



GRAIN DRYERS

P, S, M AND F MODELS

www.arskametalli.fi





DRIES IN DEMANDING CIRCUMSTANCES

Arska dryers are designed for northern conditions. They allow energy-efficient drying of very wet grain and maintain excellent quality.



BATCH OR CONTINUOUS FLOW DRYING

In batch drying the grain moisture does not affect the end result. All Arska dryers are available as fast continuous flow dryers.



YOU DECIDE THE FORM OF ENERGY

There's multiple energy options for Arska dryers. For example oil, gas or biofuels.

OPTIONS FOR DRYERS

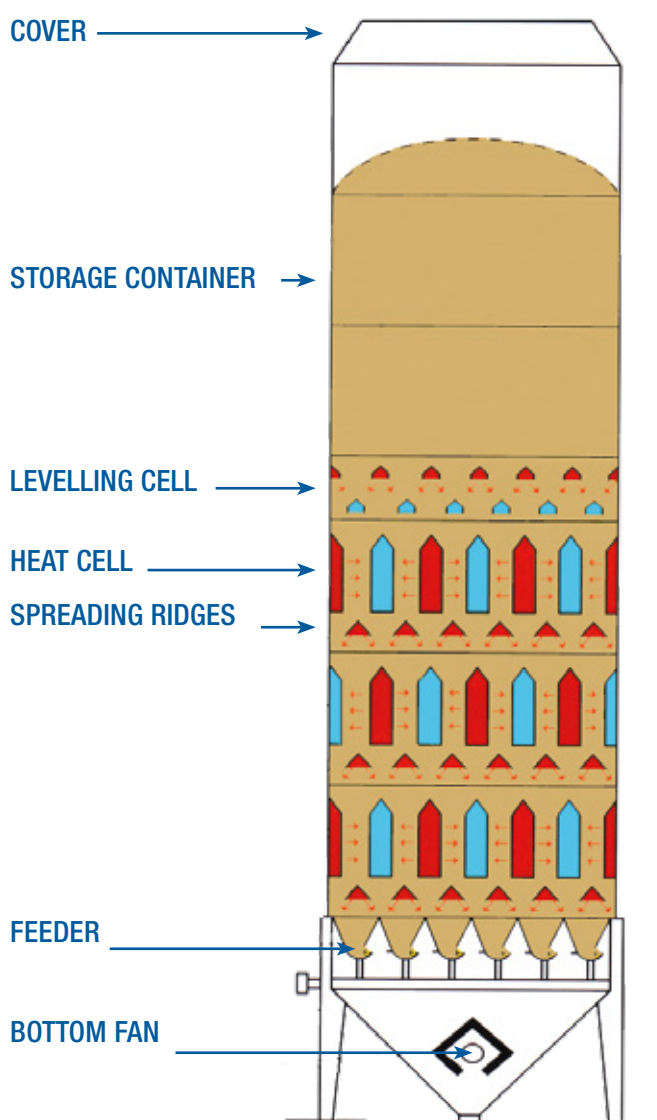
- + Tipping hopper 1x3m 1.5kW
- + Cover for tipping hopper
- + Seed Cleaners
- + Cyclone
- + GSM alarm
- + Control automation
- + Scale device
- + Additional switch for feeder
- + Rain covers for motors
- + Motored shutter for heat cell (Special / Magnum)

ECONOMICAL AND EFFICIENT GRAIN DRYING

The basis for designing dryers is to achieve energy-efficient drying, a reliable and easy-to-use machinery as well as durable and versatile structure.

All Arska dryers consist of the same components. Four basic models (Plantaasi, Special, Magnum and Farmi) are used in stationary and mobile dryers.

FEATURES



Grain is pre-heated in the levelling cell.

There are closing hatches on the highest heat cell for partial batches.

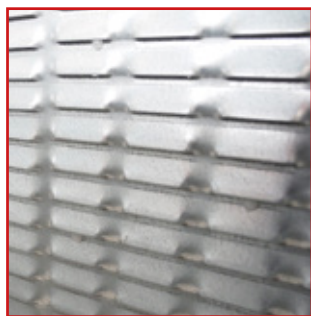
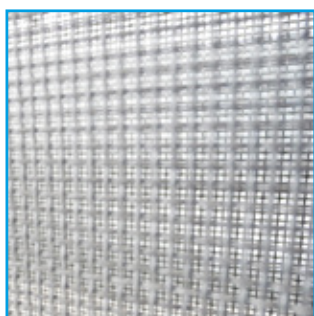
Arska heat cells have a notch cell structure, where grain doesn't swell and you can load the dryer full of grain. The structure prevents the grain to get to heater's air pipe, which makes the dryer more fire safe.

Grain moves as an equal layer at the both sides of the air channels in the heat cell. Every other channel is a inlet air channel (perforated steel) and every other is a outlet air channel (steel net).

Walls of the air notches permeate air on the entire area. Outlet air channel's permeability is remarkably higher compared to the inlet air channel, so the humidity exits efficiently and the internal remains clean.

Spreading ridges supplement the mixing of the grain layer and prevent condensation.

Depending of the model, Arska dryers have 4 – 12 feed tracks. Four-bladed cross track feeder works reliably with all grain species along the small grains.

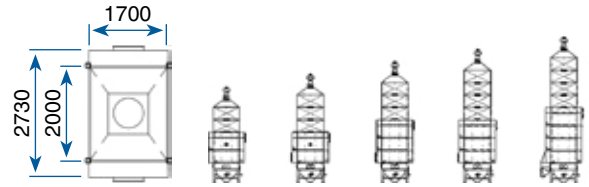


Feed speed is adjusted variably with a frequency inverter. Grain flow stays the same from start to finish of drying, regardless of grain moisture. Feed speed increases during the cooling automatically.

Bottom fan keeps the base in vacuum pressure, so moisture and dust doesn't reach inside the elevator.

PLANTAASI

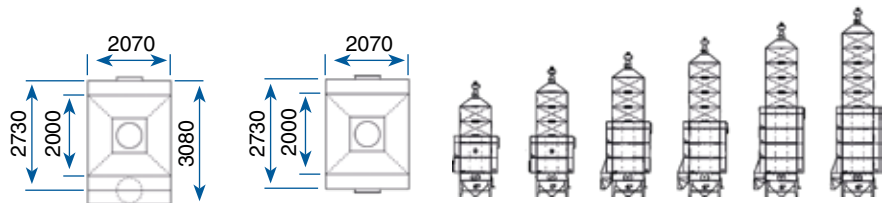
Volumes 13,5 - 24,5m³
Base size 200 x 167cm



PLANTAASI	2,5+2	2,5+3	3,5+3	3,5+4	4,5+4
Total volume [m ³]	12,8	15,7	17,9	20,8	23,0
Heat cell volume [m ³]	5,4	5,4	7,6	7,6	9,8
Storage container volume [m ³]	5,8	8,7	8,7	11,6	11,6
Dryer height [m]	7,9	8,8	9,7	11,0	11,6
Elevator min. height [m]	9,5	10,5	11,5	12,5	13,5
Elevator [t / h] *	68	68	68	68	68
Pre-cleaner [model] *	A200	A200	A200	A200	A200
Heater [model] *	3000S	3000S	4000S	4000S	6000S
Bottom fan [kW] *	0.75	0.75	0.75	0.75	0.75
Fuse size [A] *	25	25	25	25	35
Feeder 0,7m³ Heat cell 2,2m³ Levelling cell 1,3m³ Storage container 2,9m³ Cover 0,9m³					

SPECIAL

Volumes 16,9 - 34,3m³
Base size 200 x 207cm



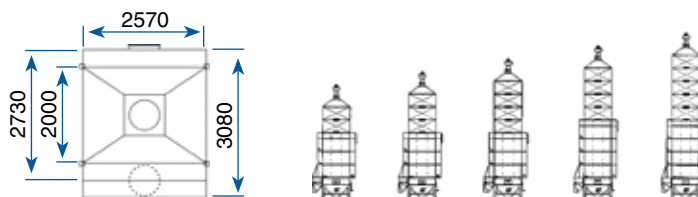
SPECIAL	2,5+3	3,5+3	3,5+4	4,5+4	4,5+5
Total volume [m ³]	19,3	22,0	25,6	28,3	31,9
Heat cell volume [m ³]	6,7	9,4	9,4	12,1	12,1
Storage container volume [m ³]	10,8	10,8	14,4	14,4	18,0
Dryer height [m]	7,2	8,1	9,0	9,9	10,9
Elevator min. height [m]	11,0	12,0	13,0	14,0	15,0
Elevator [t / h] *	68	68	68	92	92
Pre-cleaner [model] *	A200	A200	A200	A250	A250
Heater [model] *	4000S	6000S	6000S	6500S	6500S
Bottom fan [kW] *	1.5	1.5	1.5	1.5	1.5
Fuse size [A] *	25	35	35	50	50
Feeder 0,8m³ Heat cell 2,7m³ Levelling cell 1,3m³ Storage container 3,6m³ Cover 1,0m³					

* Recommendation / Other volumes also available!

MAGNUM

Volumes 16 - 43m³

Base size 200 x 257cm



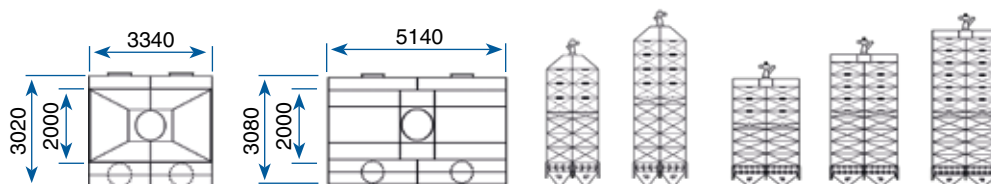
MAGNUM	3,5+2	3,5+3	3,5+4	4,5+4	4,5+5
Total volume [m ³]	24,1	28,6	33,1	36,7	41,2
Heat cell volume [m ³]	12,8	12,8	12,8	16,4	16,4
Storage container volume [m ³]	9,0	13,5	18,0	18,0	22,5
Dryer height [m]	6,7	7,6	8,6	9,5	10,4
Elevator min. height [m]	11,5	12,5	13,5	14,5	15,5
Elevator [t / h] *	68	68	68	92	92
Pre-cleaner [model] *	A200	A200	A200	A250	A250
Heater [model] *	6000S	6000S	6000S	6500S	6500S
Bottom fan [kW] *	1.5	1.5	1.5	1.5	1.5
Fuse size [A] *	35	35	35	50	50

Feeder 1,2m ³	Heat cell 3,6m ³	Levelling cell 1,7m ³	Storage container 4,5m ³	Cover 1,4m ³
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FARMI

Volumes 27,8 - 93m³

Base size 200 x 340cm



FARMI (PLANTAASI / MAGNUM)	FP 3,5+3	FP 4,5+4	FM 3,5+3	FM 4,5+4	FM 5,5+5
Total volume [m ³]	35,8	46,0	57,2	73,4	89,0
Heat cell volume [m ³]	15,2	19,6	25,0	32,2	39,4
Storage container volume [m ³]	17,4	23,2	27,0	36,0	45,0
Dryer height [m]	9,0	10,8	9,8	11,6	13,5
Elevator min. height [m]	13,0	15,0	15,0	17,0	18,0
Elevator [t / h] *	92	92	118	118	118
Pre-cleaner [model] *	A300	A300	A300	A300	A300
Heater [model] *	2 x 4000S	2 x 6000S	2 x 6000S	2 x 6500S	2 x 6500S
Bottom fan [kW] *	2 x 0.75	2 x 0.75	2 x 0.75	2 x 0.75	2 x 0.75
Fuse size [A] *	50	63	63	80	80

FP	Feeder 1,4m ³	Heat cell 4,4m ³	Levelling cell 2,6m ³	Storage container 5,8m ³	Cover 1,8m ³
FM	Feeder 2,4m ³	Heat cell 7,2m ³	Levelling cell 3,4m ³	Storage container 9,0m ³	Cover 2,8m ³



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