

Continuous Flow Dryer



Automated low/high temperature drying

for paddy and all free flowing crops

One pass - and finished ready - to - store

Economical fuel consumption

HIGH BEAM Continuous flow dryer is a range of economic and efficient dryer for Paddy, Corn, Coffee and all free flowing crops.

The proven continuous "Mix Flow" principle allows product to be dried and cooled in one pass through the HIGH BEAM dryer with higher drying temperatures without causing damages. Closely spaced, the dryer has layers of tapered air ducts alternately to the openings in the opposite walls ensure even air temperature distribution across product throughout the dryer and as result complete and even drying.

MODULAR DESIGN

HIGH BEAM dryer is designed in modules of 1,070 mm height, each section allowing flexibility of installation, enables it to meet any size of requirement and to fit into any plant layout.

HEAT GENERATOR

HIGH BEAM dryer can be supplied either direct fired with oil burner or indirect with hot air generator, air-to-air heat exchanger with [Rice Husk Furnace](#) or solid fuel, also with radiators for steam or hot water.

One Pass – and Finished

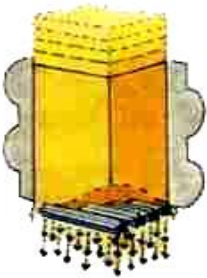
Continuous Flow to final Storage



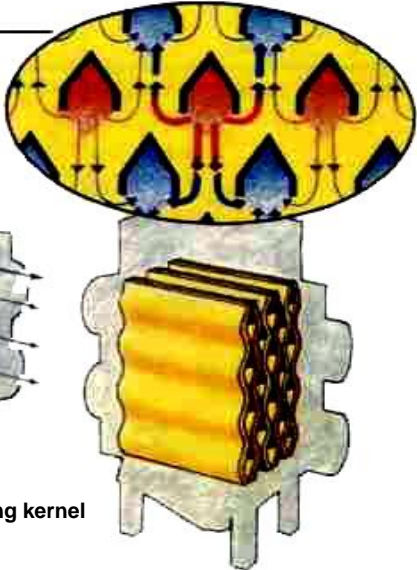
The Flow Principle



The grain move as a massive down through the dryer



The constantly moving kernel



PLC Control Panel



Automatic Air control System



Dust Collecting Room



Dust fall down by gravity

Clean Air exhaust to atmosphere



Dimension

Drying Capacities type W-240

Type W-240	Holding Vol. m ³	Capacity t/h reduced 4 %			Height, mm	
		Paddy	Maize	Wheat	H	T
1+2+2	14.1	3.2	4.4	5	4,800	7,250
1+3+2	17.3	4.8	6.1	7.2	5,660	8,110
2+4+2	23.7	6.4	8	9.5	7,380	9,830
2+5+2	26.9	8	10.2	12	8,240	10,690
2+6+2	30.1	9.6	11.9	14	9,100	11,550
3+7+2	36.5	11.2	14.8	17.5	10,820	13,270

Drying Capacities type W-360

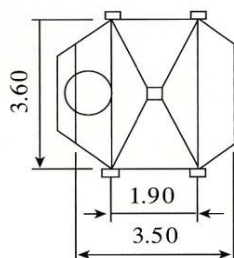
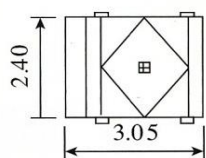
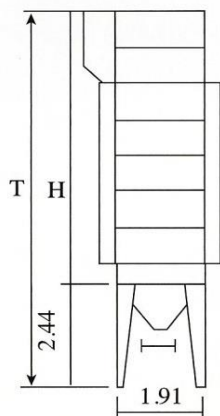
Type W-360	Holding Vol. m ³	Capacity t/h reduced 4 %			Height, mm	
		Paddy	Maize	Wheat	H	T
1+2+2	21.1	4.8	6.6	7.5	4,800	7,250
1+3+2	25.9	7.2	9.2	10.8	5,660	8,110
2+4+2	35.5	9.6	12.0	14.3	7,380	9,830
2+5+2	40.3	12.0	15.3	18.0	8,240	10,690
2+6+2	45.1	14.4	17.9	21.0	9,100	11,550
3+7+2	54.7	16.8	22.2	26.3	10,820	13,270

Type Description e.g. 1+3+2 indicates;

- One Cooling Section
- Three drying Sections
- Two Buffer Sections

Notes:

- All figures given for variable data relate to average situations.
- Drying rates are for grain dried from 19% to 15% m.c. with heated air at 85° C and ambient air at 25° C 85% R.H.





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