



Centrifugal Grain Dryers

Full Heat ■ Vacuum-Cooled ■ Single Module ■ Stacked



Vacuum Cool

Sukup Centrifugal Dryers with split plenums can be equipped to function in a pressure heat/vacuum cool mode. This model of dryer is more efficient than traditional pressure heat/pressure cool dryers because heat given off by the cooling grain is cycled back into the drying process, so less fuel is required to raise the drying air temperature.

Reliable Heat & Airflow

The airflow for Sukup Centrifugal Dryers is supplied by Sukup Dual Inlet Centrifugal Fans. Sukup has been manufacturing centrifugal fans since 1974. Their reliability and top airflow ratings have made them the leader in the market for many years. Centrifugal fans are quieter than axials and are well-suited to the static pressures involved in vacuum cooling. Heat for the dryers is provided by highly-efficient Sukup downstream heaters.



Six Distribution
Centers
To Serve You
Better

Arcola, IL 61910
980 E. State Rd.
Phone: 217-268-3026
Fax: 217-268-3522

Defiance, OH 43512
7724 Rte. 66 N.
Phone: 419-784-9871
Fax: 419-784-9872

Jonesboro, AR 72403
5917 E. Johnson Ave.
Phone: 870-932-7547
Fax: 870-933-8946

Cameron, MO 64429
7426 NE 352nd St.
Phone: 816-649-2226
Fax: 816-649-2225

Watertown, SD 57201
2701 Piper Ave.
Phone: 605-882-6697
Fax: 605-884-0467

Sukup Manufacturing Co. ■ www.sukup.com

Box 677 ■ 1555 255th St. ■ Sheffield, IA 50475-0677 ■ Phone: 641-892-4222
Fax: 641-892-4629 ■ Email: info@sukup.com



Specifications and Drying Rates

Single Plenum Models

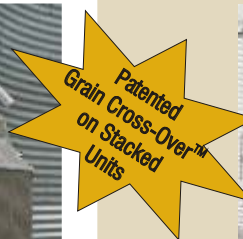
	TC16	TC20	TC24
Total grain holding cap. (approx.)	440 Bu.	550 Bu.	660 Bu.
Grain column thickness & length	14" x 16'	14" x 20'	14" x 24'
Grain column holding capacity	380 Bu.	475 Bu.	570 Bu.
BTU/Hr max. capacity	up to 6M	up to 10M	up to 10M
Dual inlet fan motor	30 hp	40 hp	50 hp
Load auger HP	3 hp	5 hp	5 hp
Unload auger HP	3 hp	5 hp	5 hp
Plenum	Single	Single	Single
Wt. w/ wheels & wet holding bin	9900	11,500	12,800
Trans. ht. w/ wet holding bin lowered	13'4"	13'4"	13'4"
Installed ht. - frame to fill hopper	14'7"	14'7"	14'7"
Overall length w/out tongue	27'	31'	35'
Overall length w/ tongue	28'6"	32'6"	36'6"
Overall width w/out wheels	8'4"	8'4"	8'4"
Overall width w/ wheels	8'9"	8'9"	8'9"
Fuel type	LP or NG	LP or NG	LP or NG
Electrical voltage	230 or 460v	230 or 460 v	230 or 460 v
Phase	3 ph	3 ph	3 ph
Estimated Drying Capacities*			
Full Heat - 25% - 15%	450 bu/hr	600 bu/hr	710 bu/hr
Full Heat 20%-15%	740 bu/hr	970 bu/hr	1025 bu/hr
Press. heat/vac. cool 25%-15%	--	--	--
Press. heat/vac. cool 20%-15%	--	--	--

2/3 - 1/3 Split Plenum

	TC163	TC203	TC243
Total grain holding cap. (approx.)	440 Bu.	550 Bu.	660 Bu.
Grain column thickness & length	14" x 16'	14" x 20'	14" x 24'
Grain column holding capacity	380 Bu.	475 Bu.	570 Bu.
BTU/Hr max. capacity	up to 6M	up to 10M	up to 10M
Dual inlet fan motor	30 hp	40 hp	50 hp
Load auger HP	3 hp	5 hp	5 hp
Unload auger HP	3 hp	5 hp	5 hp
Plenum	2/3-1/3 Split	2/3-1/3 Split	2/3-1/3 Split
Wt. w/ wheels & wet holding bin	10,000	11,600	12,900
Trans. ht. w/ wet holding bin lowered	13'4"	13'4"	13'4"
Installed ht. - frame to fill hopper	14'7"	14'7"	14'7"
Overall length w/out tongue	27'	31'	35'
Overall length w/ tongue	28'6"	32'6"	36'6"
Overall width w/out wheels	8'4"	8'4"	8'4"
Overall width w/ wheels	8'9"	8'9"	8'9"
Fuel type	LP or NG	LP or NG	LP or NG
Electrical voltage	230 or 460v	230 or 460 v	230 or 460 v
Phase	3 ph	3 ph	3 ph
Estimated Drying Capacities*			
Full Heat - 25% - 15%	450 bu/hr	600 bu/hr	710 bu/hr
Full Heat 20%-15%	740 bu/hr	970 bu/hr	1025 bu/hr
Press. heat/vac. cool 25%-15%	280 bu/hr	355 bu/hr	435 bu/hr
Press. heat/vac. cool 20%-15%	440 bu/hr	580 bu/hr	690 bu/hr

Two Module Stacked Models

	TC165	TC205	TC245
Total grain holding cap. (approx.)	850 Bu.	1050 Bu.	1250 Bu.
Grain column thickness & length	14" x 16'	14" x 20'	14" x 24'
Grain column holding capacity	760 Bu.	950 Bu.	1140 Bu.
BTU/Hr max. capacity	up to 13M	up to 16.5M	up to 20M
Dual inlet fan motor	30 hp/30 hp	40 hp/40 hp	50 hp/50 hp
Load auger HP	3 hp	5 hp	5 hp
Unload auger HP	3 hp	5 hp	5 hp
Plenum	3 plenums	3 plenums	3 plenums
Wt. w/ wheels & wet holding bin	24,000	27,000	30,000
Trans. ht. w/ wet holding bin lowered	13'4"	13'4"	13'4"
Installed ht. - frame to fill hopper	29'3"	29'3"	29'3"
Overall length w/out tongue	27'	31'	35'
Overall length w/ tongue	28'6"	32'6"	36'6"
Overall width w/out wheels	8'4"	8'4"	8'4"
Overall width w/ wheels	8'9"	8'9"	8'9"
Fuel type	LP or NG	LP or NG	LP or NG
Electrical voltage	230 or 460 v	230 or 460 v	230 or 460 v
Phase	3 ph	3 ph	3 ph
Estimated Drying Capacities*			
Full Heat - 25% - 15%	1000 bu/hr	1250 bu/hr	1525 bu/hr
Full Heat 20%-15%	1600 bu/hr	2020 bu/hr	2450 bu/hr
Press. heat/vac. cool 25%-15%	680 bu/hr	860 bu/hr	1030 bu/hr
Press. heat/vac. cool 20%-15%	1080 bu/hr	1380 bu/hr	1670 bu/hr



Sukup Manufacturing Co. provides the information contained within this brochure 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 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 with the grain discharged hot at 17%, resulting in about 15% moisture after steeping and cooling, and are estimates based on drying principals, field results and computer simulation.