



# H. C. Davis Sons Manufacturing Co., Inc.

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## Specifications and Capacities for DAVIS Granulators

MODEL	EF-12	EF-18	EF-24	EF-36
Horsepower Required	20	30 to 40	40 to 50	50 to 60
Rotor Width x Dia.	12" x 24"	18" x 24"	24" x 24"	36" x 24"
Number of Knife Tips	12	18	24	36
Housing Thickness	3/16" plate	1/4" Plate	1/4" Plate	1/4" Plate
Rotor Shaft Dia.	1-15/16"	1-15/16"	1-15/16"	2-7/16"
Fan Size (width x Dia.)	6" x 18"	6" x 18"	8" x 24"	8" x 24"
Fan Shaft Dia.	1-1/4"	1-1/4"	1-1/2"	1-15/16"
APPROXIMATE CAPACITIES (POUNDS PER HOUR)				
Shelled Corn				
with 1/8" Screen	2,000	3,000	5,000	8,000
with 3/16" Screen	4,000	7,000	10,000	15,000
with 3/8" Screen	6,000	10,000	16,000	22,000
with 5/8" Screen	8,000	12,000	22,000	30,000
Oats, Barley & Wheat				
with 3/16" Screen	3,000	5,000	7,000	10,000
with 1/4" Screen	5,000	8,000	11,000	16,000
with 3/8" Screen	6,000	10,000	13,000	19,000
Ear Corn				
with 3/8" Screen	3,000	5,000	7,000	10,000
with 5/8" Screen	5,000	8,000	12,000	17,000
with 3/4" Screen	7,000	10,000	16,000	23,000
Flaked Alfalfa Hay				
with 3/4" Screen	N/A	5,000	6,000	10,000
with 1 1/2" Screen	N/A	7,000	10,000	15,000
with 2" Screen	N/A	8,000	12,000	18,000

**NOTE:** Condition and moisture content of grain or hay will definitely affect mill's capacity. Extremely dry grain will reduce capacity. This would occur when moisture content is below 10%. Likewise, shelled grain above 20% moisture content will reduce capacity. 20-25% moisture grain will reduce capacity 25%. With 25-30% moisture grain capacity drops 35%. Ear corn above 20% in moisture content will similarly reduce capacity. Hay in excess of 12% moisture content is extremely difficult to grind and we do not recommend the mill for grinding hay in excess of this moisture content. Hay which has been stored outside and exposed to rain, even though it has dried, will be difficult to grind and as a result will reduce capacity. If you have any questions regarding the grinding of any product, please do not hesitate to ask our opinion.