

# STARTRITE

## INSTRUCTION MANUAL

**MDE/HC**

**IMPORTANT**  
READ THE INSTRUCTIONS  
CAREFULLY BEFORE  
USING THIS PRODUCT

ISSUE 3

BO11675

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# STARTRITE

## ASSEMBLING EXTRACTOR UNIT.

**CAUTION:** Fan motor must not be switched on unless the machine is fully assembled according to the instructions below.

1. Remove contents from carton (machine base packed under false bottom of carton). Check and identify parts from Parts List (see page 5), before attempting to assemble machine.

2. Place skirt assembly on floor upside down (i.e. with retaining band upper most - see Fig.1). Assemble three legs to channels on skirt (see Fig.1) using 6 screws, 6 nuts, 12 washers and spanner supplied (do not fully tighten screws).

3. Assemble three lower legs to upper legs as shown in Fig.2 using 6 screws, 6 nuts and 12 washers.

4. Assemble base to legs (see Fig.3) using 6 screws, 6 nuts and 12 washers (do not fully tighten screws). Push four castors firmly into sockets in underside of base, or alternatively, the machine can be fitted with four bolting down brackets, which can be secured, to the base (see Fig.3). Turn machine right way up onto a level floor, check machine stands firmly without wobble, and tighten all screws.

5. Connect suction hose to inlet pipe on skirt using clip supplied (see Fig.4).

6. Clip linen filter bag, brushed (fluffy) side inwards to top of skirt allowing approximately 40 mm (1½") overlap. Fit a plastic collection bag to lower end of skirt and retain bag in position by tucking it under retaining band and fastening clip. Allow sufficient overlap to prevent the bag pulling off in use.

Connect the free end of the flexible suction hose to an appropriate 160 mm (6¼") or 110 mm (4¼") diameter extraction spigot.

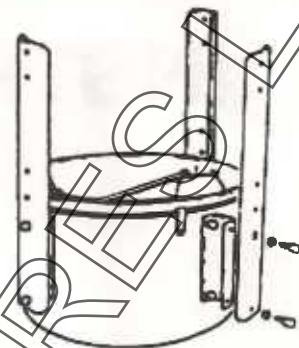


Fig.1.

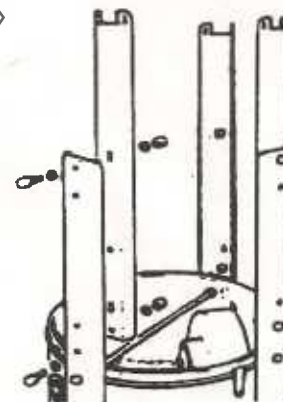


Fig.2.

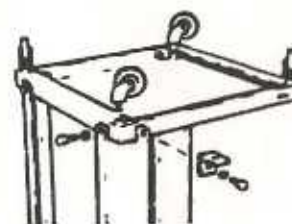


Fig.3.

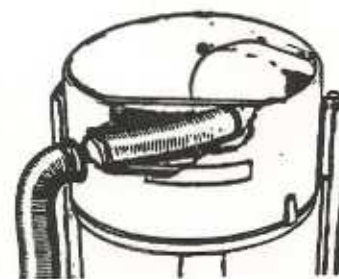
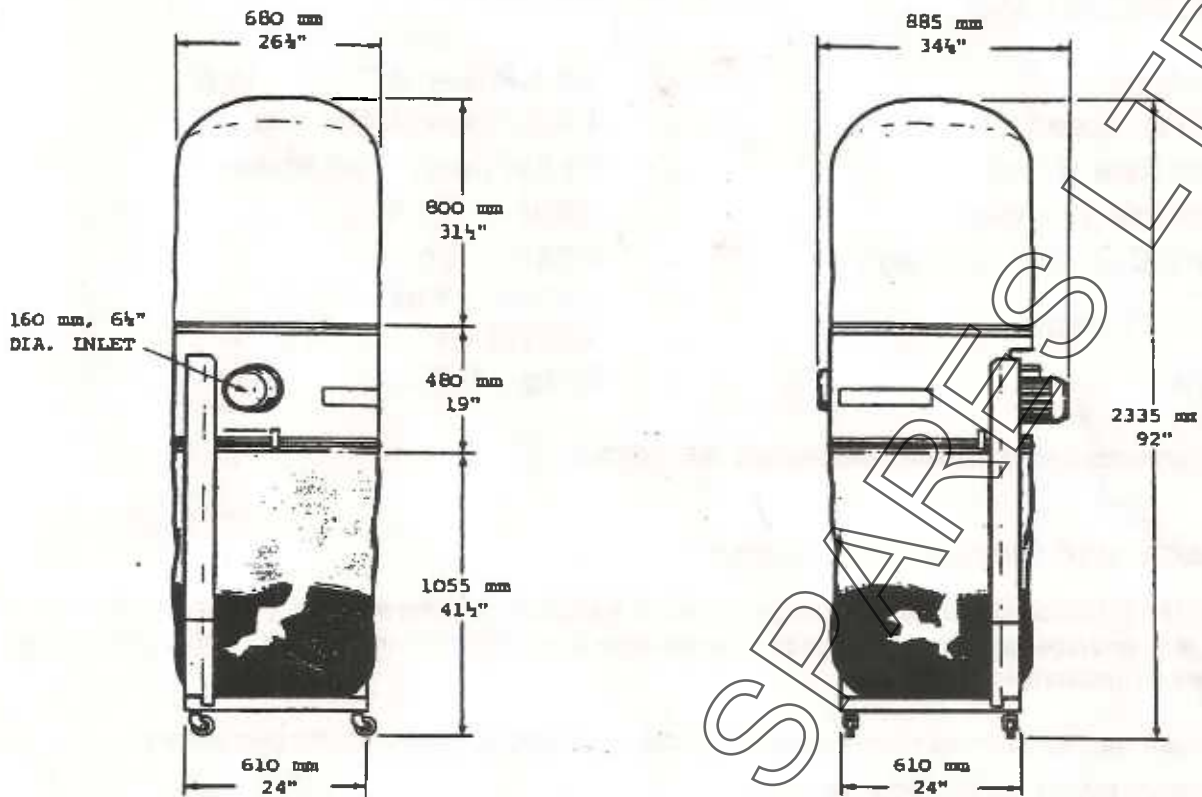


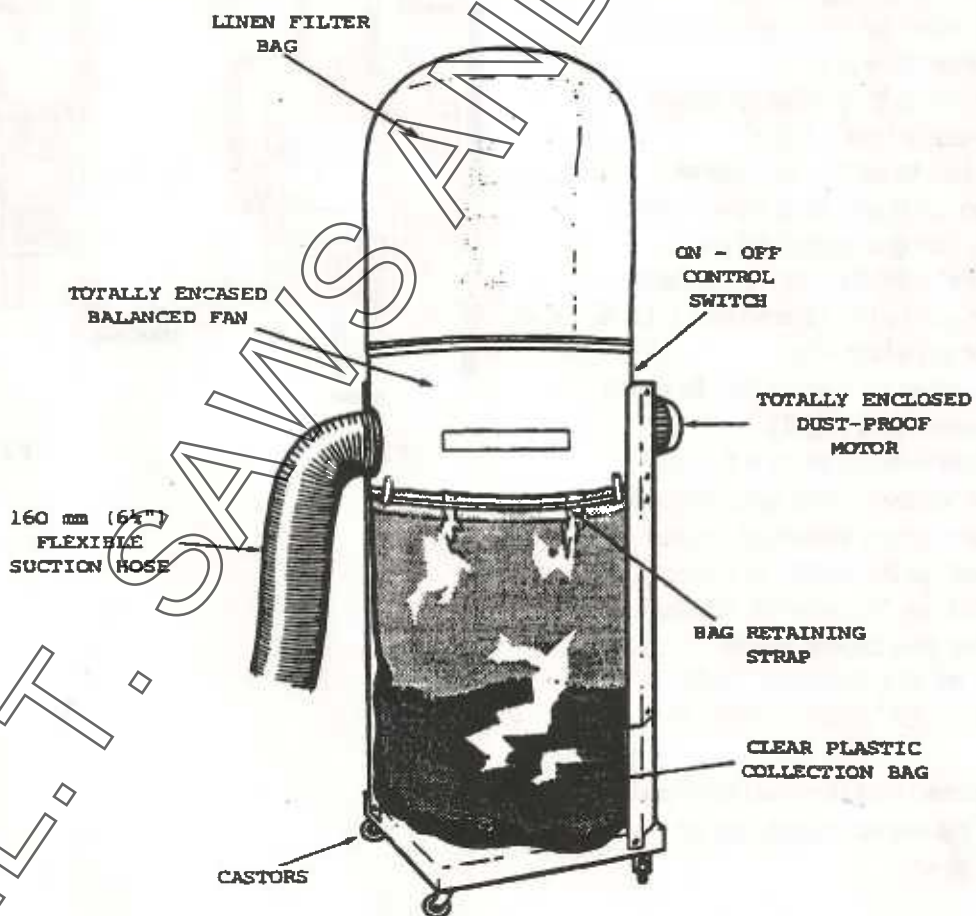
Fig.4.

ALL DIMENSIONS APPROXIMATE

ALL DIMENSIONS APPROXIMATE



FOUNDATION PLAN FOR CYCLAIR 75 EXTRACTOR UNIT.



GENERAL LAYOUT OF CYCLAIR 75 EXTRACTOR UNIT.



## SPECIFICATIONS

Motor Output	- 1 & 3 Phase: 0.75kW., 1h.p.
Motor/Fan Speed	- 1 & 3 Phase: 2850 r.p.m.
Suction Rate at Inlet	- 29.5 m <sup>3</sup> /min., 1045 ft <sup>3</sup> /min. *
Suction Inlet Diameter	- 160 mm, 6 1/4"
Nominal Collection Capacity	- 0.25 m <sup>3</sup> , 9 ft <sup>3</sup> *
Standard Voltages	- 415 Volt 3 Phase 50Hz - 240 Volt 1 Phase 50Hz
Weight	- 59 kg., 130lbs

\* Will vary according to material collected and state of filter.

### CONNECTION TO THE ELECTRICAL SUPPLY

**IMPORTANT:** Check that the supply voltage is suitable for operation of the machine. (Voltage marked on motor plate and label on carton). Ensure that the machine is isolated from mains supply before making any electrical connections or adjustments.

To connect machine to mains supply, proceed as follows: - Remove cover of starter (two screws).

**FOR SINGLE PHASE SUPPLY**, connect two supply leads to top terminals L1 & L3 of contactor an earth lead (yellow/green) must be connected to earth terminal of starter (See Fig.1).

Connect brown lead to a 13 amp fused supply, blue lead to neutral and yellow/green lead to earth. Temporary connection can be made to a 13 amp ring main circuit by fitting a standard plug.

**FOR THREE PHASE SUPPLY**, connect three supply leads to top terminals L1, L2 & L3 of contactor an earth lead (yellow/green) must be connected to earth terminal of starter (See Fig.2).

Connect three brown leads to a fused supply and the yellow/green lead to earth.

If the motor runs when switched on but there is no suction, the motor is running in the wrong direction. To reverse rotation, interchange any two brown leads.

**IMPORTANT. IN ALL CASES, THE MACHINE MUST BE EFFECTIVELY EARTHED.**

It is recommended that the machine be connected to the mains supply by an electrical engineer.

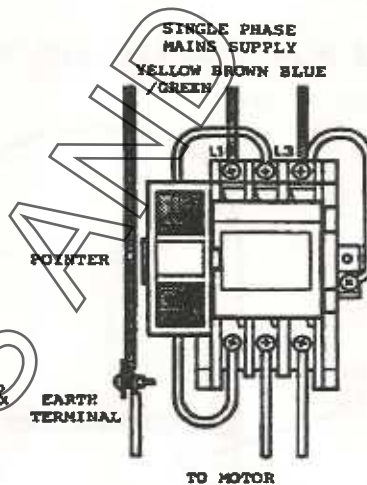


Fig.1.

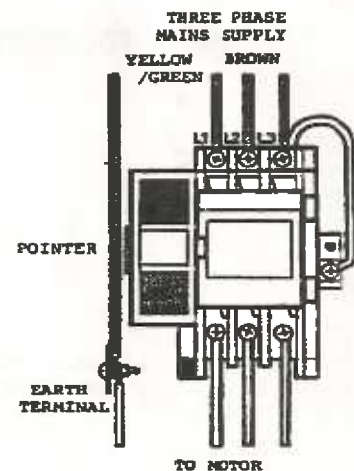
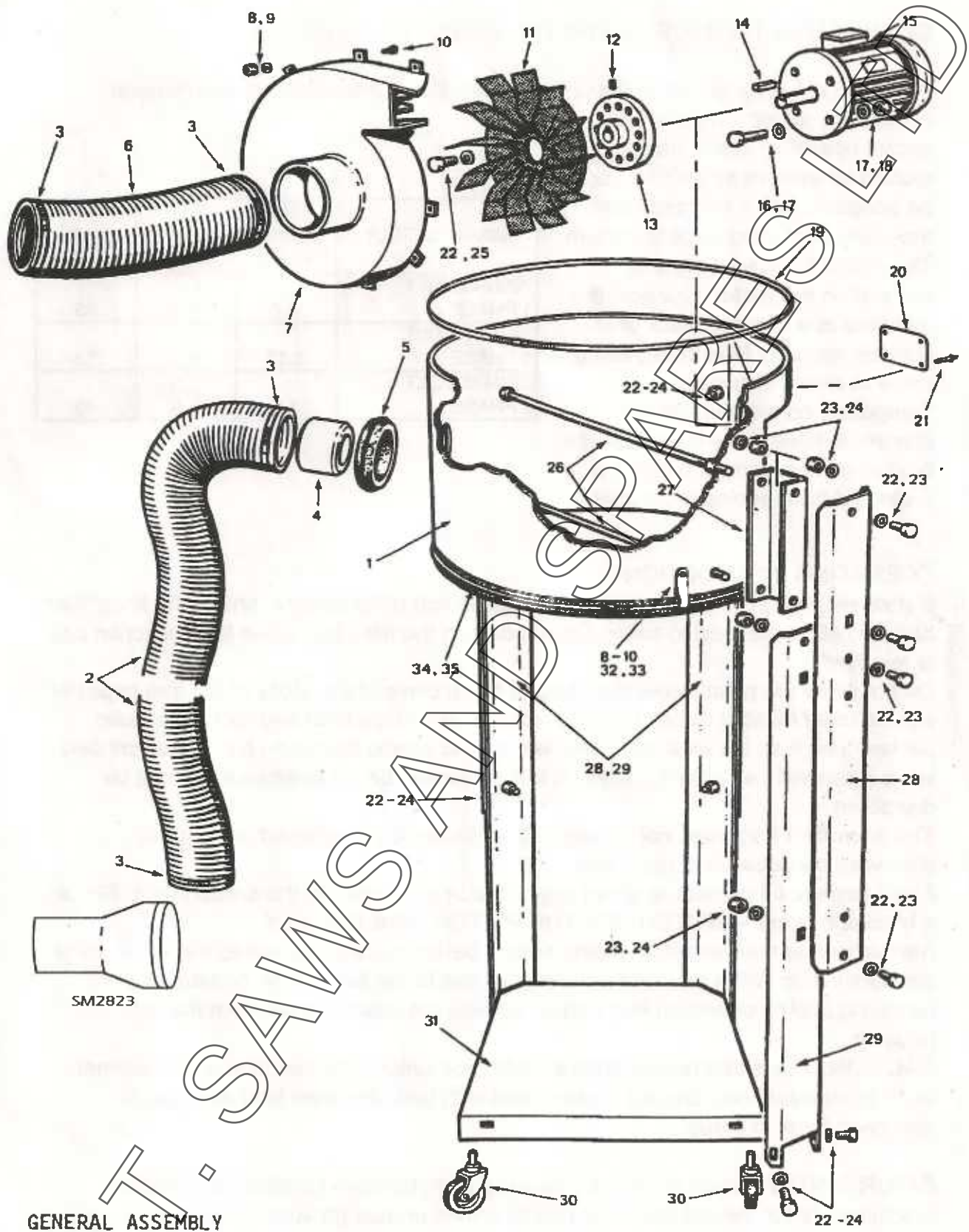


Fig.2.



GENERAL ASSEMBLY

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## CONNECTION TO THE ELECTRICITY SUPPLY (CONTINUED).

Fuse and cable recommendations given (see chart) are intended as a general guide only, as local regulations and/or operating conditions may require alternative specifications to be adopted. Motor full load current may vary according to construction. The actual full load current is marked on the motor. Connect the machine to a fused isolator of suitable capacity (see chart) using cable in cased in conduit. Temporary connection (ie. for demonstrations) may be made with flexible cables, provided that it is protected from accidental damage.

MAINS SUPPLY	FULL LOAD AMPS	MIN WIRE SIZE MM <sup>2</sup>	MAX FUSE AMPS
220/240 VOLT 1 PHASE	4.7	1.0	13
220/240 VOLT 3 PHASE	3.12	1.0	13
380/440 VOLT 3 PHASE	1.8	1.0	10

## OPERATING INSTRUCTIONS.

Before emptying the plastic collection bag, switch off the motor, shake the linen filter bag and allow the dust to settle. Do not disturb the filter bag when the collection bag is removed.

Do not allow the plastic collection bag to fill up completely. More of the bag capacity can be used for light debris such as loose planer chips than say for heavy close packed sawdust. It saves wear and tear on the plastic collection bag if it is emptied while it can still be easily handled. A torn collection bag is useless and must be discarded.

The linen filter bag must not be washed and should be replaced annually or otherwise as dependent upon use.

Avoid large solid objects, wads of rag or paper etc. entering the suction inlet. Should a blockage occur - SWITCH OFF THE MOTOR IMMEDIATELY.

Always isolate machine from mains supply before gaining access to the fan to clear the obstruction. With machine isolated, access to the fan can be gained by removing plastic collection bag and unclipping the internal hose from the fan housing.

**CAUTION:** The motor must not be switched on unless the machine is operational - ie. With internal hose clipped in place and with both the linen filter and plastic collection bags in place.

**IMPORTANT:** This unit should not be used with Abrasive Linishers or Sanding Machines, or for the extraction of TOXIC fumes or dust (in such cases it is necessary to seek expert advice. This unit is intended for the collection of sawdust & chippings from woodworking machinery.



ITEM	PART No.	DESCRIPTION	QTY
1	SM1047	Skirt Assembly	
2	BO7083	PVC Flexi Hose	3m
3	BO7316	Hose Clip	2
4	8175	Connection Pipe	1
5	5636	Sealing Rubber	1
6	BO2506	PVC Flexi Hose	0.5m
7	SM1058	Fan Housing	1
8	BO5713	Nut	12
9	BO5942	Shakeproof Washer	12
10	BO5415	Pozi Screw	12
11	SM1057/C	Fan Assembly	1
12	BO5200	Skt Grub Screw	1
13	5642	Fan Hub	1
14		Key	1
15	Starcro235	Motor	1
	Starcro236	Motor	1
16	BO5574	Hex Hd Screw	4
17	BO5919	Washer	8
18	BO5716	Nut	4
19	SM1028	Filter Bag Retaining Band	1
20	9600	Serial Plate	1
21	BO5795	Pop Rivet	4
22	BO5560	Hex Hd Screw	14
23	BO5917	Washer	12
24	BO5715	Nut	10
25		Tab Washer	1
26	5549	Strut	2
27	5548	Channel	3
28	5540	Upper Leg	3
29	5539	Lower Leg	3
30		Castor	4
31	SM1022	Base	1
32	5574	Band Retaining Loop	3
33	BO5913	Washer	3
34	SM1652	Collection Bag Retaining Band	1
35	BO6390	Sealing Strip	3m
	SM2823	Reducer	

NOT ILLUSTRATED:

5583/C	Linen Filter Bag	1
5637	Bolting Down Bracket	4
BO2504	Collection Bag	10
BO1243	Starter - 230-240V 12A	1
BO1244	Starter - 415-440V 12A	1