



## Blade Operating Speeds

Diameter	Recommended Operating Speed (RPM)*	Maximum Safe Speed (RPM)**
4"	9,072	15,000
4-1/2"	8,063	13,300
5"	7,257	12,000
6"	6,048	10,185
7"	5,184	8,730
8"	4,536	7,640
9"	4,032	6,790
10"	3,629	6,115
12"	3,024	5,095
12"HS	–	6,300
14"	2,592	4,365
14"HS	–	5,460
16"HS	–	4,725
16"	2,268	3,820
18"	2,016	3,395
20"	1,814	3,055
22"	1,649	2,780
24"	1,512	2,550
26"	1,396	2,350
28"	1,296	2,185
30"	1,120	2,040
32"	1,134	1,910
36"	1,008	1,700
42"	864	1,455
48"	756	1,275

\* Based on 9,500 SFPM (Surface Feet Per Minute) – the general optimum performance range for cutting concrete and masonry products is +10%. For hard, dense materials such as stone and tile, the optimum performance speed is 10-25% less than the speeds shown above. Blade shaft speeds (RPMs at no load) for most tools will be higher than the recommended operating speeds shown above. Under normal sawing conditions, the actual blade shaft speed or the tool will slow down under load, and should fall within the optimum speed range.

\*\*This speed (RPM) represents the maximum safe speed [in revolutions per minute (RPM)] at which each blade can be used. Before using any blade, make sure the blade shaft (arbor) speed of the tool is within the "maximum safe" limit of that blade.