

Sukup Tower Dryer Specifications

	U1012	U1212	U1512	U1812	U2012	U2412
Bu/Hr. 20% - 15%*	1000	1200	1500	1800	2000	2400
Bu/Hr. 25%-15%*	600	720	900	1080	1200	1440
Heat Holding Bu.	615	737	915	1113	1275	1521
Cool Holding Bu.	215	288	305	400	434	481
Total Holding Bu.	1299	1494	1689	1982	2178	2471
Drying Airflow (CFM)	48,000	62,300	77,800	85,600	94,600	110,300
Burner Cap. (BTUx1000)	11,000	13,457	16,805	18,490	20,434	23,825
Ave. Heat (BTUx1000)	6500	7738	9663	10,632	11,749	13,699
Blower HP	50 hp Axial	60	75	75	100	100
AC Drive Metering HP	3/4	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
Grain Column	12.75"	12.75"	12.75"	12.75"	12.75"	12.75"
Tower Diameter	12'0"	12'0"	12'0"	12'0"	12'0"	12'0"
Overall Height	48'	54'	61'	71'	78'	88'

	U2518	U3018	U3518	U4018	U4718	U5024	U6024	U7024
Bu/Hr. 20% - 15%*	2500	3000	3500	4000	4700	5000	6000	7000
Bu/Hr. 25%-15%*	1500	1800	2100	2400	2820	3000	3600	4200
Heat Holding Bu.	1472	1925	2208	2642	2941	3469	4026	4436
Cool Holding Bu.	642	642	812	831	1136	1238	1295	1499
Total Holding Bu.	3090	3543	3996	4449	5053	6336	6950	7564
Drying Airflow (CFM)	128,550	148,200	174,300	206,400	226,200	275,100	296,100	343,500
Burner Cap. (BTUx1000)	27,767	32,011	37,649	44,582	48,859	59,422	63,958	74,196
Ave. Heat (BTUx1000)	15,966	18,406	21,648	25,635	28,094	34,167	36,776	42,663
Blower HP	(3) 40	(3) 50	(3) 60	(3) 75	(3) 75	(3) 100	(3) 100	(3) 125
AC Drive Metering HP	2	2	2	2	2	3	3	3
Grain Column	12.75"	12.75"	12.75"	12.75"	12.75"	12.75"	12.75"	12.75"
Tower Diameter	18'0"	18'0"	18'0"	18'0"	18'0"	24'0"	24'0"	24'0"
Overall Height	68'	78'	88'	98'	111'	100'	110'	120'

Sukup Manufacturing Co provides this information to assist you in choosing the optimal equipment for your situation. Many factors, such as grain variety, maturity levels, grain cleanliness, weather conditions and operation/management, can affect the performance of your tower dryer and results may vary. This information is calculated and is not a guarantee of product specifications or performance. Based on these factors, Sukup specifications should only be used as estimates, and not as a warranty, express or implied, of how a particular Sukup unit will perform under your operating conditions. Because we are continually improving Sukup products, changes may occur that may not be reflected in the specifications.

*BU/Hr (bushels per hour) listed are wet bushels, No. 2 shelled yellow corn at listed moisture content and are estimates based on drying principles, field results and/or computer simulation.

Sukup Commercial Storage Tanks

- 42' - 105' Diameters.
- 42,000 - 710,000 Bu. maximum capacity.
- Five-year warranty.
- Roofs available with 15,000 and 30,000 lb. peak load ratings.
- Rigidizing adds stiffness to Sukup roof sheets, making them easier to handle.
- Optional side draw systems available.
- Side draw system comes equipped with inner baffles, down spout and rack and pinion.



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 L1138-012009

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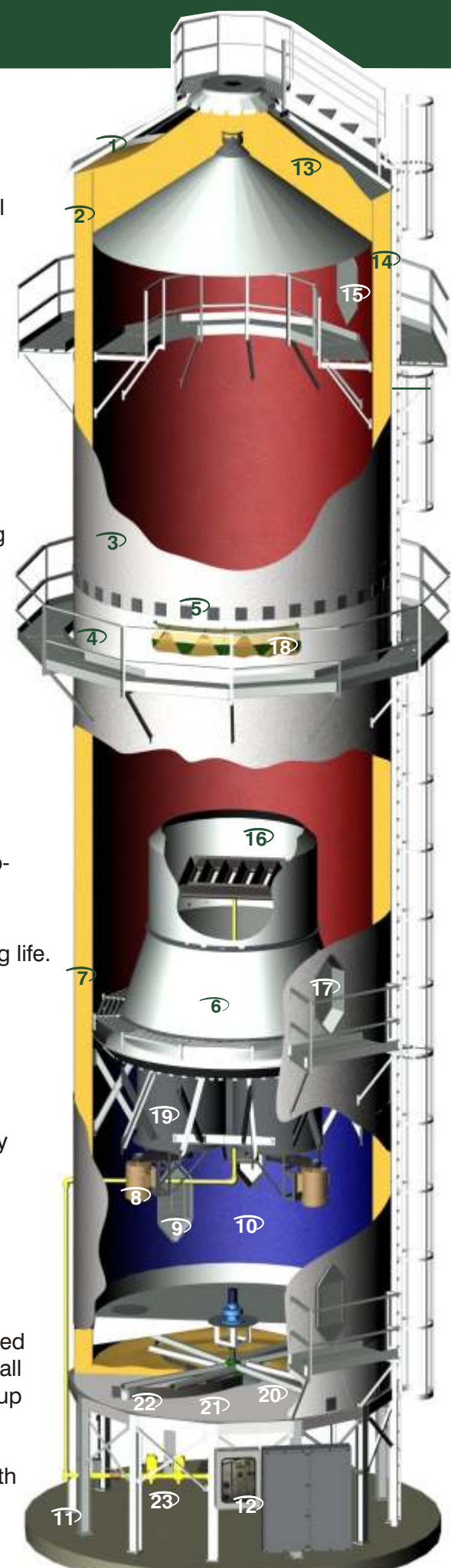


Tower Dryers

- 12', 18', 24' Diameters
- 48' - 120' Heights
- Dry 1000 - 7000 bu/hr.



- 1 Rotary sensors for choke fill or surge fill are standard.
- 2 Stainless steel outer screens, nuts and bolts resist rust and will keep your Sukup Tower Dryer looking good for years to come.
- 3 Perforated sheets allow air to move easily through the grain, yet retain the bulk of the particulate matter.
- 4 Outer sheeting in grain turner section is solid to maintain balanced heat/air distribution in the plenum and to avoid blowing large amounts of particulate matter into the atmosphere.
- 5 Two clean-out doors per panel in grain turner section allow for easy removal of debris.
- 6 Reducer cone channels the air from blower(s) evenly past the burner unit
- 7 RTD sensor monitors grain temperature to control unload speed.
- 8 Heavy-duty TEFC motors for long life.
- 9 Louvered air vents allow control of the amount of ambient air being pulled through the grain for cooling.
- 10 Heat is reclaimed from warm, dry grain to improve fuel efficiency.
- 11 Heavy-duty legs allow plenty of clearance for conveyors, monitoring equipment, etc.
- 12 Computerized controls are housed in an aluminum box and handle all dryer operations including start-up of blowers and burner, and load and unload systems. Self-diagnostics are also included with the controls.



- 13 Extra-large wet holding bin. Solid sheeting keeps grain dust and particulate matter confined within the dryer.
- 14 12 3/4" wide grain columns for longer air retention and maximum efficiency.
- 15 Entry areas at the outer platforms allow for easy cleaning without restricting air flow.
- 16 Maxon® Burners provide the heat for Sukup Tower Dryers.
- 17 Entry areas in outer screens and reducer cone allow access to the burner area for easy interior cleaning.
- 18 Grain turners move the grain from the inside of the column to the outside for more even moisture content and consistent grain temperature.*
- 19 Sukup uses In-Line Centrifugal Barry Blower® Fans to provide maximum airflow with minimum noise (Sukup axial fan on U1012).
- 20 Positive Unloading System removes grain from the dryer at a rate based on the grain temperature as it enters the cooling portion. (2 paddles std. on U1012.)
- 21 Paddles and grain table on unload system are stainless steel for long life.
- 22 Leveling wheels (patent pending) on paddles ensure consistent grain flow and maximum removal.
- 23 Gas pipe train features shut-offs with modulating burner control.

*Grain turners are not offered on U1212 or U1012 Sukup Tower Dryers.

- Handles all automatic dryer operations including start-up of blowers and burner, and load and unload systems.
- On-screen instructions guide operator through programming and set-up.
- Unload speed is adjusted automatically, based on column control temperature set by operator.
- LCD displays column temperature, discharge grain moisture and temperature, and unload speed for easy monitoring.
- Printer provides a permanent record of time, discharge moisture and temperature, column temperature, and unload speed.



- Remote monitoring and control through a Windows-based PC is standard.
- Self-diagnostic systems incorporated into control design.

Positive Discharge System

- Positive discharge system ensures steady unloading and no plugging.
- Unload rate may be computer-controlled, based on grain column temperature.
- Variable speed AC frequency drive and motor powers unload sweep.
- Gearbox requires minimal maintenance, since it maintains positive lubrication even with variable speed operation.
- Moisture sensor monitors discharged grain.
- Spout on discharge provides safe and easy way to sample grain for calibrating moisture sensor.
- Angle ring inlet and discharge allow for easy hook-up to fill and take-away equipment.

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