RPM Speed for Pulleys

Read Speed Data Chart (above) by bringing the vertical drive pulley size and the horizontal driven pulley size together for given RPM. Example: 2" drive pulley & 3" driven pulley equals 1100 RPM. Use with 1725 RPM motors. Data approximate.

DRIVE PULLEY O.D.		Driven Pulley Outside Diameter.									
		1 1/2	13/4/	2	3	4	5	6	8	10	12
	1 1/2	1725	1440	1230	785	575	455	380	280	220	185
	1 3/4	2070	1725	1475	940	690	545	450	335	265	220
	2	2410	2010	1725	1100	805	635	626	390	310	255
	3	3800	3160	2700	1725	1265	1000	825	615	485	405
	4	5180	4310	2695	2360	1725	1360	1125	935	655	550

Selecting The Right Size Slab & Trim Saw

Use the chart below for determining the size of saw you will need based on the size of rough rock you intend to work with. These recommendations are made to allow you the most efficient cutting and will offer the longest blade life. Yes, you can cut larger rocks than those specified, but the surface area of the blade will receive much greater wear. *Use measurements in diameter of rock as well as blade.

*Dia. of Rock	*Dia. of Blade	*Dia. of Rock	*Dia. of Blade
Up to 2”	6” - 8”	3” to 7”	18”
Up to 3”	10”	3” to 8”	20”
3” to 4”	12”	3” to 10”	24”
3” to 5”	14”	3” to 12”	30”
3” to 6”	16”	3” to 15”	36”

Saw Blade Speed

When slabbing stones, run the blade at a speed between 2,000 to 3,000 SURFACE FEET PER MINUTE, or use the following satisfactory revolutions per minute speeds:

BLADE SIZE	RPM
4 INCH	3000
6 INCH	2200
8 INCH	1500
10 INCH	1300
12 INCH	800
14 INCH	700
16 INCH	600
18 INCH	550
20 INCH	500
24 INCH	400
30 INCH	300
36 INCH	250