# ANOTHER KMI FACT SHEET

**KMI Systems current recommendation on wet ball milling, standard mill sizes, minimum horsepower, capacity and ball charge**

| MILL SIZE** | MIN H.P. | R.P.M. | CAPACITY | BALL CHARGE | HIGH DENSITY BALLS* | | |
|---|---|---|---|---|---|---|---|
| | | | | | 1-1/4" | 1-1/2" | 2" |
| 21 x 28 | 3/4 | 36.0 | 100 | 253 | 1 | 1 | 1 |
| 24 x 36 | 1-1/2 | 33.6 | 175 | 451 | 1 | 3 | 1 |
| 30 x 42 | 3 | 29.8 | 350 | 875 | 2 | 5 | 2 |
| 36 x 48 | 3 | 27.4 | 550 | 1,390 | 4 | 7 | 3 |
| 42 x 48 | 5 | 25.2 | 750 | 1,970 | 5 | 10 | 7 |
| 48 x 60 | 10 | 23.4 | 1,300 | 3,360 | 9 | 17 | 8 |
| 54 x 48 | 10 | 22.1 | 1,300 | 3,400 | 9 | 17 | 8 |
| 54 x 60 | 15 | 22.1 | 1,650 | 4,325 | 11 | 22 | 11 |
| 60 x 48 | 15 | 20.8 | 1,600 | 4,270 | 11 | 22 | 10 |
| 60 x 60 | 15 | 20.8 | 2,100 | 5,430 | 14 | 28 | 13 |
| 60 x 72 | 20 | 20.8 | 2,500 | 6,600 | 17 | 33 | 16 |
| 72 x 60 | 25 | 19.0 | 3,000 | 8,000 | 20 | 40 | 20 |
| 22 x 72 | 25 | 19.0 | 3,700 | 9,650 | 25 | 49 | 24 |
| 72 x 96 | 40 | 19.0 | 5,000 | 13,100 | 33 | 66 | 33 |
| 72 x 120 | 40 | 19.0 | 6,400 | 16,600 | 42 | 83 | 41 |
| 96 x 72 | 50 | 16.4 | 6,800 | 17,700 | 45 | 89 | 44 |
| 96 x 96 | 75 | 16.4 | 9,300 | 24,200 | 62 | 121 | 61 |
| 96 x 120 | 100 | 16.4 | 11,700 | 30,500 | 77 | 153 | 76 |

*** NOTE:** High density balls shipped 55#/bag using 50% of total ball charge for 1/2" size, 25% of total ball charge for 1-1/4" and 2" balls.
Frit charge (capacity) is based on a 26#/cubic feet of mill volume and are for a 55% ball loading.
High density ball charge is based on a 68#/cubic feet of mill volume.

****NOTE: Mill size –** 1st dimension is always the diameter.
2nd dimension is the length, and these dimensions are always inside metal to metal prior to lining.