

SUPERB**ENERGY MISER®****SERIES DRYER SPECIFICATIONS**

Dryer Specifications

MODEL	SQ8	SQ12	SQ16	SQ20	SQ24	SQ28	SQ32	SQ36	SQ40
Total Fan HP	10	10	15	20	25	30	40	50	50
Auger Load HP	2	3	3	5	5	7.5	7.5	10	10
Chain Unload HP	2	2	2	2	2	2	2	2	2
Column Length	8' 2"	12' 3"	16' 4"	20' 5"	24' 6"	28' 7"	32' 8"	36' 9"	40' 10"
Overall Length	19'	23' 1"	27' 2"	31' 3"	36' 4"	40' 5"	44' 6"	48' 7"	52' 8"
Overall Height	14' 2"	14' 2"	14' 2"	14' 2"	14' 2"	14' 2"	14' 2"	14' 2"	14' 2"
Bushels Held	163	245	326	408	490	572	654	734	815
SQ-A/E DRYERS									
Overall Width (SQ-A Dryers)	NA	NA	10' 2"	10' 2"	10' 2"	10' 2"	10' 2"	10' 2"	10' 2"
Overall Width (SQ-E Dryers)	NA	NA	7' 9"	7' 9"	7' 9"	7' 9"	7' 9"	7' 9"	7' 9"
Burner Rating* (SQ-A, E Dryers)	NA	NA	4.3	6.6	7.5	7.9	9.5	12.6	13.4
SQ-D/M DRYERS									
Overall Width (SQ-D, M Dryers)	7' 4"	7' 4"	7' 4"	7' 4"	7' 4"	7' 4"	7' 4"	7' 4"	7' 4"
Burner Rating* (SQ-D, M Dryers)	4.4	4.8	6.3	8.5	10.9	11.9	14.4	15.9	16.5

SUPERB ENERGY MISER® SQ Series Dryers use the following model descriptions:

A – Continuous flow dryer with louvers and hot air return duct and capable of full heat, pressure heat/pressure cool drying or pressure heat/vacuum cool drying.

E – Continuous flow dryer with louvers and capable of full heat drying, pressure heat/pressure cool drying or pressure heat/vacuum cool drying.

D – Continuous flow dryer capable of full heat drying.

M – Continuous flow dryer using two temperature zones and capable of either full heat or pressure heat/pressure cool drying.

*Maximum burner capacity in million BTUs/hour

(Dryer Capacities on reverse)

SUPERB**ENERGY MISER®****SERIES DRYER CAPACITIES****Drying Capacity – Wet Bushels Per Hour**

Dryer Capacities (Drying Capacities figured on Wet Bushels per Hour)

DRYER MODELS	SQ8	SQ12	SQ16	SQ20	SQ24	SQ28	SQ32	SQ36	SQ40
Full Heat - Single Zone (Model D)									
Corn 25.5% to 15.5%	248	351	466	591	740	830	969	1066	1153
Full Heat - Single Zone (Model D)									
Corn 20.5% to 15.5%	405	579	770	976	1211	1371	1601	1761	1905
Modified Full Heat - Single Zone (Models M,E,A) (doors in divider floor)									
Corn 25.5% to 15.5%	N/A	N/A	447	567	710	796	930	1023	1107
Modified Full Heat - Single Zone (Models M,E,A) (doors in divider floor)									
Corn 20.5% to 15.5%	N/A	N/A	740	937	1163	1316	1537	1691	1830
Pressure Heat - Two-Zone (Model M)									
Corn 25.5% to 15.5%	N/A	N/A	422	535	670	751	877	965	1044
Pressure Heat - Two-Zone (Model M)									
Corn 20.5% to 15.5%	N/A	N/A	687	871	1091	1223	1428	1571	1700
Pressure Heat & Cool - Two-Zone (Models M,E,A)									
Corn 25.5% to 15.5%	N/A	N/A	261	332	416	467	542	600	647
Pressure Heat & Cool - Two-Zone (Models M,E,A)									
Corn 20.5% to 15.5%	N/A	N/A	401	508	637	714	833	916	991
Pressure Heat & Vacuum Cool - Two-Zone (Models E,A)									
Corn 25.5% to 15.5%	N/A	N/A	294	366	454	519	595	673	740
Pressure Heat & Vacuum Cool - Two-Zone (Models E,A)									
Corn 20.5% to 15.5%	N/A	N/A	435	541	654	758	879	983	1077
Pressure Heat & Vacuum Cool - Two-Zone w/ Hot Air Return Ducts (Model A)									
Corn 25.5% to 20.5%	N/A	N/A	288	358	419	499	580	657	724
Pressure Heat & Vacuum Cool - Two-Zone w/ Hot Air Return Ducts (Model A)									
Corn 20.5% to 15.5%	N/A	N/A	435	541	654	758	879	983	1077

DRYING MODES OF SQ DRYER MODELS	Models of SQ Dryers			
	D	M	E	A
Full Heat - Single Zone	X	*1	*1	*1
Modified Full Heat - Single Zone		X	X	X
Pressure Heat - Two-Zone		X	X	X
Pressure Heat & Cool - Two-Zone		X	X	X
Pressure Heat & Vacuum Cool - Two-Zone			X	X
Pressure Heat & Vacuum Cool - Two-Zone w/ Hot Air Return Ducts				X
Automatic Batch - Dry & Cool or Automatic Batch-Full Heat	X	X	X	X

*1 - Full Heat Single Zone by removing the plenum floor and hot air return ducts.

With Full Heat Drying, final moisture shown is after cooling has taken place in the bin. Discharge moisture of the grain from the dryer will be determined by the grain's temperature, steep time in the cooling bin and the CFM / Bushel of the cooling bin.

Drying capacities are the result of a combination of field tests and averages of customer-reported capacities. These capacities should be attainable in one pass with mature, unfrozen, clean grain (maximum of 2% fines) when operating the dryer at the recommended drying temperature. Drying

capacities will vary depending upon weather conditions, hybrid variety, grain maturity and cleanliness of the grain.

Capacities for two-zone full heat drying will vary based on plenum temperatures in each zone plus air flow settings and desired exit grain temperatures. Rated capacities for two-zone full heat drying are based on a maximum of 150° F. exit grain temperature from the dryer.

Operation data reports are available from the factory with projections on fuel costs and drying capacities.

**Brock Grain Systems**

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