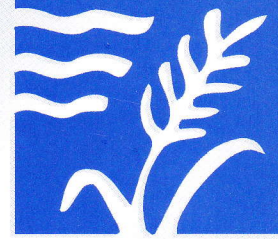
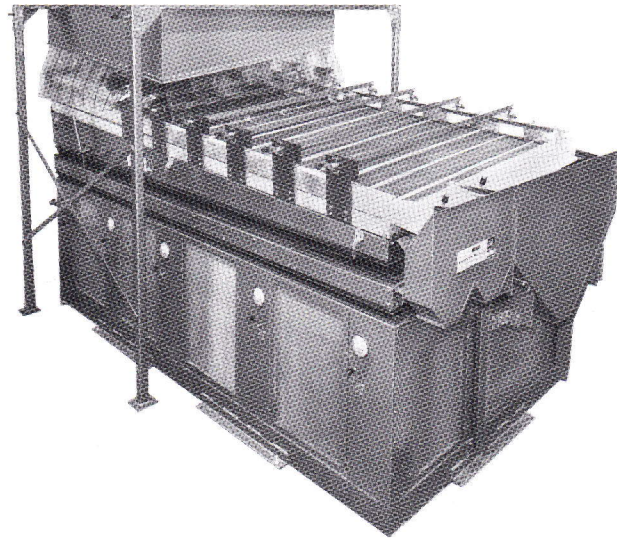


DENSITY SEPARATION EQUIPMENT

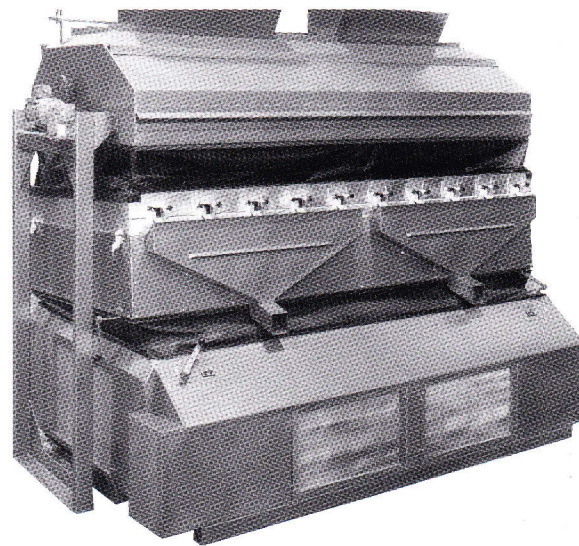


CRIPPEN



**GRAVITY
SEPARATORS**

Model G-7000 with 1/2 Hood

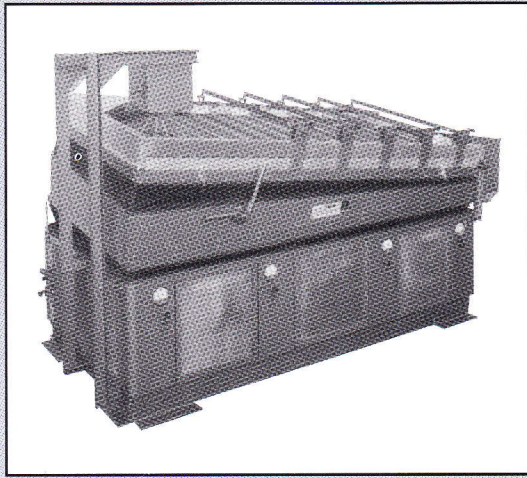


STONERS

Model S-5100 with Full Hood

CRIPPEN
CORPORATION
1000
SOUTH
MOUNTAIN
AVENUE
MOUNTAIN
VIEW, ARIZONA
85016

..... *A New Age*



GRAVITY SEPARATORS

PREMIUM QUALITY SEPARATIONS

· UNEQUALED CAPACITIES

· HEAVY DUTY CONSTRUCTION

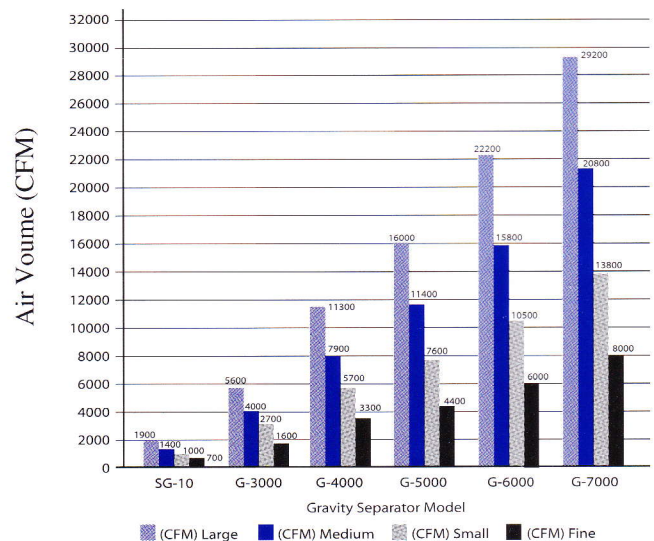
· OPERATOR FRIENDLY

CRIPPEN GRAVITY SEPARATORS are the finest available. When properly installed and operated, they will produce the world's most accurate separations.

Gravity Separators are capable of separating dry granular particles of uniform size which differ in specific gravity. They are employed throughout the seed industry to remove light undesirable seed from a wide variety of seed crops. Proper use of a CRIPPEN GRAVITY SEPARATOR will improve the overall quality of any seed lot.

Gravity Separators are also capable of producing excellent separations in a multitude of industrial applications. Whenever your product consists of dry granular, free flowing material, of uniform size and shape, our equipment can be employed to produce accurate grading relative to the specific gravity of individual particles.

Gravity Full Dust Hood Air Requirements



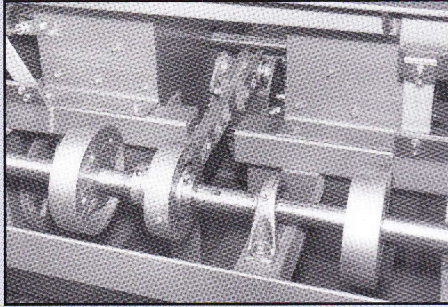
* All CFM requirements are based on 1" WG @ hood outlet
 * Air Volumes values are based on full hoods, 1/2 hoods require 1/2 of listed volumes
 * Aspirating feeders require 1500 CFM (2545 m3/hr) for all models

CAPACITIES FOR CRIPPEN GRAVITY SEPARATORS

Models	Large 7/16" - 5/16" (Corn, Beans, etc.)	Medium 1/4" - 3/16" (Cereal Grains)	Small 3/16" - 1/16" (Millet, Sesame)	Fines > 50 Mesh (Glass, Clover)
SG-10	20-25 BPH (.6 MTPH)	15-20 BPH (.5 MTPH)	5-10 BPH (.18 MTPH)	1-5 BPH (.07 MTPH)
G-3000	60-75 BPH (1.7 MTPH)	45-70 BPH (1.4 MTPH)	30-40 BPH (.8 MTPH)	20-25 BPH (.6 MTPH)
G-4000	150-200 BPH (4.4 MTPH)	135-185 BPH (4.2 MTPH)	100-125 BPH (2.8 MTPH)	50-75 BPH (1.7 MTPH)
G-5000	225-275 BPH (6.8 MTPH)	200-250 BPH (6.1 MTPH)	135-175 BPH (3.3 MTPH)	70-105 BPH (2.5 MTPH)
G-6000	350-400 BPH (9.3 MTPH)	275-385 BPH (8.8 MTPH)	175-200 BPH (4.5 MTPH)	120-160 BPH (3.6 MTPH)
G-7000	500-750 BPH (18.1 MTPH)	400-600 BPH (13.7 MTPH)	250-375 BPH (8.7 MTPH)	165-200 BPH (4.5 MTPH)

Capacity is a function of two variables, the difference in density between the contamination and good product, and the desired results. The above capacities are a sincere projection and are based on results achieved in the field. For more accurate projections, we encourage you to provide us with a typical sample of incoming product and guidelines for the quality you want to achieve.

STANDARD FEATURES

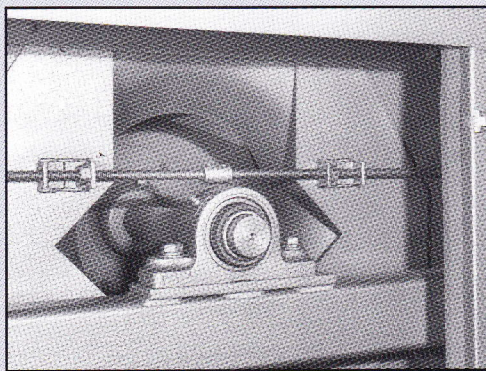
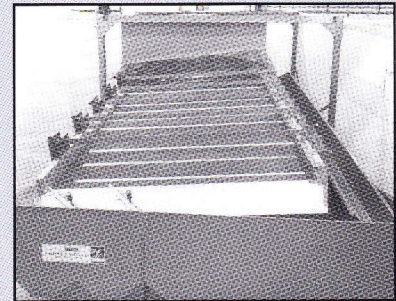


Feature: Active counter balance system and heavy duty steel frame.

Benefit: Well balanced machines produce more accurate separations, are more easily installed, and have a greater working life.

Feature: Gravity Separators utilize an aluminum rectangular deck configuration with tapered riffles and urethane coated overcover.

Benefit: This design produces the lowest percentage of "middlings" and the purest light and heavy fractions. Urethane adds traction and lasts much longer than standard steel mesh.



Feature: Backwardly inclined fans.

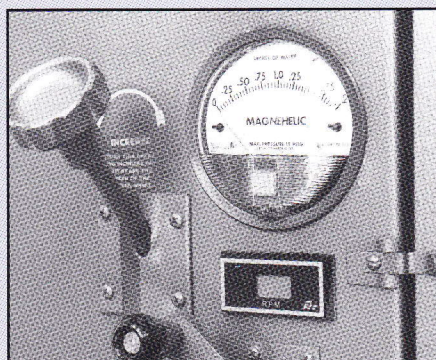
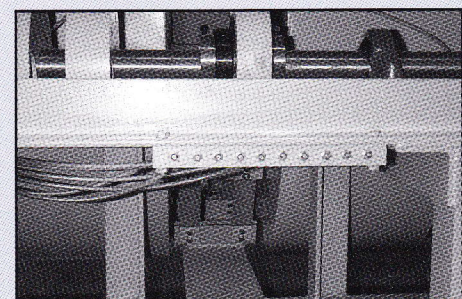
Benefit: Backwardly inclined fans produce more CFM per HP requirement at lower noise levels.

Feature: Gravity Separators have multiple independent fans with special "Iris" inlet.

Benefit: Independent fans supply precisely regulated amount of air flow to specific areas of the deck. The "Iris" inlet provides a more uniform air distribution.

Feature: Central grease console.

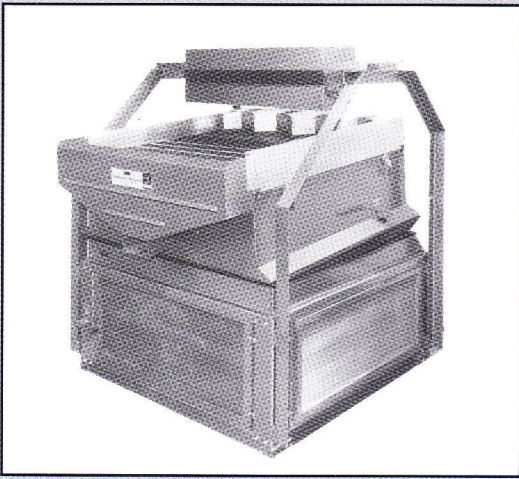
Benefit: Allows the operator to easily grease all bearings from a single location, saves time.



Feature: Tachometer for eccentric speed and individual gauges for monitoring each fan.

Benefit: Allow the operator to quickly and accurately adjust the unit and provide data for future reference.

All standard Gravity Tables and Stoners come equipped with the above features. Crippen also offers a "GZ" series specifically designed for customers who want an economical solution to their density separation equipment needs. The "GZ" units are equipped with a carbon steel overcover, active counter balance system, and do not include an indicator package.



STONERS

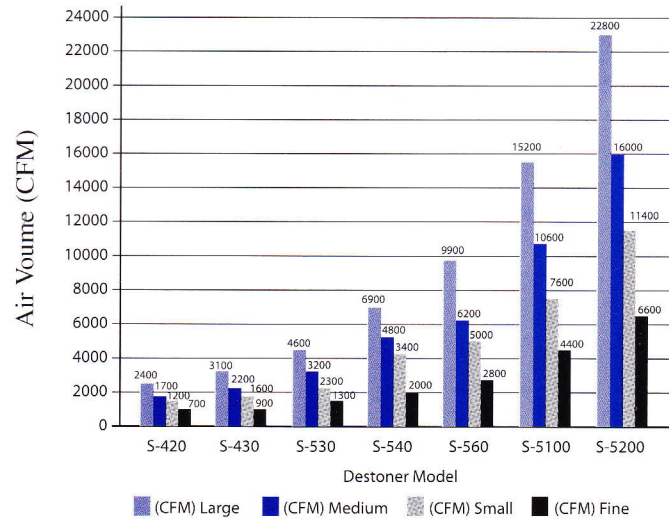
- PREMIUM QUALITY SEPARATIONS
- UNEQUALED CAPACITIES
- HEAVY DUTY CONSTRUCTION
- OPERATOR FRIENDLY

The finest available, CRIPPEN STONERS, produce world class density separations.

Stoners are capable of separating dry granular particles of uniform size which differ in specific gravity. They are applicable whenever you wish to remove a small amount of heavy contamination from the desired product. A typical application is removing stones, mud balls, glass and tramp metal (ferrous and nonferrous) from edible beans and rice.

Stoners can also be used in a wide variety of industrial applications. Whenever your product consists of dry granular, free flowing material, of uniform size and shape, our equipment can be employed to remove any particles which have a greater specific density than the desired product.

Stoner Full Dust Hood Air Requirements



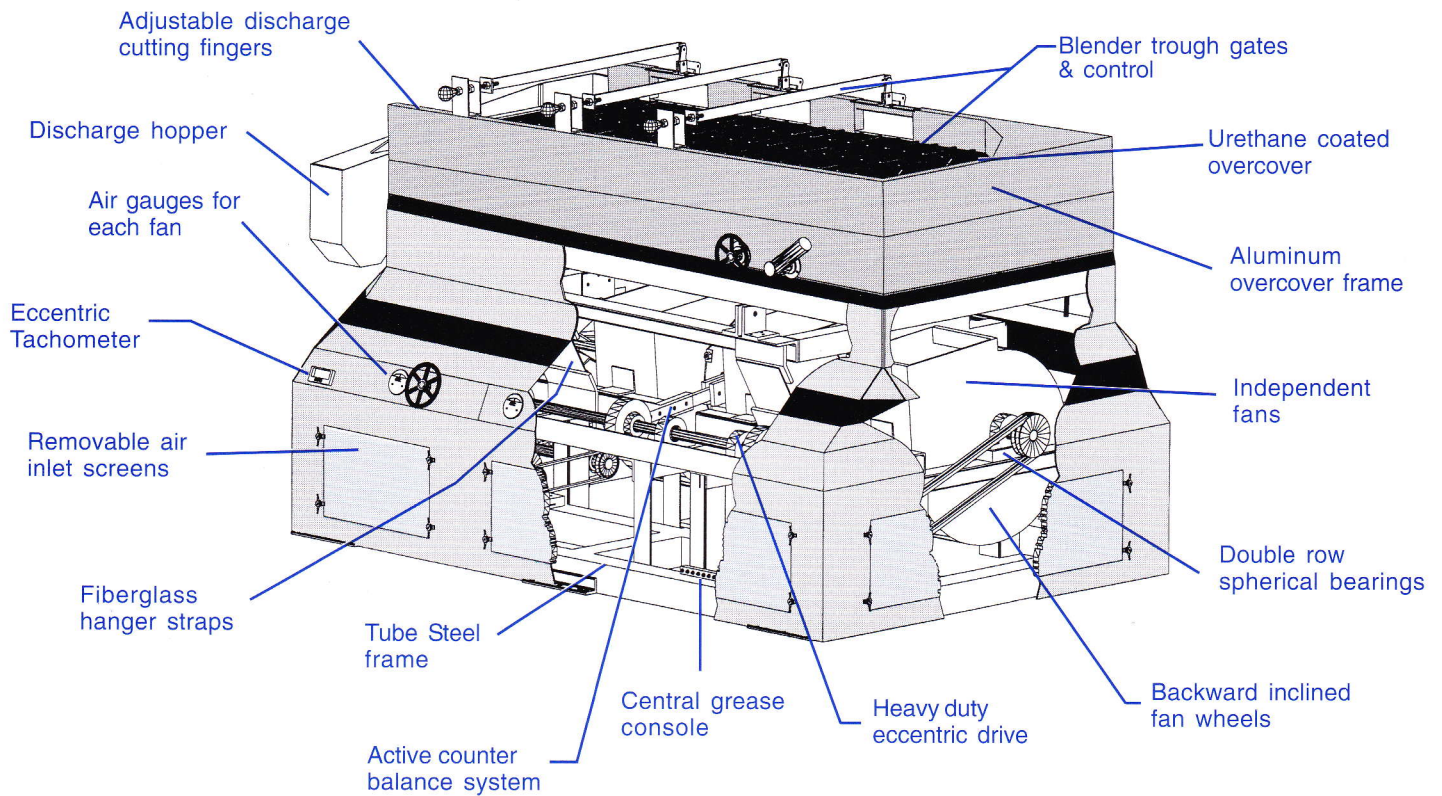
* All CFM requirements are based on 1" WG @ hood outlet

CAPACITIES FOR CRIPPEN STONERS

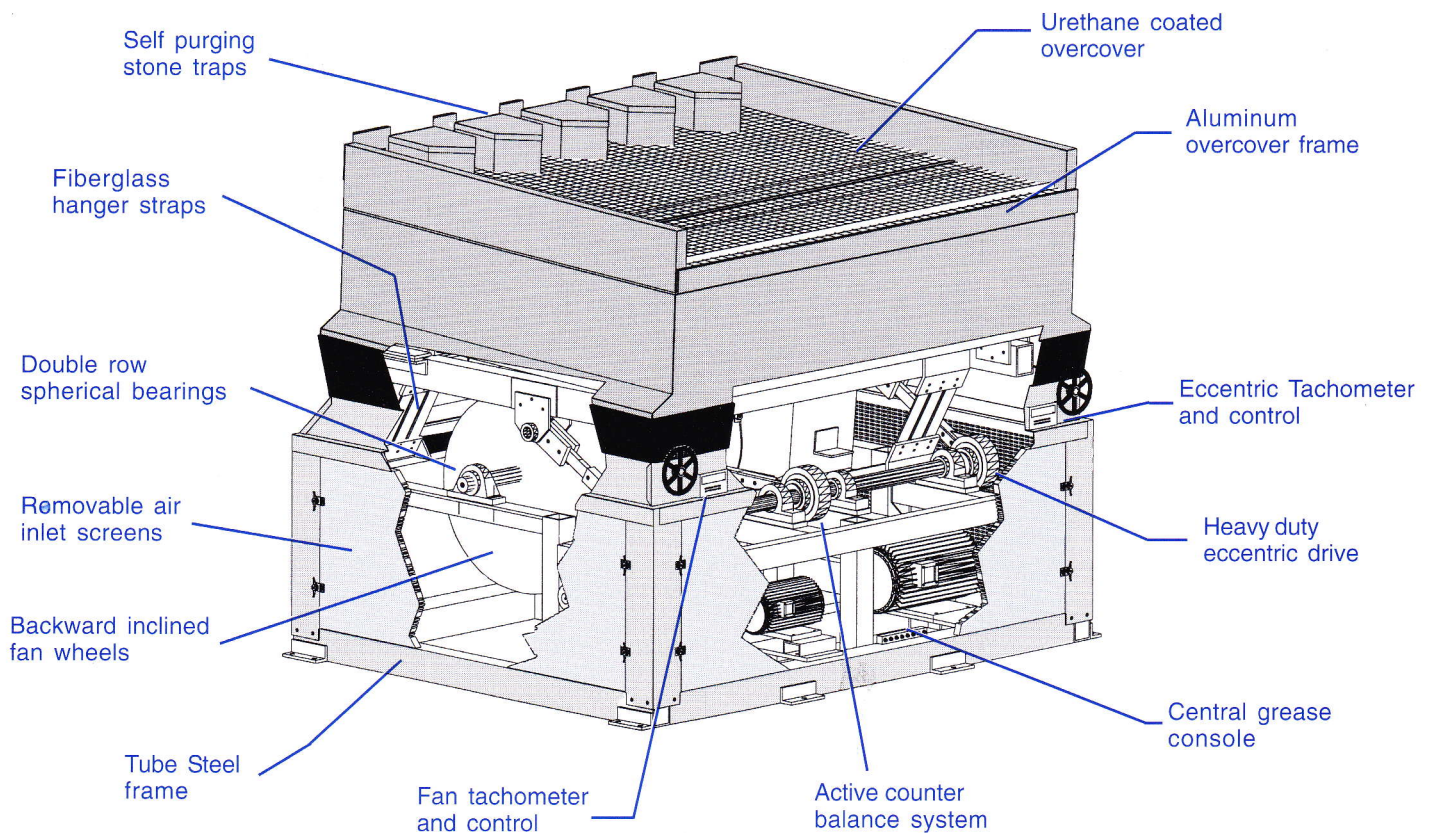
Models	Large 7/16" - 5/16" (Corn, Beans, etc.)	Medium 1/4" - 3/16" (Cereal Grains)	Small 3/16" - 1/16" (Millet, Sesame)	Fines > 50 Mesh (Glass, Clover)
SG-10	25-30 BPH (.68 MTPH)	15-25 BPH (.55 MTPH)	10-20 BPH (.3 MTPH)	5-10 BPH (.1 MTPH)
S-420	90-130 BPH (3 MTPH)	60-95 BPH (2.1 MTPH)	35-60 BPH (1.2 MTPH)	20-25 BPH (.6 MTPH)
S-430	120-175 BPH (4.1 MTPH)	85-125 BPH (3 MTPH)	50-80 BPH (1.8 MTPH)	25-30 BPH (.65 MTPH)
S-530	175-250 BPH (5.5 MTPH)	125-180 BPH (4.4 MTPH)	70-105 BPH (2.5 MTPH)	35-45 BPH (1 MTPH)
S-540	220-325 BPH (7.5 MTPH)	160-230 BPH (5.4 MTPH)	85-125 BPH (3 MTPH)	40-60 BPH (1.4 MTPH)
S-560	330-500 BPH (11.2 MTPH)	240-360 BPH (8.2 MTPH)	130-195 BPH (4.6 MTPH)	55-85 BPH (2 MTPH)
S-5100	550-850 BPH (20 MTPH)	390-610 BPH (15 MTPH)	220-335 BPH (8.2 MTPH)	100-145 BPH (3.5 MTPH)
S-5200	660-1020 BPH (23 MTPH)	470-730 BPH (14 MTPH)	265-400 BPH (9.3 MTPH)	120-175 BPH (4 MTPH)

Capacity is a function of two variables, the difference in density between the contamination and good product, and the desired results. The above capacities are a sincere projection and are based on results achieved in the field. For more accurate projections, we encourage you to provide us with a typical sample of incoming product and guidelines for the quality you want to achieve.

GRAVITY SEPARATORS



STONERS



General Specifications

Gravity Separators

Models	SG-10 (Stoner)	SG-10 (Gravity)	G-3000	G-4000	G-5000	G-6000	G-7000
Deck Area	2.5 ft2 (.23 m2)	3.1 ft2 (.29 m2)	12.9 ft2 (1.2 m2)	27.7 ft2 (2.6 m2)	38.2 ft2 (3.6 m2)	46.6 ft2 (4.3 m2)	68.9 ft2 (6.4 m2)
Deck Width	20" (51 cm)	14" (36 cm)	30" (76 cm)	43" (109 cm)	50" (127 cm)	56" (142 cm)	68" (172 cm)
Deck Length	25" (63 cm)	32" (81 cm)	62" (157 cm)	93" (236 cm)	110" (279 cm)	120" (305 cm)	146" (371 cm)
Fan Motor	1.5 HP (1.1 kw)	1.5 HP (1.1 kw)	5 HP (4 kw)	7.5 HP (5.5 kw)	10 HP (7.5 kw)	15 HP (12 kw)	15 HP (12 kw)
Eccentric Motor	.5 HP (.35 kw)	.5 HP (.37 kw)	1 HP (.75 kw)	1.5 HP (1.1 kw)	2 HP (1.5 kw)	2 HP (1.5 kw)	3HP (2.2 kw)
Blender Motor	N/A	N/A	N/A	N/A	N/A	N/A	1 HP (.75 kw)
Shipping weight	1400# (635 kg)	1400# (635 kg)	2500# (1140 kg)	4140# (1881 kg)	5400# (2449 kg)	6500# (2954 kg)	8300# (3775 kg)
Length	41" (104 cm)	41" (104 cm)	73" (186 cm)	109" (277 cm)	128" (325 cm)	132" (335 cm)	165" (419 cm)
Width	43" (109 cm)	43" (109 cm)	51" (130 cm)	67" (170 cm)	72" (183 cm)	74" (170 cm)	78" (198 cm)
Height	50" (127 cm)	50" (127 cm)	67" (170 cm)	74" (188 cm)	76" (193 cm)	78" (198 cm)	93" (236 cm)

Stoners

Models	S-420	S-430	S-530	S-540	S-560	S-5100	S-5200
Deck Area	8 ft2 (.74 m2)	12 ft2 (1.1 m2)	15 ft2 (1.4 m2)	22.5 ft2 (2.0 m2)	30 ft2 (2.8 m2)	50 ft2 (4.6 m2)	60 ft2 (5.6 m2)
Deck Width	27" (69 cm)	38" (97 cm)	40" (101 cm)	54" (137 cm)	72" (182 cm)	120" (304 cm)	144" (366 cm)
Deck Length	48" (122 cm)	48" (122 cm)	60" (152 cm)	60" (152 cm)	60" (152 cm)	60" (152 cm)	60" (152 cm)
Fan Motor	3 HP (2.25 kw)	5 HP (3.75 kw)	5 HP (3.75 kw)	5 HP (3.75 kw)	7.5 HP (5.7 kw)	15 HP (11.25 kw)	15 HP (11.25 kw)
Eccentric Motor	N/A	N/A	1 HP (.75 kw)	1 HP (.75 kw)	1.5 HP (1.2 kw)	2 HP (1.5 kw)	2 HP (1.5 kw)
Feed Motor	N/A	N/A	N/A	N/A	N/A	1 HP (.75 kw)	1 HP (.75 kw)
Shipping weight	1100# (500 kg)	1400# (635 kg)	2500# (1140 kg)	3050# (1386 kg)	5600# (2545 kg)	8000# (3636 kg)	9200# (4173 kg)
Length	56" (143 cm)	56" (143 cm)	63" (163 cm)	65" (165 cm)	69" (175 cm)	120" (307 cm)	150" (381 cm)
Width	39" (99 cm)	48" (121 cm)	54" (137 cm)	65" (165 cm)	83" (210 cm)	83" (210 cm)	83" (210 cm)
Height	60" (152 cm)	60" (152 cm)	76" (193 cm)	85" (215 cm)	94" (238 cm)	94" (238 cm)	96" (244 cm)