



## **Cement Mixer**

### **Model: 1177-0**

Thank you for purchasing this Cement Mixer.

This machine is a compact unit designed to mix small quantities of mortar, concrete or plaster.

This manual covers the assembly, operation and maintenance of a:

## **Cement Mixer**

## **SAFETY & OPERATING INSTRUCTIONS**

Conforms to European Standards

### **READ AND SAVE THESE INSTRUCTIONS**

Before operating this machine.

#### **Warranty:**

The warranty on this machine is for twelve months from date of purchase (three months commercial use)

The warranty does not cover damaged cables or failure due to misuse or neglect.

Year of manufacture 2005

## **SPECIFICATIONS**

Drum capacity:	5 Cubic feet
Batch output:	2.5 cubic feet (125 Kg)
Drum Diameter:	58cm
Discharge outlet height:	82cm
Wheels:	25cm x 7cm
Operating dimensions:	H85cm x W64cm x L126cm
Storage dimensions:	H90cm x W65cm x L90cm
Weight:	74Kg complete with stand
Engine:	Petrol
Drum speed:	24 rpm @ 2,800 rpm.
Guaranteed sound: power	101 dB L <sub>wa</sub>

Product development is an on going process; specifications may change without notice.

# SAFETY & OPERATING INSTRUCTIONS

Safety instructions:

**The owner must ensure that only qualified persons  
Operate, Maintain or Repair this machine**

1. Inspect the mixer before use; if you are in any doubt about its condition **Don't use it.**
2. When not in use store in a dry secure place.
3. Keep away from children.
4. The mixer work area must be coned off from the general public.
5. Before attempting any maintenance or removal of guards, turn off the engine, disconnect the plug lead and remove the spark plug.
6. Petrol engines become hot in use, Do Not re-fuel or touch hot engine parts until engine has cooled down.
7. Always transport, store and operate this mixer in an upright position.
8. When assembling a mixer on a stand take care when lifting into the upright position.
9. The mixer weighs in excess of 50 Kg. Don't attempt to lift it yourself.

## **Mixing instructions:**

- (1) Start your mixer
- (2) Add water, this prevents contents sticking to drum.
- (3) Add cement
- (4) Add sand, aggregate etc.
- (5) Mix thoroughly before discharging

# Safety & Operating Instructions

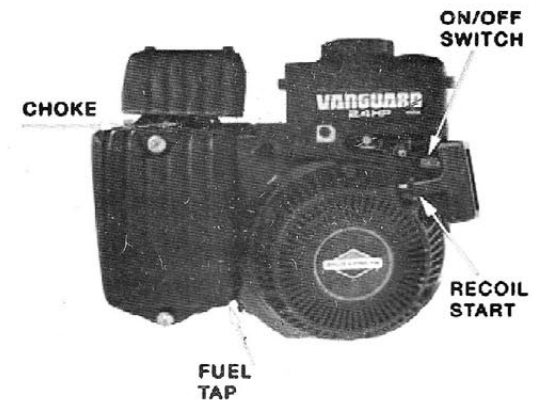
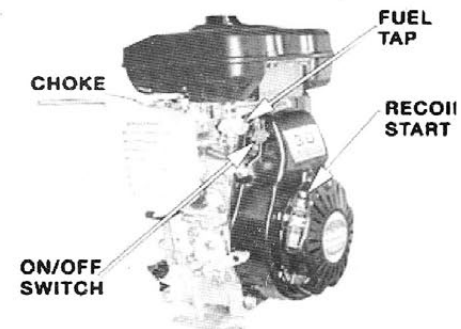
## OPERATING CONTROL

(See picture below)

FIG.1

FIG.2

FIG.3



# Safety & Operating Instructions

## DO'S AND DONT'S

Your BM300 Cement Mixer has been designed with safety in mind. However, as with any type of machinery, some basic **DO'S** and **DONT'S** apply:

**Always operate the Cement Mixer on a level surface. If placed on an incline the machine could fall over.**

**Do not** place your hand or hands in or around any part of the drum while it is rotating.

**Do not** place any tools or implements in or around the drum while it is rotating.

**Do not** operate the mixer on an uneven surface.

**Do not** operate this machine on a steep gradient.

**Do not** operate in close proximity to children or animals.

**Do not** allow any persons aged 16 or under to operate the machine.

**Do not** operate this machine without the safety guards being in place.

**Do not** stop and start the mixer with material in the drum, this will damage the Engine and reduction box.

**Do not** wear loose fitting clothes, risk of entanglement with the mixer.

**Do not** operate this machine whilst under the influence of alcohol or drugs

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**Do** have the drum rotating when discharging the mix.

**Do** wear protective clothing i.e. safety footwear, gloves, safety goggles, ear protectors etc.

**Do** use caution when assembling and transporting the mixer.

**Do** keep the drum free from debris and mortar build-up.

**Do** keep all moving parts lightly greased (wheel axles, swivel brackets etc).

**Do** periodically inspect your mixer for abnormal wear or damage.

When discharging the mix, disconnect the locking pin on the swivel bracket, Grip both handles firmly and tip mixer forward.

## ASSEMBLY INSTRUCTIONS:

(1) **Read these instructions carefully.**

(2) Remove all components from packing and check the required amount have been supplied.

(3) Place the main frame on a level surface.

(4) Slide both wheels onto the main frame axle, and secure with R clips included in the assembly kit.

(5) Remove engine from its packing, select appropriate pulley kit, marked either: Robin  $\frac{3}{4}$ " kit or Briggs & Stratton  $\frac{5}{8}$ " kit from assembly kits provided.

(6) Attach spacer, key, pulley and washers to the crankshaft and fix with the relevant bolt provided. (See fig. 1)

(7) Remove right hand section of upper belt guard, a drive belt is pre-installed under this cover.

(8) Install engine by first insuring the belt is located onto the engine pulley, fix engine to base plate using the 4 x 6mm x 35mm nuts, bolts and washers provided. Tension belt by sliding engine to the left and tighten nuts and bolts, replace belt guard.

(9) Apply a small amount of grease (not provided) around the thread on the drum stub axle. Mount the mixing drum onto the stub axle by sliding drum onto the shaft till it locates the thread, then rotate the drum clockwise until you can feel resistance through the reduction box.

(10) Fit plastic engine cover to handlebar assembly using 2 x self tapping screws provided, fit handlebar assembly into main frame uprights and secure with 2 x 6mm x 50mm provided

(11) Engine preparation: to ensure correct oil level, block rear stand legs by 110mm so the engine is sitting level, remove oil filler cap and fill to engine manufactures specifications found in engine instruction book accompanying the engine.

(12) Fill engine with unleaded petrol allow adequate ventilation, **Do Not smoke, (Do Not start engine in enclosed areas).**

(13) Engine starting procedure: Turn fuel tap on (downward position), Set choke to max. Turn ignition switch to the on position. Pull starter cord. When the engine is warm return choke lever to normal running position. (See fig. 2 and Fig. 3)

(14) Before operating the mixer, always check all guards and clips are in place, and that all nuts, bolts and screws are fully tight.

(15) Your Cement Mixer is now ready to operate.

No.	NAME	Q'ty
1	drum	1
2	bolt (M10X25)	4
3	washer(10)	4
4	bolt(M8X40)	2
5	nut(M8)	2
6	engines cover	1
7	block	2
8	handle	1
9	cover	2
10	screw	2
11	bolt(M6X25)	1
12	washer	1
13	key (5X18)	1
14	set washer	1
15	flat-toothedbelt	1
16	driver	1
17	pipe box	1
18	nut (M8)	4
19	strap cover-L	1
20	strap cover-r	1
21	strap cover-u	1
22	screw (M5X10)	6
23	pulley	1
24	spring washer (13)	1
25	washer (8)	4
26	bolt (M8X15)	8
27	gera box	1
28	brackets	1
29	stop bolt	1
30	pin	2
31	wheel	2
32	shaft housing	1
33	pin	2
34	stand	4
35	pin	2
36	engine assembly	1

