pitch, 44 teeth	5 in. pitch, 44 teeth
Rear Wheel ... ..	625 in. pitch, 18 teeth Solo	5 in. pitch, 21 teeth	5 in. pitch, 21 teeth	625 in. pitch, 18 teeth	625 in. pitch, 18 teeth
	16 teeth S/C	5 in. pitch, 55 teeth	5 in. pitch, 55 teeth	625 in. pitch, 46 teeth	625 in. pitch, 46 teeth
	625 in. pitch, 46 teeth				
<b>Chains</b> ... ..	Primary ... ..	Primary ... ..	Primary ... ..	Primary ... ..	Primary ... ..
Rear ... ..	5 in. x .305 in., 68 pitches	5 in. x .305 in., 67 pitches	5 in. x .305 in., 67 pitches	5 in. x .305 in., 68 pitches	5 in. x .305 in., 68 pitches
	625 in. x .380 in., 101 Solo	5 in. x .305 in., 124 pitches	5 in. x .305 in., 124 pitches	625 x .380 in., 101 pitches	625 x .380 in., 101 pitches
	100 S/C pitches				
<b>WHEELS</b>					
<b>Rims</b> ... ..	Front ... ..	Front ... ..	Front ... ..	Front ... ..	Front ... ..
Rear ... ..	WM2 x 19 in.	WM2 x 19 in.	WM2 x 19 in.	WM2 x 19 in.	WM2 x 19 in.
<b>Tyres</b> ... ..	Front ... ..	Front ... ..	Front ... ..	Front ... ..	Front ... ..
Rear ... ..	3-25 x 19 in. Studded	3-25 x 19 in. Ribbed	3-25 x 19 in. Ribbed	3-25 x 19 in. Ribbed	3-25 x 19 in. Ribbed
	3-25 x 19 in. Studded	3-25 x 19 in. Studded	3-25 x 19 in. Studded	3-25 x 19 in. Studded	3-25 x 19 in. Studded
<b>BRAKES — Drum diameter and width and Lining Area</b> ... ..	Front ... ..	Front ... ..	Front ... ..	Front ... ..	Front ... ..
Rear ... ..	7 in. x 1 in. (10-75 sq. in.)	7 in. x 1 in. (10-75 sq. in.)	7.5 in. x 1-5 in. (23 sq. in.)	7 in. x 1 in. (10-75 sq. in.)	7-5 in. x 1-5 in. (23 sq. in.)
	7 in. x 1 in. (10-75 sq. in.)	7 in. x 1 in. (10-75 sq. in.)	7 in. x 1 in. (10-75 sq. in.)	7 in. x 1 in. (10-75 sq. in.)	7 in. x 1 in. (10-75 sq. in.)
<b>CAPACITIES</b>					
<b>Engine Oil</b> ... ..	5 Imp. gall.	5 Imp. gall.	5 Imp. gall.	5 Imp. gall.	5 Imp. gall.
	(2-27 litres, .6 U.S. gall.)	(2-27 litres, .6 U.S. gall.)	(2-27 litres, .6 U.S. gall.)	(2-27 litres, .6 U.S. gall.)	(2-27 litres, .6 U.S. gall.)
<b>Fuel Tank</b> ... ..	4-25 Imp. gall.	4-25 Imp. gall.	4-25 Imp. gall.	4-25 Imp. gall.	4-25 Imp. gall.
	(19-3 litres, 5-1 U.S. gall.)	(19-3 litres, 5-1 U.S. gall.)	(19-3 litres, 5-1 U.S. galls.)	(19-3 litres, 5-1 U.S. gall.)	(19-3 litres, 5-1 U.S. galls.)
		*3 Imp. gall.			
		(13-6 litres, 3-6 U.S. gall.)			
<b>PRINCIPAL DIMENSIONS</b>					
<b>Length Overall</b> ... ..	84 in. (213 cms.)	84 in. (213 cms.)	84 in. (213 cms.)	84 in. (213 cms.)	84 in. (213 cms.)
<b>Width Overall</b> ... ..	27-5 in. (70 cms.)	27-5 in. (70 cms.)	27-5 in. (70 cms.)	27-5 in. (70 cms.)	27-5 in. (70 cms.)
<b>Height Overall</b> ... ..	39 in. (99 cms.)	39 in. (99 cms.)	39 in. (99 cms.)	39 in. (99 cms.)	39 in. (99 cms.)
<b>Height Overall VeeLine Models</b> ... ..		59 in. (150 cms.)	48 in. (122 cms.)	59 in. (150 cms.)	48 in. (122 cms.)
<b>Wheelbase (in static loaded position)</b> ... ..	53-75 in. (136-5 cms.)	53-75 in. (136-5 cms.)	53-75 in. (136-5 cms.)	53-75 in. (136-5 cms.)	53-75 in. (136-5 cms.)
<b>Ground Clearance</b> ... ..	5-5 in. (14 cms.)	5-5 in. (14 cms.)	5-5 in. (14 cms.)	5-5 in. (14 cms.)	5-5 in. (14 cms.)
<b>Seat Height</b> ... ..	30-5 in. (77-5 cms.)	30-5 in. (77-5 cms.)	30-5 in. (77-5 cms.)	30-5 in. (77-5 cms.)	30-5 in. (77-5 cms.)
<b>UNLADEN WEIGHT</b> ... ..	385 lb. (174 kilos)	380 lb. (172 kilos)	380 lb. (172 kilos)	385 lb. (174 kilos)	385 lb. (174 kilos)
<b>UNLADEN WEIGHT VeeLine Models</b> ... ..		399 lb. (181 kilos)	399 lb. (181 kilos)	404 lb. (183 kilos)	404 lb. (183 kilos)

MODEL	VENOM THRUXTON 500	500 SCRAMBLER	ENDURANCE	L.E. MARK III	VOGUE
<b>ENGINE — Type</b> ... ..	O.H.V., air cooled vertical single cylinder	O.H.V., air cooled vertical single cylinder	O.H.V., air cooled vertical single cylinder	S.V. water cooled horizontal opposed twin	S.V. water cooled horizontal opposed twin
<b>Bore and Stroke</b> ... ..	86 x 86 mm. (3-385 x 3-385 in.)	86 x 86 mm. (3-385 x 3-385 in.)	86 x 86 mm. (3-385 x 3-385 in.)	50 x 49 mm. (1-968 x 1-929 in.)	50 x 49 mm. (1-968 x 1-929 in.)
<b>Capacity (swept volume)</b> ... ..	499 c.c. (30-45 cu. in.)	499 c.c. (30-45 cu. in.)	499 c.c. (30-45 cu. in.)	192 c.c. (11-7 cu. in.)	192 c.c. (11-7 cu. in.)
<b>Compression Ratio</b> ... ..	9 to 1	8-75 to 1	8-75 to 1	7 to 1	7 to 1
<b>Brake Horse-power</b> ... ..	41 b.h.p. at 6,200 r.p.m.	39 b.h.p. at 6,200 r.p.m.	34 b.h.p. at 6,200 r.p.m.	8 b.h.p. at 5,000 r.p.m.	8 b.h.p. at 5,000 r.p.m.
<b>Carburettor</b> ... ..	Amal 1 1/2" G.P. Racing	Amal	Amal	Amal Type 19	Amal Type 19
<b>Ignition</b> ... ..	Comp't'n Hand Controlled	Comp't'n Hand Controlled	Mag. Lucas KIF (auto adv.)	Battery and Coil	Battery and Coil
<b>Generator</b> ... ..	6 volt with auto voltage regulator	6 volt with auto voltage regulator	6 volt with auto voltage regulator	Lucas 12 volt	Lucas 12 volt
<b>Generator Drive</b> ... ..	Enclosed "V" belt	—	Enclosed "V" belt	—	—
<b>GEARBOX</b>					
<b>Gear Ratios (overall)</b> ... ..	Velo. 4-spd. foot control	Velo. 4-spd. foot control	Velo. 4-spd. foot control	Velo. 4-spd. foot control	Velo. 4-spd. foot control
Top ... ..	4-4 to 1	7-2 to 1	4-87 to 1	7-25 to 1	7-25 to 1
Third ... ..	5-3 to 1	8-58 to 1	5-87 to 1	9-82 to 1	9-82 to 1
Second ... ..	6-97 to 1	11-41 to 1	7-7 to 1	13-3 to 1	13-3 to 1
First ... ..	10-1 to 1	16-65 to 1	11-2 to 1	20-4 to 1	20-4 to 1
<b>TRANSMISSION</b>					
<b>Sprockets</b> ... ..	Engine ... ..	Engine ... ..	Engine ... ..	Shaft and spiral bevel	Shaft and spiral bevel
Clutch ... ..	5 in. pitch, 23 teeth	5 in. pitch, 23 teeth	5 in. pitch, 23 teeth	—	—
Gearbox ... ..	5 in. pitch, 44 teeth	5 in. pitch, 44 teeth	5 in. pitch, 44 teeth	—	—
Rear Wheel ... ..	625 in. pitch, 20 teeth	625 in. pitch, 16 teeth	625 in. pitch, 18 teeth	—	—
	625 in. pitch, 46 teeth	625 in. pitch, 60 teeth	625 in. pitch, 46 teeth	—	—
<b>Chains</b> ... ..	Primary ... ..	Primary ... ..	Primary ... ..	—	—
Rear ... ..	5 in. x .305 in., 68 pitches	5 in. x .305 in., 68 pitches	5 in. x .305 in., 68 pitches	—	—
	625 x .380 in., 103 pitches	625 x .380 in., 108 pitches	625 x .380 in., 101 pitches	—	—
<b>WHEELS</b>					
<b>Rims</b> ... ..	Front ... ..	Front ... ..	Front ... ..	Front ... ..	Front ... ..
Rear ... ..	WM2 x 19 in.	WM1 x 21 in.	WM1 x 21 in.	WM2 x 18 in.	WM2 x 18 in.
<b>Tyres</b> ... ..	Front ... ..	Front ... ..	Front ... ..	Front ... ..	Front ... ..
Rear ... ..	3-00 x 19 in. Ribbed	3 x 21 in. Competition	3 x 21 in. Competition	3-25 x 18 in. Ribbed	3-25 x 18 in. Ribbed
	3-25 x 19 in. Studded	4 x 19 in. Competition	4 x 19 in. Competition	3-25 x 18 in. Studded	3-25 x 18 in. Studded
<b>BRAKES — Drum diameter and width and Lining Area</b> ... ..	Front ... ..	Front ... ..	Front ... ..	Front ... ..	Front ... ..
Rear ... ..	7-5 in. x 1-5 in. (23 sq. in.)	7 in. x 1 in. (10-75 sq. in.)	7 in. x 1 in. (10-75 sq. in.)	5 in. x 1 in. (9-25 sq. in.)	5 in. x 1 in. (9-25 sq. in.)
	7 in. x 1 in. (10-75 sq. in.)	7 in. x 1 in. (10-75 sq. in.)	7 in. x 1 in. (10-75 sq. in.)	5 in. x 1 in. (9-25 sq. in.)	5 in. x 1 in. (9-25 sq. in.)
<b>CAPACITIES</b>					
<b>Engine Oil</b> ... ..	5 Imp. gall.	5 Imp. gall.	5 Imp. gall.	1-75 Imp. pts.	1-75 Imp. pts.
	(2-27 litres, .6 U.S. gall.)	(2-27 litres, .6 U.S. gall.)	(2-27 litres, .6 U.S. gall.)	(1 litre, 2-1 U.S. pts.)	(1 litre, 2-1 U.S. pts.)
<b>Fuel Tank</b> ... ..	4-25 Imp. gall.	2-5 Imp. gall.	2-5 Imp. gall.	1-625 Imp. gall.	2-5 Imp. gall.
	(19-3 litres, 5-1 U.S. gall.)	(11-35 litres, 3 U.S. gall.)	(11-35 litres, 3 U.S. gall.)	(7-4 litres, 1-95 U.S. gall.)	(11-37 litres, 3 U.S. gall.)
<b>PRINCIPAL DIMENSIONS</b>					
<b>Length Overall</b> ... ..	84 in. (213 cms.)	89 in. (226 cms.)	89 in. (226 cms.)	81 in. (205-74 cms.)	81 in. (205-74 cms.)
<b>Width Overall</b> ... ..	27-5 in. (70 cms.)	34-5 in. (89 cms.)	30 in. (76 cms.)	25-5 in. (64-77 cms.)	30 in. (76-2 cms.)
<b>Height Overall</b> ... ..	39 in. (99 cms.)	43 in. (109 cms.)	44-5 in. (113 cms.)	38 in. (96-5 cms.)	37 in. (93-98 cms.)
<b>Height Overall VeeLine Models</b> ... ..					
<b>Wheelbase (in static loaded position)</b> ... ..	53-75 in. (136-5 cms.)	53-75 in. (136-5 cms.)	53-75 in. (136-5 cms.)	51-25 in. (130-17 cms.)	51-25 in. (130-17 cms.)
<b>Ground Clearance</b> ... ..	5-5 in. (14 cms.)	6-5 in. (16-5 cms.)	6-5 in. (16-5 cms.)	4-5 in. (11-4 cms.)	4-5 in. (11-4 cms.)
<b>Seat Height</b> ... ..	30-5 in. (77-5 cms.)	33 in. (83-8 cms.)	33 in. (83-8 cms.)	28 in. (71 cms.)	28 in. (71 cms.)
<b>UNLADEN WEIGHT</b> ... ..	375 lb. (170 kilos)	335 lb. (152 kilos)	375 lb. (170 kilos)	263 lb. (119 kilos)	275 lb. (124-73 kilos)

### RACING AND OTHER EQUIPMENT AVAILABLE (where not fitted as standard)

Sidcar gear ratios and sidcar front fork springs. Choice of colour. Competition type magneto with hand control. Reinforced drive side rear engine plate. Light alloy wheel rims. Tachometer (rev. meter) and drive from special timing cover. Exhaust pipe extension or megaphone. GP carburettor. Large Valve Cylinder Head — 2" inlet Port (Venom Clubman only). "Blown" racing type screen only. Double leading shoe front brake.

### EXTRAS AND ACCESSORIES

American or English style handlebar (American standard on Endurance model). Aluminium full width hub and brake assembly (standard on Clubman model). Pillion footrests and bolts, stop light and switch. Polished chromium-plated safety bar (cannot be fitted unless Engine fairing is omitted). Steering damper (standard on Scramblers and Thruxton models). Chrome mudguards (standard on Black ordinary Venom, Viper and Clubman models). Air cleaner, carrier (for use with Velocette Panniers only), pannier frames and bags. Chromium-plated wheel rims (Viper and Venom Special models).