



ALVAN BLANCH

Processing the World's Crops

HAMMERMILL - SMALL

- *Easy to operate and maintain*
- *Convenient low level feed hopper*
- *Robust construction*
- *Electric, diesel or petrol drive*
- *Suitable for most crops*
- *Large diameter rotor and screen*



Model shown: Supervac 212
with petrol drive

APPLICATION:

The Alvan Blanch Supervac 210 series hammermills are designed for the milling of grain into flour or to act as part of a feed preparation system. They may also be used for the grinding of non-granular materials such as cassava chips, maize cobs, straw etc (when the optional chute is used).

CONSTRUCTION:

Supervac mills differ from most of their competitors in that they are of exceptionally robust construction. The main body is of 3mm plate. The cyclone is of 1.6mm thick steel. A wearing plate is bolted into the lower

section of the mill body. The mill rotor, which consists of four-way reversible hinged hammers of tempered steel, is built of 6mm and 10mm plate and mounted on a 45mm diameter shaft. A powerful fan rotor is fitted to the same shaft. The full circle screens are available in a wide range of perforations and are easy to change. The suction feed hopper is positioned at ground level - for ease of sack tipping. It incorporates a stone trap as well as a magnet.

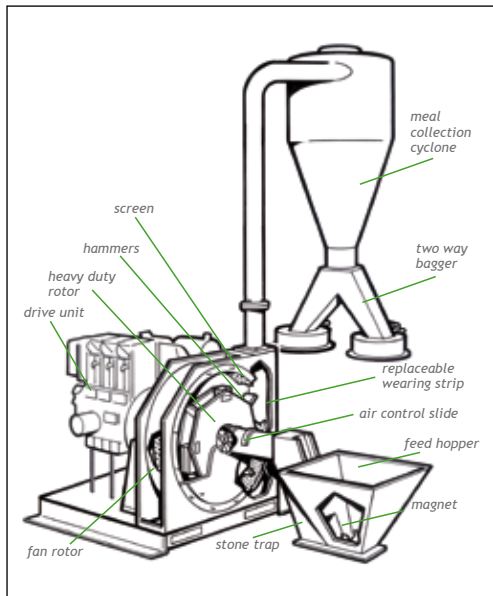
The new high efficiency cyclone reduces dust at discharge point to a minimum and is equipped with a two-way bagging device with quick release sack clamps as standard.

OPERATION:

Grain is tipped into the low level suction feed hopper, from where it is drawn by the powerful effect of the fan. The optimum feed rate for the material in question is set by means of the air control slide which, as it is opened, bleeds in air and thus reduces the volume of grain sucked from the feed hopper. An ammeter is provided with electric versions so that peak loadings can be achieved.

In the milling chamber the hammers, rotating at high speed, pulverise the material into particles small enough to be drawn through the screen by the fan rotor.

The milled material is conveyed pneumatically into



the collection cyclone from where it is discharged into the two-way bagging device that greatly improves productivity and ease of operation as it enables one bag to be filled whilst the other is being removed. The operator also

The optional direct feed chute for non-granular materials

benefits further because exposure to dust is reduced as the feed is already diverted to the other side when each bag is removed.



OPTIONAL EQUIPMENT:

REMOTE FEED: Due to the powerful suction effect of the fans, the feed hopper can be positioned away from the mill (via extra pipework).

DIRECT FEED:

For non-granular materials (straw etc) a special direct feed chute is fitted - this incorporates a control slide for flow control when used on grain.

DUST COLLECTION:

Filter stocking arrangement can be coupled to the cyclone outlet to collect fine dust.

MILL MIX COMBINATION:

The cyclone can be mounted on an Alvan Blanch meal mixer for animal feed milling.

SPECIFICATIONS

MODEL	DRIVE UNIT	OUTPUTS (1)			SCREEN AREA cm ²	SHIPPING SPEC (2)	
		5mm	3mm	1mm		m ³	Kg
Supervac							
212 / FP	Flat belt pulley	Depending on power			839	1.5	400
212/10E	7.5kW electric	1000	750	250	839	1.7	450
212/10D	Lister TS1 diesel	1000	750	250	839	1.7	550
212/15E	11kW electric	1500	1100	375	839	1.7	470
212/15D	Lister TR1 diesel	1125	850	300	839	1.8	570
212/20E	15kW electric	2000	1500	500	839	1.7	480
212/20D	Lister TS2 diesel	2000	1500	500	839	1.8	580
214/FP	Flat belt pulley	Depending on power			1,678	1.6	130
214/25E	18kW electric	2500	1900	350	1,678	1.9	500
214/25D	Lister TR2 diesel	2250	1725	600	1,678	2.0	620
214/30E	22kW electric	3000	2300	800	1,678	1.9	520
214/30D	Lister TS3 diesel	3000	2300	800	1,678	2.0	640
FBC60	30kW electric	4600	3500	1200	4,040	3.0	800

NOTES

- 1) Outputs are approximate, based on dry maize through screens of the different sizes stated.
- 2) Shipping - details are nominal only.
- 3) Dimensions - overall space occupied by 214/30D model is 2000 x 1800 x 2990mm to top of cyclone. Feed hopper is 366mm high.

In accordance with our policy of continuous development, we reserve the right to change specifications and prices at any time without notice or incurring liability to purchasers. All goods supplied according to our published terms and conditions of sale (copies on application)

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