

**Single Centrifugal Fan/Heater Models**

Specifications	TC16	TC20	TC24	TC163	TC203	TC243
Total grain holding cap. (approx.)	11.2 MT	13.9 MT	16.8 MT	11.2 MT	13.9 MT	16.8 MT
Grain column thickness & length	35.5cm x 4.9m	35.5cm x 6.1m	35.5cm x 7.3m	35.5cm x 4.9m	35.5cm x 6.1m	35.5cm x 7.3m
Grain column holding capacity	9.7 MT	12.1 MT	14.6 MT	9.7 MT	12.1 MT	14.6 MT
Kcal/Hr. normal operating	up to 1.5 M	up to 2.5 M	up to 2.5 M	up to 1.5 M	up to 2.5 M	up to 2.5 M
Fan kW (dual inlet)	22kW	30kW	37kW	22kW	30kW	37kW
Load auger HP	2.2kW	3.7kW	3.7kW	2.2kW	3.7kW	3.7kW
Unload auger HP	2.2kW	3.7kW	3.7kW	2.2kW	3.7kW	3.7kW
Plenum	Single	Single	Single	2/3 - 1/3	2/3 - 1/3	2/3 - 1/3
Transport height**	4.06m	4.06m	4.06m	4.06m	4.06m	4.06m
Installed height***	4.45m	4.45m	4.45m	4.45m	4.45m	4.45m
Installed length	8.23m	9.45m	10.67m	8.23m	9.45m	10.67m
Installed width	2.4m	2.4m	2.4m	2.4m	2.4m	2.4m
Weight w/wheels & wet holding bin	4,491kg	5,216kg	5,806kg	4,536kg	5,262kg	5,851kg
Fuel type	LP or NG	LP or NG	LP or NG	LP or NG	LP or NG	LP or NG
230v, 1ph Min./Max. Amps+	175/400	230/400	275/600	175/400	230/400	275/600
230v, 3ph Min./Max. Amps+	100/250	140/250	160/250	100/250	140/250	160/400
460v, 3ph Min./Max. Amps+	50/100	70/100	80/250	50/100	70/100	80/250
575v, 3ph Min./Max. Amps+	40/100	56/100	65/100	43/100	56/100	65/100
<b>Est. Drying Capacities</b>	<b>Metric Tonnes/Hour*</b>					
Full Heat - 20% - 15%	up to 18.8	up to 24.6	up to 26	up to 18.8	up to 24.6	up to 26
Full Heat - 25% - 15%	up to 11.4	up to 15.2	up to 18	up to 11.4	up to 15.2	up to 18
Pressure Heat/Vacuum Cool - 20% - 15%				up to 11.2	up to 14.7	up to 17.5
Pressure Heat/Vacuum Cool - 25% - 15%				up to 7.1	up to 9	up to 11

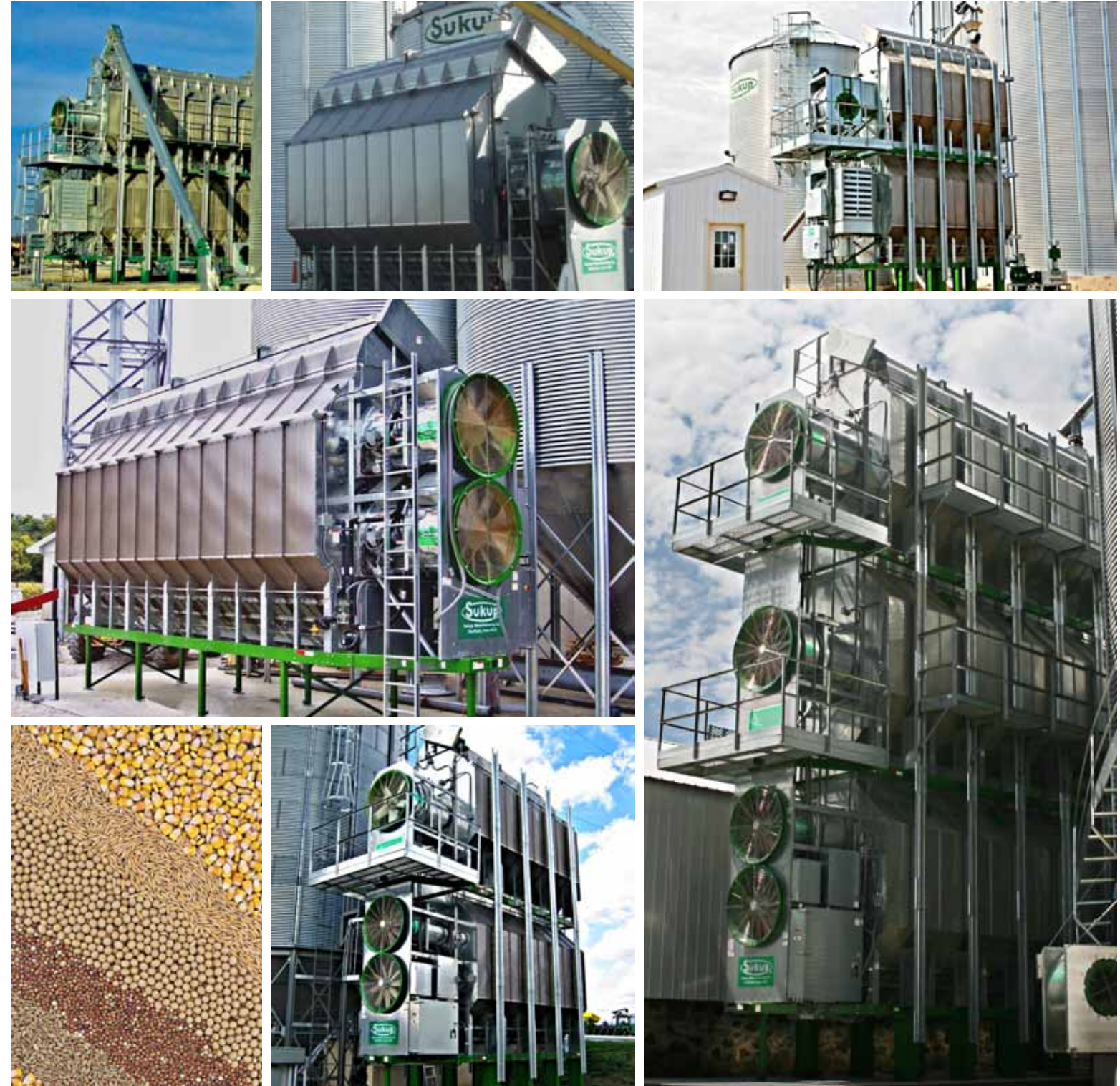
**Two Module Centrifugal & Hybrid Fan/Heater Models**

Specifications	TC165	TC165	TC205	TC245	TH165	TH165	TH205	TH245
Total grain holding cap. (approx.)	21.6 MT	21.6 MT	26.7 MT	31.8 MT	21.6 MT	21.6 MT	26.7 MT	31.8 MT
Grain column thickness & length	35.5cm x 4.9m	35.5cm x 4.9m	35.5cm x 6.1m	35.5cm x 7.3m	35.5cm x 4.9m	35.5cm x 4.9m	35.5cm x 6.1m	35.5cm x 7.3m
Grain column holding capacity	19.3 MT	19.3 MT	24.1 MT	29 MT	19.3 MT	19.3 MT	24.1 MT	29 MT
Kcal/Hr. normal operating	up to 3.3 M	up to 3.3 M	up to 4.2 M	up to 5 M	up to 3.3 M	up to 3.3 M	up to 4.2 M	up to 5 M
*Fan kW and diameter								
- top module	15kW	22kW	30kW	37kW	11kW, 112cm A	15kW, 112cm A	22kW, 112cm A	30kW, 112cm A
- bottom module	15kW	22kW	30kW	37kW	15kW C	22kW C	30kW C	37kW C
Load auger HP	2.2kW	2.2kW	3.7kW	3.7kW	2.2kW	2.2kW	3.7kW	3.7kW
Unload auger HP	2.2kW	2.2kW	3.7kW	3.7kW	2.2kW	2.2kW	3.7kW	3.7kW
Plenum								
- top module	Single	Single	Single	Single	Single	Single	Single	Single
- bottom module	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
Transport height**	4.06m	4.06m	4.06m	4.06m	4.06m	4.06m	4.06m	4.06m
Installed height***	8m	8m	8m	8m	8m	8m	8m	8m
Installed length	8.23m	8.23m	9.45m	10.67m	8.23m	8.23m	9.45m	10.67m
Installed width (less catwalks)	2.6m	2.6m	2.6m	2.6m	2.6m	2.6m	2.6m	2.6m
Weight w/wheels & wet holding bin	10,886kg	10,886kg	12,247kg	13,608kg	10,886kg	10,886kg	12,247kg	13,608kg
Fuel type	LP or NG	LP or NG	LP or NG	LP or NG	LP or NG	LP or NG	LP or NG	LP or NG
230v, 1ph Min./Max. Amps+	245/400		390/600	470/800	221/400		280/600	340/600
230v, 3ph Min./Max. Amps+		160/400	220/400	270/400		160/250	220/400	270/400
460v, 3ph Min./Max. Amps+		80/250	114/250	133/250		80/250	110/250	135/250
575v, 3ph Min./Max. Amps+		72/100	91/250	106/250		65/100	88/250	108/250
<b>Est. Drying Capacities</b>	<b>Metric Tonnes/Hour*</b>							
Full Heat - 20% - 15%	up to 40.6	up to 40.6	up to 51.3	up to 62.2	up to 40.6	up to 40.6	up to 51.3	up to 62.2
Full Heat - 25% - 15%	up to 25.4	up to 25.4	up to 31.8	up to 38.7	up to 25.4	up to 25.4	up to 31.8	up to 38.7
Press. Heat/Vac Cool - 20% - 15%	up to 27.4	up to 27.4	up to 35.1	up to 42.4	up to 27.4	up to 27.4	up to 35.1	up to 42.4
Press. Heat/Vac Cool - 25% - 15%	up to 17.3	up to 17.3	up to 21.8	up to 26.2	up to 17.3	up to 17.3	up to 21.8	up to 26.2

\*A=Axial  
C=Centrifugal

# Sukup Grain Dryers

## Metric Specifications



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 advancing Sukup products, changes may occur that may not be reflected in the specifications.

Single Axial Fan/Heater Models	Specifications	T8	T12	T16	T20	T24
	Total grain holding cap. (approx.)	5.6 MT	8.4 MT	11.2 MT	13.9 MT	16.8 MT
	Grain column thickness & length	35.5cm x 2.4m	35.5cm x 3.7m	35.5cm x 4.9m	35.5cm x 6.1m	35.5cm x 7.3m
	Grain column holding capacity	4.8 MT	7.2 MT	9.7 MT	12.1 MT	14.6 MT
	Kcal/Hr. normal operating	up to .76 M	up to 1.25 M	up to 1.5 M	up to 2.5 M	up to 2.5 M
	Fan kW & dia.	11 kW, 71cm	11kW, 96.5cm	11kW, 112cm   15kW, 112cm	22kW, 112cm	30kW, 112cm
	Load auger kW	2.2kW	2.2kW	2.2kW	3.7kW	3.7kW
	Unload auger kW	2.2kW	2.2kW	2.2kW	3.7kW	3.7kW
	Plenum	Single	Single	Single	Single	Single
	Transport height**	4.06m	4.06m	4.06m	4.06m	4.06m
Installed height***	4.45m	4.45m	4.45m	4.45m	4.45m	
Installed length	5.2m	6.4m	7.62m	8.84m	10.06m	
Installed width	2.4m	2.4m	2.4m	2.4m	2.4m	
Weight w/wheels & wet holding bin	3175kg	3719kg	4400kg	5080kg	5579kg	
Fuel Type	LP or NG	LP or NG	LP or NG	LP or NG	LP or NG	
230v, 1ph Min./Max. Amps+	122/250	122/250	122/250	195/400	260/600	
230v, 3ph Min./Max. Amps+	60/250	75/250	86/250	134/250	180/250	
460v, 3ph Min./Max. Amps+	30/100	37/100	43/100	68/100	90/250	
575v, 3ph Min./Max. Amps+	28/100	33/100	38/100	45/100	55/100	
Est. Drying Capacities		Metric Tonnes/Hour*				
	T8	T12	T16	T20	T24	
Full Heat - 20% - 15%	up to 8.6	up to 14.5	up to 16.5	up to 18.4	up to 23.5	up to 26.7
Full Heat - 25% - 15%	up to 5.3	up to 8.9	up to 10.3	up to 11.4	up to 14.6	up to 16.8

Dual Axial Fan/Heater Models	Specifications	T202	T242	T163	T203	T243	T283
	Total grain holding cap. (approx.)	13.9 MT	16.8 MT	11.2 MT	13.9 MT	16.8 MT	19.6 MT
	Grain column thickness & length	35.5cm x 6.1m	35.5cm x 7.3m	35.5cm x 4.9m	35.5cm x 6.1m	35.5cm x 7.3m	35.5cm x 8.5m
	Grain column holding capacity	12.1 MT	14.6 MT	9.7 MT	12.1 MT	14.6 MT	16.9 MT
	Kcal/Hr. normal operating	up to 2.5 M	up to 2.5 M	up to 1.5 M	up to 2.5 M	up to 2.5 M	up to 2.8 M
	Fan kW & dia. - Top plenum	11kW, 96.5cm	15kW, 96.5cm	11kW, 96.5cm	11kW, 112cm	22kW, 112cm	22kW, 112cm
	Bottom plenum	11kW, 96.5cm	15kW, 96.5cm	11kW, 71cm	11kW, 71cm	11kW, 71cm	15kW, 71cm
	Load auger kW	3.7kW	3.7kW	2.2kW	3.7kW	3.7kW	5.6kW
	Unload auger kW	3.7kW	3.7kW	2.2kW	3.7kW	3.7kW	5.6kW
	Plenum	50/50 Split	50/50 Split	2/3-1/3 Split	2/3-1/3 Split	2/3-1/3 Split	2/3-1/3 Split
Transport height**	4.06m	4.06m	4.06m	4.06m	4.06m	4.06m	
Installed height***	4.45m	4.45m	4.45m	4.45m	4.45m	4.45m	
Installed length	8.84m	10.06m	2.4m	8.84m	10.06m	11.4m	
Installed width	2.4m	2.4m	2.4m	2.4m	2.4m	2.4m	
Weight w/wheels & wet holding bin	5080kg	5761kg	4400kg	5080kg	5761kg	6641kg	
Fuel Type	LP or NG	LP or NG	LP or NG	LP or NG	LP or NG	LP or NG	
230v, 1ph Min./Max. Amps+	200/400	242/600	170/400	190/400	245/600	275/600	
230v, 3ph Min./Max. Amps+	134/250	168/250	114/250	125/250	174/250	188/400	
460v, 3ph Min./Max. Amps+	63/100	78/250	57/100	63/100	87/250	94/250	
575v, 3ph Min./Max. Amps+	48/100	60/250	42/100	46/100	62/100	69/100	
Est. Drying Capacities		Metric Tonnes/Hour*					
	T202	T242	T163	T203	T243	T283	
Full Heat - 20% - 15%	up to 25.4	up to 30	up to 18.8	up to 24.6	up to 26	up to 30.5	
Full Heat - 25% - 15%	up to 15.7	up to 18.8	up to 11.4	up to 15.2	up to 18	up to 19.7	
Heat/Cool - 20% - 15%	up to 11.9	up to 14.5	up to 11.2	up to 14.7	up to 17.5	up to 19.7	
Heat/Cool - 25% - 15%	up to 7.6	up to 8.9	up to 7.1	up to 9	up to 11	up to 12	

\*Capacities listed are wet-basis ESTIMATES based on drying principles, field results, and computer simulations at 10° C ambient tempature, 60% humidity, drying a minimum of US #2 Yellow Corn. Variations may occur due to grain kernel size, variety, maturity levels, excessive fines, adverse weather conditions, etc.  
 \*\*Transport height is with wet holding bin lowered on upper unit  
 \*\*\*Installed height is frame to fill hopper, less legs.  
 \*Min. Amps= FLA of all motors. Max. Amps = main switch size. 208v, 3ph min. amp = 230v, 3ph min. amps x 1.15. 208v max. amps are same as 230v, 3ph. A = Axial C = Centrifugal

Two Module Axial Fan/Heater Models	Specifications	T165	T165	T205	T206	T245	T246
	Total grain holding cap. (approx.)	21.6 MT	21.6 MT	26.7 MT	26.7 MT	31.8 MT	31.8 MT
	Grain column thickness & length	35.5cm x 4.9m	35.5cm x 4.9m	35.5cm x 6.1m	35.5cm x 6.1m	35.5cm x 7.3m	35.5cm x 7.3m
	Grain column holding capacity	19.3 MT	19.3 MT	24.1 MT	24.1 MT	29 MT	29 MT
	Kcal/Hr. normal operating	up to 3.3 M	up to 3.3 M	up to 4.2 M	up to 4.2 M	up to 5 M	up to 5 M
	Fan kW & diameter - top module	(1) 11kW, 112cm	(1) 15kW, 112cm	(1) 22kW, 112cm	(2) 11kW, 112cm	(1) 30kW, 112cm	(2) 15kW, 96.5cm
	- bottom module	(2) 7.5kW, 96.5cm	(2) 7.5kW, 96.5cm	(2) 11kW, 96.5cm	(2) 11kW, 96.5cm	(2) 15kW, 96.5cm	(2) 15kW, 96.5cm
	Load auger kW	2.2kW	2.2kW	3.7kW	3.7kW	3.7kW	3.7kW
	Unload auger kW	2.2kW	2.2kW	3.7kW	3.7kW	3.7kW	3.7kW
	Plenum - top module	Single	Single	Single	50/50	Single	50/50
- bottom module	50/50	50/50	50/50	50/50	50/50	50/50	
Transport height**	4.06m	4.06m	4.06m	4.06m	4.06m	4.06m	
Installed height***	8m	8m	8m	8m	8m	8m	
Installed length	7.62m	7.62m	8.84m	8.84m	10.06m	10.06m	
Installed width (less catwalks)	2.6m	2.6m	2.6m	2.6m	2.6m	2.6m	
Weight w/wheels & wet holding bin	10,886kg	10,886kg	12,247kg	12,247kg	13,608kg	13,608kg	
Fuel type	LP or NG	LP or NG	LP or NG	LP or NG	LP or NG	LP or NG	
230v, 1ph Min./Max. Amps+	238/400		293/600	436/600	317/600	436/600	
230v, 3ph Min./Max. Amps+	173/250		222/400	268/400	246/400	268/400	
460v, 3ph Min./Max. Amps+	87/250		112/250	134/250	123/250	134/250	
575v, 3ph Min./Max. Amps+	48/100		82/250	89/250	98/250	109/250	
Est. Drying Capacities		Metric Tonnes/Hour*					
Full Heat - 20% - 15%	up to 36.6	up to 40.6	up to 51.3	up to 51.3	up to 62.2	up to 62.2	
Full Heat - 25% - 15%	up to 22.9	up to 25.4	up to 31.8	up to 31.8	up to 38.7	up to 38.7	
Heat/Cool - 20% - 15%	up to 24.6	up to 27.4	up to 35.1	up to 35.1	up to 42.4	up to 42.4	
Heat/Cool - 25% - 15%	up to 15.5	up to 17.3	up to 21.8	up to 21.8	up to 26.2	up to 26.2	

Three Module Axial Fan/Heater Models	Specifications	T168	T208	T209	T248	T249
	Total grain holding cap. (approx.)	30.5 MT	38.7 MT	38.7 MT	46 MT	46 MT
	Grain column thickness & length	35.5cm x 4.9m	35.5cm x 6.1m	35.5cm x 6.1m	35.5cm x 7.3m	35.5cm x 7.3m
	Grain column holding capacity	29 MT	36.8 MT	36.8 MT	43.7 MT	43.7 MT
	Kcal/Hr. normal operating	up to 5 M	up to 6.3 M	up to 6.3 M	up to 7.6 M	up to 7.6 M
	Fan kW & diameter - top module	(1) 15kW, 112cm	(1) 22kW, 112cm	(2) 11kW, 96.5cm	(1) 30kW, 112cm	(2) 15kW, 96.5cm
	- middle module	(2) 15kW, 112cm	(1) 22kW, 112cm	(2) 11kW, 96.5cm	(1) 30kW, 112cm	(2) 15kW, 96.5cm
	- bottom module	(2) 7.5kW, 96.5cm	(2) 7.5kW, 96.5cm	(2) 11kW, 96.5cm	(2) 15kW, 96.5cm	(2) 15kW, 96.5cm
	Load auger kW	3.7kW	5.6kW	5.6kW	5.6kW	5.6kW
	Unload auger kW	3.7kW	5.6kW	5.6kW	5.6kW	5.6kW
Plenum - top module	Single	Single	50/50	Single	50/50	
- middle module	Single	Single	50/50	Single	50/50	
- bottom module	50/50	50/50	50/50	50/50	50/50	
Transport height**	4.06m	14.06m	4.06m	4.06m	4.06m	
Installed height***	11.5m	11.5m	11.5m	11.5m	11.5m	
Installed length	7.62m	8.84m	8.84m	10.06m	10.06m	
Installed width (less catwalks)	2.6m	2.6m	2.6m	2.6m	2.6m	
Weight w/wheels & wet holding bin	14,969kg	17,009kg	17,009kg	19,051kg	19,051kg	
Fuel type	LP or NG	LP or NG	LP or NG	LP or NG	LP or NG	
230v, 3ph Min./Max. Amps+	202/400	304/400	366/600	390/600	380/600	
460v, 3ph Min./Max. Amps+	101/250	152/250	183/250	195/250	190/250	
Est. Drying Capacities		Metric Tonnes/Hour*				
Full Heat - 20% - 15%	up to 60.5	up to 74.9	up to 74.9	up to 91.4	up to 91.4	
Full Heat - 25% - 15%	up to 37.5	up to 46.5	up to 46.5	up to 57.2	up to 57.2	
Heat/Cool - 20% - 15%	up to 37.1	up to 46	up to 46	up to 56.5	up to 56.5	
Heat/Cool - 25% - 15%	up to 23.2	up to 28.6	up to 28.6	up to 35.1	up to 35.1	