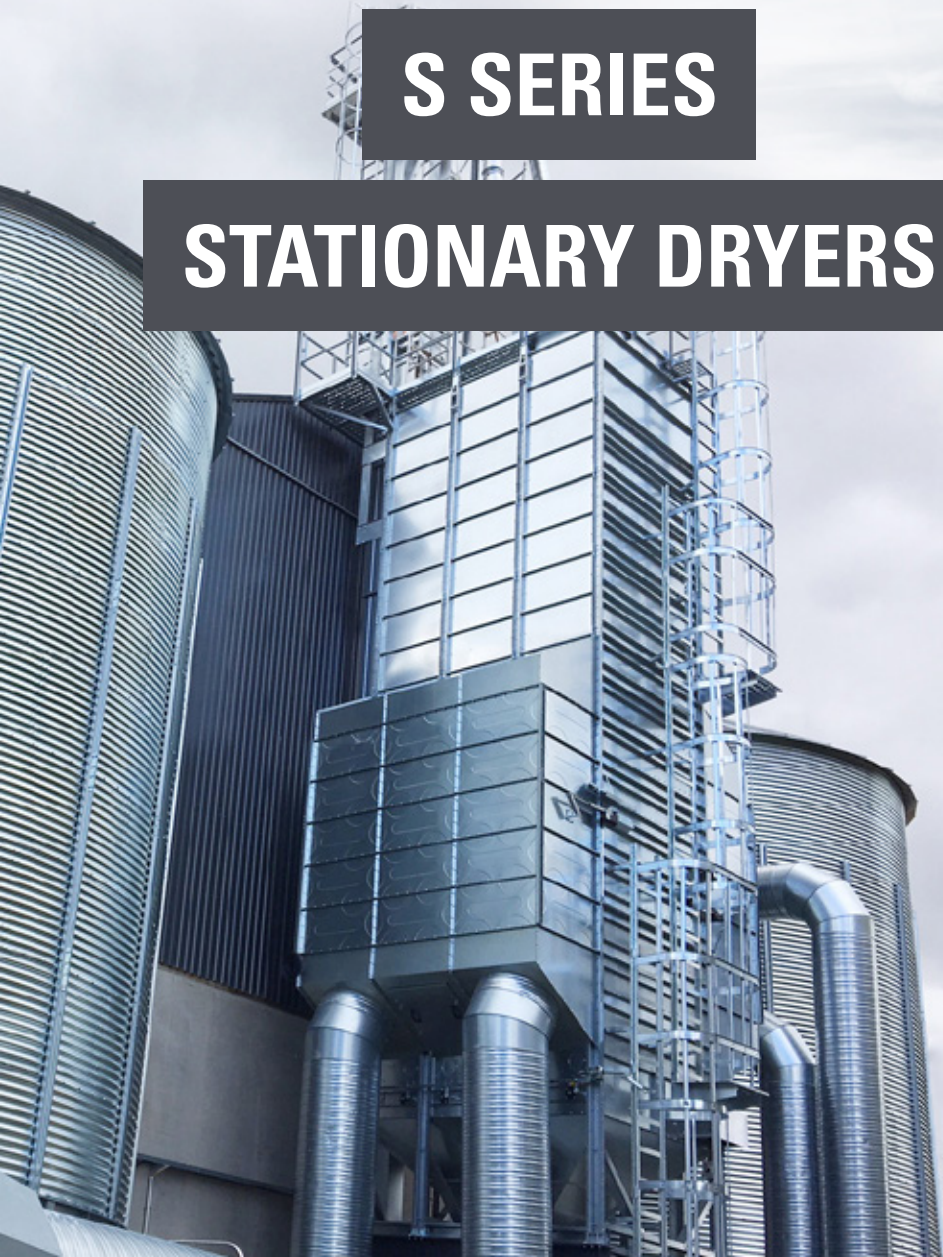




S SERIES

STATIONARY DRYERS



HIGH-QUALITY AND EFFICIENT

S SERIES STATIONARY DRYERS

OPTIONS

- Dust removal packages for the elevator
- Logic control centres, tailored according to the client's requirements
- A low base with a bottom auger for tight spaces
- Biogas and direct-fire gas furnace available as heat sources
- Heat insulation



ADVANCED DRYING TECHNOLOGY

The stationary S series dryers by Mepu dry the grain in a gentle, energy-efficient, and reliable manner even under challenging circumstances. Grain batch humidity has no effect on the outcome, since the grain is dried by circulating it through drying cells and equalizing the grain humidity in the top bin for so many times that the entire grain batch is fully dry.

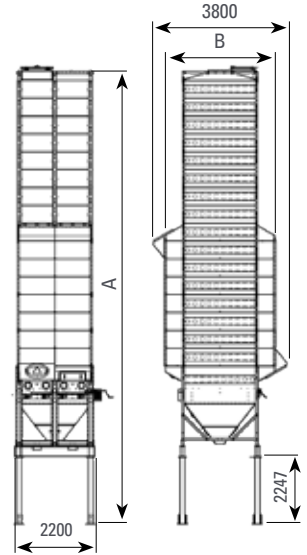
S series dryers are based on the same high-quality technology as Mepu's high-power continuous flow dryers. In addition to advanced drying technology, reliability and ease of use have been emphasized in the dryer design.



S2 MODELS

Grain volume calculated with wheat, 18% moisture content. When drying from high moisture levels grain expands › maximum filling volume is lower.

	m ³	ft ³
Feed device volume	31,8	0,9
Lowest cell volume	53,0	1,5
Drying cell volume (height 0,5m)	120,1	3,4
Buffer section volume (height 0,5m)	67,1	1,9
Cover volume	17,7	0,5



Model		S2-15		S2-19		S2-22		S2-26		S2-29	
Equipment height A *	m ft	8,7	28,5	9,7	31,8	10,7	35,1	11,7	38,4	12,7	41,7
Equipment height A **	m ft	7,1	23,3	8,1	26,6	9,1	29,9	10,1	33,1	11,1	36,4
Equipment width B	m ft	3,8	12,5	3,8	12,5	3,8	12,5	3,8	12,5	3,8	12,5
Grain volume	m ³ ft ³	16,8	593,2	20,7	730,9	23,8	840,4	27,7	978,1	30,8	1087,6
Drying section volume	m ³ ft ³	8,6	303,7	8,6	303,7	11,7	413,1	11,7	413,1	14,8	522,6
Buffer section volume	m ³ ft ³	8,2	289,5	12,1	427,3	12,1	427,3	16	565	16	565
Elevator	t/h bu/h	60	2202	60	2202	60	2202	60	2202	60	2202
Elevator height *	m ft	12	39,4	13	42,7	14	45,9	15	49,2	16	52,5
Elevator height **	m ft	10	32,8	11	36,1	12	39,4	13	42,7	14	45,9

Model		S2-33		S2-36		S2-40		S2-43		S2-29	
Equipment height A *	m ft	13,7	44,9	14,7	48,2	15,7	51,5	16,7	54,8	17,7	58,1
Equipment height A **	m ft	12,1	39,7	13,1	43	14,1	46,3	15,1	49,5	16,1	52,8
Equipment width B	m ft	3,8	12,5	3,8	12,5	3,8	12,5	3,8	12,5	3,8	12,5
Grain volume	m ³ ft ³	34,7	1225,3	37,8	1334,7	41	1447,7	44,1	1557,2	47,2	1666,7
Drying section volume	m ³ ft ³	14,8	522,6	18	635,6	21	741,5	24,2	854,5	27,3	964
Buffer section volume	m ³ ft ³	19,9	702,7	19,9	702,7	19,9	702,7	19,9	702,7	19,9	702,7
Elevator	t/h bu/h	60	2202	60	2202	60	2202	60	2202	60	2202
Elevator height *	m ft	17	55,8	18	59,1	19	62,3	20	65,6	21	68,9
Elevator height **	m ft	15	49,2	16	52,5	17	55,8	18	59,1	19	62,3

* High base

** Low base

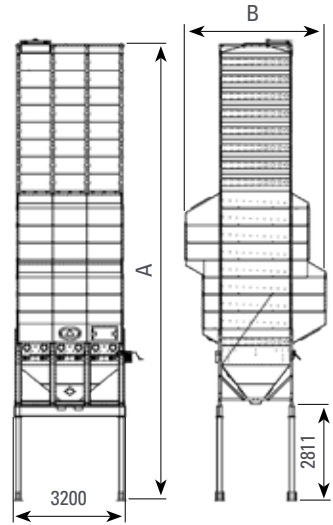
	S2-15	S2-19	S2-22	S2-26	S2-29	S2-33	S2-36	S2-40	S2-43	S2-46											
110 °C																					
*	Corn 20-15%	2,9	114	2,9	114	3,9	153,3	3,9	153,3	4,8	188,6	5,1	200,4	6	235,8	6,9	271,2	7,7	302,6	8,5	334,1
*	Corn 30-15%	1	39,3	1	39,3	1,4	55	1,4	55	1,8	70,7	1,9	74,7	2,3	90,4	2,6	102,2	3	117,9	3,4	133,6
**	Indicative back pressure	500		500		500		500		500		500		500		500		500		500	
***	Recommended air flow	15		15		21		21		27		27		33		39		45		51	
***	Min. thermal power	350		350		450		450		600		600		700		850		1000		1100	
100 °C																					
*	Wheat 18-13%	3,6	132,1	3,6	132,1	4,8	176,2	4,8	176,2	5,9	216,5	6,2	227,5	7,3	267,9	8,3	304,6	9,3	341,3	10,2	374,3
*	Wheat 23-13%	1,9	69,7	1,9	69,7	2,6	95,4	2,6	95,4	3,3	121,1	3,3	121,1	4	146,8	4,7	172,5	5,3	194,5	5,9	216,5
**	Indicative back pressure	500		500		500		500		500		500		500		500		500		500	
***	Recommended air flow	11		11		15		15		19		19		23		28		32		36	
***	Min. thermal power	200		200		300		300		400		400		450		550		650		700	
65 °C																					
*	Rapeseed 12-8%	2,2	90,6	2,2	90,6	3	123,6	3	123,6	3,8	156,6	3,9	160,7	4,7	193,6	5,4	222,5	6,1	251,3	6,8	280,2
**	Indicative back pressure	500		500		500		500		500		500		500		500		500		500	
***	Recommended air flow	5,5		5,5		7,5		7,5		10		10		12		14		16		18	
***	Min. thermal power	100		100		100		100		150		150		150		200		200		250	
65 °C																					
*	Sunflower 12-8%	2,1	144,7	2,1	144,7	2,8	192,9	2,8	192,9	3,5	241,2	3,6	248	4,3	296,3	4,9	337,6	5,5	379	6,1	420,3
**	Indicative back pressure	400		400		400		400		400		400		400		400		400		400	
***	Recommended air flow	7,5		7,5		10,5		10,5		13,5		13,5		16,5		19,5		22,5		25,5	
***	Min. thermal power	100		100		150		150		200		200		250		250		300		300	

- * Capacity calculated with recommended elevator (loading and unloading included). Cooling in dryer.
- ** Back pressure depends on grain type, grain moisture, air volume flow, furnace option, air piping, etc.
- *** Ambient temperature 10°C
- *** Ambient relative moisture 70 %

S3 MODELS

Grain volume calculated with wheat, 18% moisture content. When drying from high moisture levels grain expands › maximum filling volume is lower.

	m ³	ft ³
Feed device volume	49,4	1,4
Lowest cell volume	77,7	2,2
Drying cell volume (height 0,5m)	180,1	5,1
Buffer section volume (height 0,5m)	105,9	3,0
Cover volume	24,7	0,7



Model		S3-29		S3-34		S3-39		S3-44		S3-50	
Equipment height A *	m ft	10,2	33,5	11,2	36,7	12,2	40	13,2	43,3	14,2	46,6
Equipment height A **	m ft	8	26,2	9	29,5	10	32,8	11	36,1	12	39,4
Equipment width B	m ft	3,1	10,2	3,1	10,2	3,1	10,2	3,1	10,2	3,8	12,5
Grain volume	m ³ ft ³	31,1	1098,2	35,8	1264,1	41,6	1468,9	46,3	1634,9	52,1	1839,7
Drying section volume	m ³ ft ³	12,9	455,5	17,6	621,5	17,6	621,5	22,3	787,4	22,3	787,4
Buffer section volume	m ³ ft ³	18,2	642,7	18,2	642,7	24	847,5	24	847,5	29,8	1052,3
Elevator	t/h bu/h	80	2936	80	2936	80	2936	80	2936	80	2936
Elevator height *	m ft	14	45,9	15	49,2	16	52,5	17	55,8	18	59,1
Elevator height **	m ft	12	39,4	13	42,7	14	45,9	15	49,2	16	52,5

Model		S3-55		S3-59		S3-64		S3-69	
Equipment height A *	m ft	15,2	49,9	16,2	53,1	17,2	56,4	18,2	59,7
Equipment height A **	m ft	13	42,7	14	45,9	15	49,2	16	52,5
Equipment width B	m ft	4,1	13,5	4,1	13,5	4,1	13,5	4,1	13,5
Grain volume	m ³ ft ³	56,8	2005,6	61,4	2168,1	66,1	2 3 3 4	70,8	2 5 0 0
Drying section volume	m ³ ft ³	26,9	949,9	31,6	1115,8	36,3	1281,8	41	1447,7
Buffer section volume	m ³ ft ³	29,8	1052,3	29,8	1052,3	29,8	1052,3	29,8	1052,3
Elevator	t/h bu/h	80	2936	80	2936	80	2936	80	2936
Elevator height *	m ft	19	62,3	20	65,6	21	68,9	22	72,2
Elevator height **	m ft	17	55,8	18	59,1	19	62,3	20	65,6

* High base

** Low base

110 °C																							
	S3-29	S3-34	S3-39	S3-44	S3-50	S3-55	S3-59	S3-64	S3-69														
*	Corn 20-15%	[t / h]	[bu/h]	4,3	169	5,7	224	5,7	224	5,7	224	7,1	279	7,4	290,8	8,7	341,9	9,9	389,1	11	432,3	12,1	475,5
*	Corn 30-15%	[t / h]	[bu/h]	1,6	62,9	2,2	86,5	2,2	86,5	2,2	86,5	2,7	106,1	2,8	110	3,3	129,7	3,9	153,3	4,4	172,9	5	196,5
**	Indicative back pressure	[Pa]		500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500
***	Recommended air flow	x1000 [m³/h]		22,5	31,5	31,5	31,5	31,5	31,5	31,5	31,5	40,5	40,5	40,5	49,5	58,5	67,5	76,5	85,5	94,5	103,5	112,5	121,5
***	Min. thermal power	kW		500	700	700	700	700	700	700	700	900	900	900	1100	1300	1500	1700	1900	2100	2300	2500	2700
100 °C																							
*	Wheat 18-13%	[t / h]	[bu/h]	5,2	190,8	7	256,9	7	256,9	7	256,9	8,5	312	8,9	326,6	10,5	385,4	11,9	436,7	13,3	488,1	14,5	532,2
*	Wheat 23-13%	[t / h]	[bu/h]	2,8	102,8	3,8	139,5	3,8	139,5	4,8	176,2	4,8	176,2	4,9	179,8	5,9	216,5	6,8	249,6	7,7	282,6	8,6	315,6
**	Indicative back pressure	[Pa]		500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500
***	Recommended air flow	x1000 [m³/h]		16	22,5	22,5	22,5	22,5	22,5	29	29	29	29	29	35	42	48	55	62	69	76	83	90
***	Min. thermal power	kW		300	450	450	450	450	450	600	600	600	600	600	700	800	950	1100	1250	1400	1550	1700	1850
65 °C																							
*	Rapeseed 12-8%	[t / h]	[bu/h]	3,3	136	4,5	185,4	4,5	185,4	5,6	230,7	5,6	230,7	5,7	234,8	6,8	280,2	7,9	325,5	8,8	362,6	9,8	403,8
**	Indicative back pressure	[Pa]		500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500
***	Recommended air flow	x1000 [m³/h]		8	11,5	11,5	11,5	11,5	11,5	14,5	14,5	14,5	14,5	14,5	18	21	24	27	30	34	38	42	46
***	Min. thermal power	kW		100	150	150	150	150	150	200	200	200	200	200	250	250	300	350	400	450	500	550	600
65 °C																							
*	Sunflower 12-8%	[t / h]	[bu/h]	3	206,7	4,1	282,5	4,1	282,5	5,1	351,4	5,1	351,4	5,3	365,2	6,2	427,2	7,1	489,2	8	551,2	8,8	606,3
**	Indicative back pressure	[Pa]		400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
***	Recommended air flow	x1000 [m³/h]		11,5	16	16	16	16	16	20,5	20,5	20,5	20,5	20,5	25	30	34	38,5	43	47,5	52	56,5	
***	Min. thermal power	kW		150	200	200	200	200	200	250	250	250	250	250	300	350	400	450	500	550	600	650	700

* Capacity calculated with recommended elevator (loading and unloading included). Cooling in dryer.

** Back pressure depends on grain type, grain moisture, air volume flow, furnace option, air piping, etc.

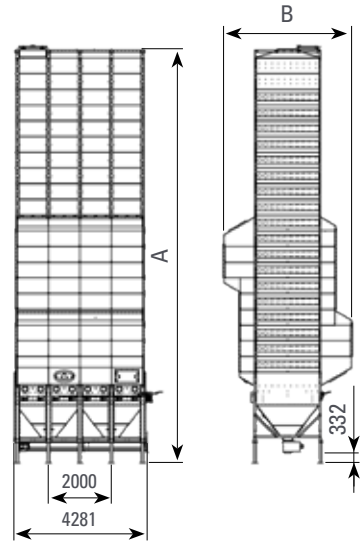
*** Ambient temperature 10°C

*** Ambient relative moisture 70 %

S4 MODELS

Grain volume calculated with wheat, 18% moisture content. When drying from high moisture levels grain expands › maximum filling volume is lower.

	m ³	ft ³
Feed device volume	63,6	1,8
Lowest cell volume	102,4	2,9
Drying cell volume (height 0,5m)	240,1	6,8
Buffer section volume (height 0,5m)	134,2	3,8
Cover volume	35,3	1,0



Model			S4-51		S4-57		S4-65		S4-71		S4-77	
Equipment height A **	m	ft	10	32,8	11	36,1	12	39,4	13	42,7	14	45,9
Equipment width B	m	ft	3,8	12,5	3,8	12,5	4,1	13,5	4,1	13,5	4,1	13,5
Grain volume	m ³	ft ³	55,4	1956,2	61,7	2178,7	69,4	2450,6	75,7	2673	81,9	2891,9
Drying section volume	m ³	ft ³	23,4	826,3	29,7	1048,7	29,7	1048,7	35,9	1267,7	42,2	1490,1
Buffer section volume	m ³	ft ³	32	1129,9	32	1129,9	39,8	1405,4	39,8	1405,4	39,8	1405,4
Elevator	t/h	bu/h	80	2936	100	3670	100	3670	100	3670	120	4404
Elevator height **	m	ft	15	49,2	16	52,5	17	55,8	18	59,1	19	62,3

Model			S4-83		S4-90		S4-96		S4-102		
Equipment height A **	m	ft	15	49,2	16	52,5	17	55,8	18	59,1	
Equipment width B	m	ft	4,1	13,5	4,1	13,5	4,1	13,5	4,1	13,5	
Grain volume	m ³	ft ³	88,2	3114,4	94,4	3333,3	100,6	3552,3	106,9	3774,7	
Drying section volume	m ³	ft ³	48,4	1709	54,6	1928	60,9	2150,4	67,1	2369,4	
Buffer section volume	m ³	ft ³	39,8	1405,4	39,8	1405,4	39,8	1405,4	39,8	1405,4	
Elevator	t/h	bu/h	120	4404	120	4404	120	4404	120	4404	
Elevator height **	m	ft	20	65,6	21	68,9	22	72,2	23	75,5	

** Low base

110 °C																					
	S4-51	S4-57	S4-65	S4-71	S4-77	S4-83	S4-90	S4-96	S4-102												
*	Corn 20-15%	[t / h]	[bu/h]	7,3	286,9	9,3	365,5	9,3	365,5	10,8	424,4	12,3	483,4	14,3	562	15,7	617	16,9	664,2	18,1	711,3
*	Corn 30-15%	[t / h]	[bu/h]	2,8	110	3,6	141,5	3,6	141,5	4,3	169	5	196,5	5,8	227,9	6,5	255,5	7,2	283	7,8	306,5
**	Indicative back pressure	[Pa]		500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500
***	Recommended air flow	x1000 [m³/h]		42	54	54	54	54	54	66	78	78	90	90	102	102	114	114	114	126	126
****	Min. thermal power	kW		900	1200	1200	1200	1200	1200	1400	1700	1700	2000	2000	2200	2200	2500	2500	2500	2700	2700
100 °C																					
*	Wheat 18-13%	[t / h]	[bu/h]	8,8	323	11,2	411	11,2	411	13	477,1	14,7	539,5	17,2	631,2	18,7	686,3	20,1	737,7	21,5	789,1
*	Wheat 23-13%	[t / h]	[bu/h]	5	183,5	6,4	234,9	6,4	234,9	7,6	278,9	8,7	319,3	10,1	370,7	11,2	411	12,2	447,7	13,2	484,4
**	Indicative back pressure	[Pa]		500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500
***	Recommended air flow	x1000 [m³/h]		30	39	39	39	39	39	47	56	56	64	64	73	73	82	82	82	90	90
****	Min. thermal power	kW		600	750	750	750	750	750	900	1100	1100	1300	1300	1400	1400	1600	1600	1600	1750	1750
65 °C																					
*	Rapeseed 12-8%	[t / h]	[bu/h]	5,7	234,8	7,3	300,8	7,3	300,8	8,7	358,4	9,9	407,9	11,6	477,9	12,7	523,2	13,9	572,7	14,9	613,9
**	Indicative back pressure	[Pa]		500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500
***	Recommended air flow	x1000 [m³/h]		15	20	20	20	20	20	25	28	28	32	32	37	37	41	41	41	45	45
****	Min. thermal power	kW		200	250	250	250	250	250	300	350	350	400	400	450	450	500	500	500	550	550
65 °C																					
*	Sunflower 12-8%	[t / h]	[bu/h]	5,2	358,3	6,7	461,6	6,7	461,6	7,9	544,3	8,9	613,2	10,4	716,6	11,4	785,5	12,4	854,4	13,3	916,4
**	Indicative back pressure	[Pa]		400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
***	Recommended air flow	x1000 [m³/h]		21	27	27	27	27	27	33	39	39	45	45	51	51	57	57	57	63	63
****	Min. thermal power	kW		250	350	350	350	350	350	400	500	500	550	550	600	600	700	700	700	750	750

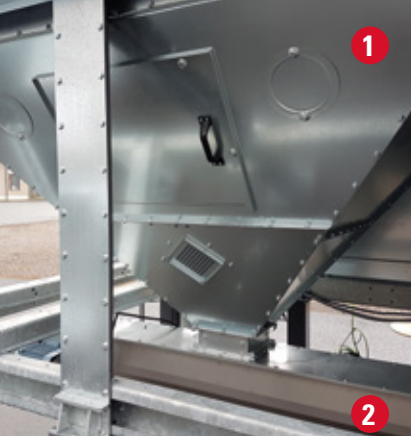
* Capacity calculated with recommended elevator (loading and unloading included). Cooling in dryer.

** Back pressure depends on grain type, grain moisture, air volume flow, furnace option, air piping, etc.

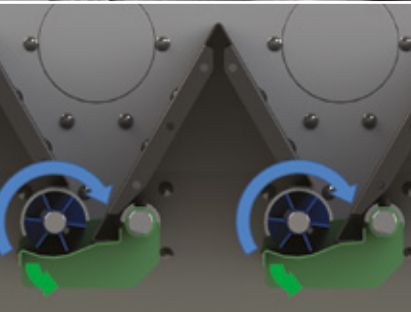
*** Ambient temperature 10°C

**** Ambient relative moisture 70 %

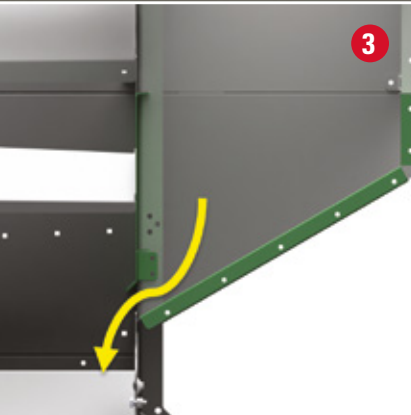
FEATURES



The steep and smooth-walled bottom through ensures that the grain falls on the bottom auger in all conditions, resulting in a carefree drying process. It's easy to clean the bottom through from the large maintenance hatch.



The rollers with adjustable speed ensure that the grain is circulated evenly in all conditions and with all grain types. The continuous adjustment / opening mechanism of the bottom hatches enables uncrushed grain to be fed to the apparatus, with different grain types. The feeding apparatus can be cleaned easily, using the maintenance hatches located on the sides, and through the bottom hatches that can be opened.



The internal surface of air ducts is smooth, so that grain does not become stuck on the surfaces, and the maintenance need is low. The optimized surface area of the air ducts ensures that the drying result is energy-efficient. Large maintenance hatches enable maintenance works to be performed quickly and easily. Any grain that has been blown to the air chambers will be returned from both sides, back to the feeding apparatus, thus reducing the cleaning need of the air chambers.



The durable and smooth-surfaced grain bin ensures that grain flows into the drying cells even in wet and demanding conditions, ensuring that the drying process is trouble-free.

The almost maintenance-free, efficient and silent bucket elevator ensures that the dryer is filled and emptied quickly. The elevator can be positioned flexibly in relation to the dryer, making the positioning of the dryer easier. There's a 3-way divider at the elevator top part, which you can use to change the grain flow to the dryer or away from it.

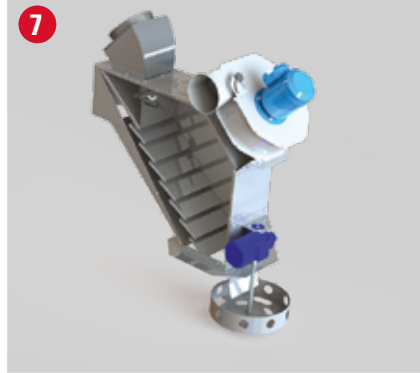
The mixed-flow drying cells ensure that the air and the grain is mixed efficiently, resulting in a smooth and energy-efficient drying result. The drying cells stay clean thanks to their smooth internal surfaces, making maintenance work quick and effortless.

The pre-cleaner fitted with a spreader (S3 and S4 models) spreads the grain evenly in the grain bin, filling the grain bin efficiently, as well as cleaning the grain from any rubbish and dust.

Highly efficient centrifugal or axial fans ensure that the drying result is cost-effective.

The efficient overpressure or negative pressure furnaces ensure that the drying result is cost-efficient.

Simple and logical control panel included in the standard delivery, which makes the dryer easy to use.



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