

### KEY FEATURES

- 8 models ranging from 15 to 750 hp
- Stainless steel
- No special foundation required
- Adjustable air intake port
- Heavy duty construction
- Rotor assembly dynamically balanced for smooth operation
- Large doors provide easy access for replacement or adjustment of internal parts
- Grinding plates and liners can be furnished with hardened material for extended life when grinding abrasive materials

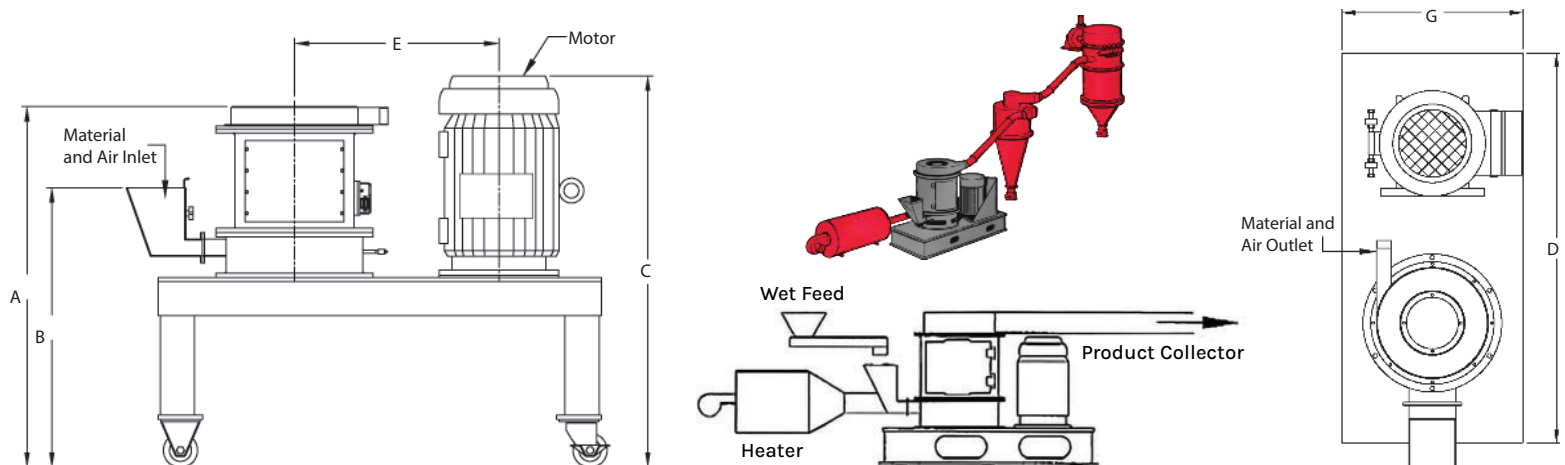
### KEY BENEFITS

- Attrition milling through particle to particle collisions enhances ability to grind less friable or abrasive materials that are difficult for a fine grinder or classifier mill
- Combines several operations such as de-agglomerating and surface coating into one system, eliminating the need for multiple material handling systems
- Ability to spin flash dry and grind in one step save on capital investment and increases process efficiency
- Ability to grind slurries and products with higher fat/ oil content

### GENERAL DIMENSIONS \*

Model	HP Mill	Nominal Airflow CFM m <sup>3</sup> /hr	A (in mm)	B (in mm)	C (in mm)	D (in mm)	E (in mm)	F (in mm)	G (in mm)
RM-1300	30	500	53	41	57	65	30	28	30
		850	1346	1041	1448	1651	762	711	762
RM-1500	30	500	45	34	47	46.5	20.5	23.5	24
		850	1143	864	1194	1181	521	597	610

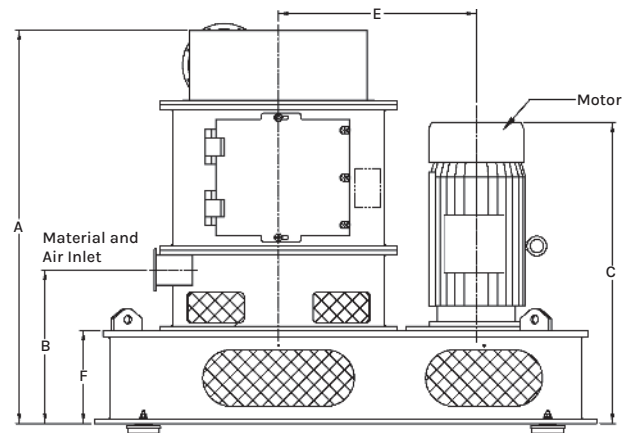
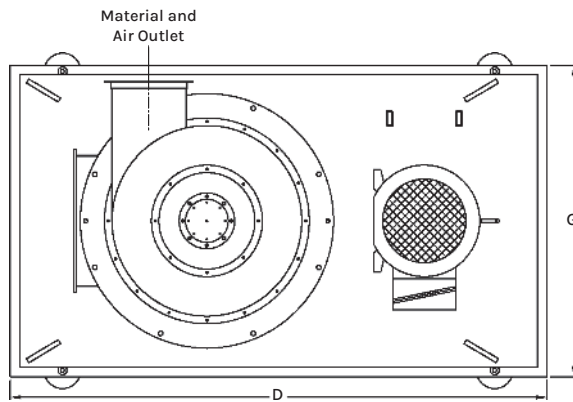
\* Do not use for engineering purposes. Please request a certified drawing for all layout or construction purposes.



# GENERAL DIMENSIONS \*

Model	HP Mill	Nominal Airflow CFM m <sup>3</sup> /hr	A (in mm)	B (in mm)	C (in mm)	D (in mm)	E (in mm)	F (in mm)	G (in mm)
RM-3000	50-200	2300 3908	57.5 1461	23 584	50.5 1283	85.5 2172	32.5 826	14.5 368	40 1016
RM-4500	100-300	6500 11044	42.5 1080	40.5 1029	69.5 1765	116 2946	47 1194	9.5 241	67 1702
RM-4800	100-300	6500 11044	100.5 2553	39 991	77.5 1969	126 3200	55.5 1410	23.5 597	68 1727
RM-6000	150-350	11000 18689	105 2667	39 991	78 1982	144 3658	36 914	23.5 597	79 2007
RM-7000	150-500	13000 22087	102.5 2604	53.5 1359	77 1956	154 3912	66 1676	23.5 597	89 2261
RM-8000	500-700	20000 33980	125 3175	43 1092	105.5 2678	170 4318	78.5 1994	26 660	95 2413

\* Do not use for engineering purposes. Please request a certified drawing for all layout or construction purposes.



## THEORY OF OPERATION

- Particles are pulverized to small sizes by inter-particle collisions induced by very high turbulence within the mill. The pulverizing action is generated by an internal rotor that spins at high speeds. Heavy-duty bearings provide stability during the pulverization process. These bearings are housed outside the grinding chamber to prevent product contamination.
- The rotor consists of two sections:
  - A Lower Section that functions as a material distribution fan
  - An Upper Section where the material is finely ground
- Grinding occurs at several stages within the upper section. A series of grinding plates accelerate the air and particles against the grooved lining of the Rotormill interior. Miniature pockets of high-velocity, turbulent air cause particle-to-particle collisions and pulverizes the material. Internal heat is absorbed by the continuous flow of air.
- Varying airflows, adjustable grinding plates, and specialty plate types allow for the processing of a wide variety of materials and sizes.
- Adding heat to the feed inlet allows for the material to flash dry during the milling process.